



**TOGETHER**  
*for a sustainable future*

## OCCASION

This publication has been made available to the public on the occasion of the 50<sup>th</sup> anniversary of the United Nations Industrial Development Organisation.



**TOGETHER**  
*for a sustainable future*

## DISCLAIMER

This document has been produced without formal United Nations editing. The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations Industrial Development Organization (UNIDO) concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries, or its economic system or degree of development. Designations such as “developed”, “industrialized” and “developing” are intended for statistical convenience and do not necessarily express a judgment about the stage reached by a particular country or area in the development process. Mention of firm names or commercial products does not constitute an endorsement by UNIDO.

## FAIR USE POLICY

Any part of this publication may be quoted and referenced for educational and research purposes without additional permission from UNIDO. However, those who make use of quoting and referencing this publication are requested to follow the Fair Use Policy of giving due credit to UNIDO.

## CONTACT

Please contact [publications@unido.org](mailto:publications@unido.org) for further information concerning UNIDO publications.

For more information about UNIDO, please visit us at [www.unido.org](http://www.unido.org)

A unique and comprehensive source of information, the *International Yearbook of Industrial Statistics* is the only international publication providing economists, planners, policy makers and business people with worldwide statistics on current performance and trends in the manufacturing sector.

This is the first issue of the annual publication which succeeds the UNIDO's *Handbook of Industrial Statistics* and, at the same time, replaces the United Nation's *Industrial Statistics Yearbook*, volume 1 (General Industrial Statistics). Covering more than 120 countries areas, the new version contains data which is internationally comparable and much more detailed than that supplied in previous publications. Information has been collected directly from national statistical sources and supplemented with estimates by UNIDO.

The *Yearbook* is designed to facilitate international comparisons relating to manufacturing activity and industrial performance. It provides data which can be used to analyse patterns of growth, structural change and industrial performance in individual industries. Data on employment trends, wages and other key indicators are also presented. Finally, the detailed information presented here enables the user to study different aspects of industry which was not possible using the aggregate data previously available.



**INTERNATIONAL YEARBOOK  
OF  
INDUSTRIAL STATISTICS  
1995**



**UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION  
VIENNA  
1995**

Copyright © 1995, by United Nations Industrial Development Organization (UNIDO).  
All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical or photocopying, recording, or otherwise without the prior permission of the publisher.

Published by  
Edward Elgar Publishing Limited  
Gower House  
Croft Road  
Aldershot  
Hants GU11 3HR  
England

Edward Elgar Publishing Company  
Old Post Road  
Brookfield  
Vermont 05036  
USA

---

**British Library Cataloguing in Publication Data**  
United Nations Industrial Development Org.  
International Yearbook of Industrial  
Statistics. - 1995  
I. Title  
338.0021

---

The description and classification of countries and territories in this publication and the arrangement of the material do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations Industrial Development Organization concerning the legal status of any country, territory, city or area, or of its authorities, or concerning the delimitation of its frontiers or boundaries, or regarding its economic system or degree of development. The designation "country or area" covers countries, territories, cities and areas. The designation "region, country or area" extends the preceding one by including groupings of entities designated as "country or area". Designations such as "industrialized" and "developing" countries and "newly industrialized countries" are intended for statistical convenience and do not necessarily express a judgement about the stage reached by a particular country or area in the development process.

---

ISBN 1 85898 257 X

---

Printed in Great Britain at the University Press, Cambridge

NEXT PAGE(S) left BLANK.

### Explanatory notes

Unless otherwise indicated, "manufacturing" includes the industry groups listed under major division 3 in the *International Standard Industrial Classification of All Economic Activities* [Statistical Papers, Series M, No.4/Rev.2 (United Nations publication, Sales No. E.68.XVII.8)].

International Standard Industrial Classification of All Economic Activities (ISIC) Revision 2 code numbers are accompanied by a descriptive title (for example, ISIC 323: "Manufacture of leather and products of leather, leather substitutes and fur, except footwear and wearing apparel"). For considerations of space, however, the description is sometimes shortened (that is, ISIC 323 may be described simply as "Leather and fur products").

In the presentation of several tables individual countries and areas are listed alphabetically, whenever appropriate, within two successive categories: industrialized countries and developing countries. Data relating to selected groups of countries are presented in part I. In addition to regional groupings, developing countries have been further classified into three income categories: developing countries with low income (less than \$600 per capita gross domestic product in 1978 at current prices), those with middle income (\$600-\$1,320) and those with high income (more than \$1,320). This group has also been arranged in four development categories: newly industrialized countries (NICs), second-generation NICs, least developed countries and other developing countries. NICs are defined as major exporters of manufactures among developing countries in the mid-1970s, with a share of manufactures in total merchandise exports exceeding 20 per cent. Second-generation NICs are developing countries with a high average annual growth rate (over 15 per cent during the period 1970-1985) and having manufactured exports exceeding \$500 million in value in 1985. Countries and areas included in the groups are listed in appendix I to the introduction. Because of a lack of data, some countries could not be included in their respective groups in some tables.

This publication contains some references to countries that no longer exist. The statistical indicators, however, generally cover most of the period when they *did* exist. On 3 October 1990, through accession of the German Democratic Republic to the Federal Republic of Germany, the two German States united to form one sovereign State: "Germany". The Union of Soviet Socialist Republics ceased to exist as of 24 December 1991. Data provided for Yugoslavia prior to 1 January 1992 refer to the Socialist Federal Republic of Yugoslavia, which was composed of six republics. Data provided for Yugoslavia after that date refer to the Federal Republic of Yugoslavia, which is composed of two republics (Serbia and Montenegro).

Data relating to China exclude Taiwan Province, unless otherwise stated.

References to dollars (\$) are to United States dollars. National currencies have been converted to dollar equivalents by using period average exchange rates as published in *International Financial Statistics* (International Monetary Fund publication) and other sources.

Data converted to dollars by using current exchange rates are liable to be strongly influenced by fluctuations in exchange rates. Annual variations of data converted in that manner may not reflect movements in the national data.

Unless otherwise noted, average annual growth rates are calculated from the data available for each year of a given period (for example, 1975-1985), using a semi-log regression over time. Growth rates are expressed in percentages.

Periods set off by a hyphen (for instance, 1975-1985) include the beginning and end years.

Apparent arithmetical discrepancies, such as percentages that do not add up to precise totals, result from the rounding of basic data or figures known to different degrees of precision.

To avoid ambiguity the letters "l" and "o" are not used to designate footnotes.

Three dots (...) indicate that data are not available or are not separately reported.

Two dots (..) indicate that data are not applicable.

A dash ( - ) indicates that an amount is nil or negligible.

The letter "x" designates the item applicable to a country when several options exist.

The following abbreviations and acronyms are used:

|         |  |
|---------|--|
| ASEAN   | Association of South-East Asian Nations  |
| CACM    | Central American Common Market   |
| CARICOM | Caribbean Community  |
| CEAO    | West African Economic Community  |
| CEPGL   | Economic Community of the Great Lakes Countries  |
| EC      | European Community   |
| ECOWAS  | Economic Community of West African States  |
| GDP     | gross domestic product   |
| ISIC    | International Standard Industrial Classification of All Economic Activities (Revision 2) |
| LAIA    | Latin American Integration Association   |
| LDCs    | least developed countries  |
| MARIUN  | Mano River Union   |
| MVA     | manufacturing value added  |
| n.e.c.  | not elsewhere classified   |
| n.e.s.  | not elsewhere specified  |
| NICs    | newly industrialized countries   |
| OECD    | Organisation for Economic Co-operation and Development                                   |
| OECS    | Organization of Eastern Caribbean States   |
| PTA     | Preferential Trade Area for Eastern and Southern African States                          |
| SADCC   | Southern African Development Coordination Conference                                     |
| UDEAC   | Customs and Economic Union of Central Africa   |
| UNIDO   | United Nations Industrial Development Organization                                       |
| UNSTAT  | Statistical Division of the United Nations Secretariat                                   |
| VAT     | value added tax  |

## CONTENTS

|                         |           |
|-------------------------|-----------|
| Explanatory notes ..... | Page<br>v |
| INTRODUCTION .....      | 7         |

### Appendices

|   |    |
|---|----|
| I. List of countries and areas included in selected groupings ..... | 12 |
| II. Description of data used in section 1.2 .....                   | 18 |

## PART I. SUMMARY TABLES

### SECTION 1.1. THE MANUFACTURING SECTOR

#### Table

|   |    |
|---|----|
| 1.1. Distribution of world MVA, 1975-1992 .....   | 24 |
| 1.2. Share of China in world MVA, 1981-1992 .....   | 24 |
| 1.3. Distribution of MVA and population among selected groups of developing countries, selected years ..... | 25 |
| 1.4. Annual growth of MVA, 1975-1992 .....  | 26 |
| 1.5. Share of MVA in GDP, selected years .....  | 31 |

### SECTION 1.2. THE MANUFACTURING BRANCHES

|   |    |
|---|----|
| 1.6. Distribution of world value added, selected branches and years .....                           | 38 |
| 1.7. Distribution of value added of selected branches among developing regions, 1980 and 1991 ..... | 41 |
| 1.8. Leading producers in selected branches, 1980 and 1992  |    |
| Food products (ISIC 311/2) .....  | 42 |
| Textiles (ISIC 321) .....   | 42 |
| Wearing apparel (ISIC 322) .....  | 43 |
| Leather and fur products (ISIC 323) .....   | 43 |
| Footwear (ISIC 324) .....   | 44 |
| Paper (ISIC 341) .....  | 44 |
| Industrial chemicals (ISIC 351) .....   | 45 |
| Other chemicals (ISIC 352) .....  | 45 |
| Rubber products (ISIC 355) .....  | 46 |
| Iron and steel (ISIC 371) .....   | 46 |



|   |     |
|---|-----|
| Non-ferrous metals (ISIC 372) . . . . .   | 47  |
| Metal products (ISIC 381) . . . . .   | 47  |
| Non-electrical machinery (ISIC 382) . . . . .   | 48  |
| Electrical machinery (ISIC 383) . . . . .   | 48  |
| <br>  |     |
| 1.9. Structure of MVA in selected country groups, selected years . . . . .                                    | 49  |
| <br>  |     |
| 1.10. Annual growth of value added of branches, selected country groups, 1975-1985 and<br>1985-1992 . . . . . | 53  |
| <br>  |     |
| 1.11. Share of females in total employment by branch, selected years  |     |
| Afghanistan . . . . .   | 54  |
| Australia . . . . .   | 54  |
| Austria . . . . .   | 54  |
| Bangladesh . . . . .  | 54  |
| Canada . . . . .  | 54  |
| Chile . . . . .   | 55  |
| Colombia . . . . .  | 55  |
| Cyprus . . . . .  | 55  |
| Denmark . . . . .   | 55  |
| Ethiopia . . . . .  | 55  |
| Germany, western part . . . . .   | 56  |
| Hungary . . . . .   | 56  |
| Iran (Islamic Republic of) . . . . .  | 56  |
| Iraq . . . . .  | 56  |
| Jordan . . . . .  | 56  |
| Kenya . . . . .   | 57  |
| Macau . . . . .   | 57  |
| Malaysia . . . . .  | 57  |
| Nepal . . . . .   | 57  |
| New Zealand . . . . .   | 57  |
| Panama . . . . .  | 58  |
| Republic of Korea . . . . .   | 58  |
| Sweden . . . . .  | 58  |
| Turkey . . . . .  | 58  |
| United Kingdom . . . . .  | 58  |
| <br>  |     |
| 1.12. Selected characteristics of branches, selected years and countries                                      |     |
| Food products (ISIC 311/2) . . . . .  | 59  |
| Textiles (ISIC 321) . . . . .   | 62  |
| Wearing apparel (ISIC 322) . . . . .  | 64  |
| Leather and fur products (ISIC 323) . . . . .   | 66  |
| Footwear (ISIC 324) . . . . .   | 68  |
| Wood and cork products (ISIC 331) . . . . .   | 70  |
| Furniture, fixtures excluding metallic (ISIC 332) . . . . .   | 72  |
| Paper (ISIC 341) . . . . .  | 74  |
| Printing and publishing (ISIC 342) . . . . .  | 76  |
| Industrial chemicals (ISIC 351) . . . . .   | 78  |
| Other chemicals (ISIC 352) . . . . .  | 80  |
| Rubber products (ISIC 355) . . . . .  | 82  |
| Plastic products (ISIC 356) . . . . .   | 84  |
| Pottery, china, earthenware (ISIC 361) . . . . .  | 86  |
| Glass (ISIC 362) . . . . .  | 88  |
| Other non-metallic mineral products (ISIC 369) . . . . .  | 90  |
| Iron and steel (ISIC 371) . . . . .   | 92  |
| Non-ferrous metals (ISIC 372) . . . . .   | 94  |
| Metal products (ISIC 381) . . . . .   | 96  |
| Non-electrical machinery (ISIC 382) . . . . .   | 98  |
| Electrical machinery (ISIC 383) . . . . .   | 100 |
| Transport equipment (ISIC 384) . . . . .  | 102 |

PART II. COUNTRY TABLES

|                                      |     |   |     |
|--------------------------------------|-----|---|-----|
| Afghanistan . . . . .                | 107 | Kuwait . . . . .                                    | 373 |
| Albania . . . . .                    | 113 | Kyrgyzstan . . . . .                                | 379 |
| Armenia . . . . .                    | 117 | Latvia . . . . .                                    | 383 |
| Australia . . . . .                  | 121 | Lesotho . . . . .                                   | 387 |
| Austria . . . . .                    | 127 | Macau . . . . .                                     | 389 |
| Bahamas . . . . .                    | 133 | Malaysia . . . . .                                  | 395 |
| Bangladesh . . . . .                 | 137 | Malta . . . . .                                     | 401 |
| Barbados . . . . .                   | 143 | Mauritius . . . . .                                 | 407 |
| Belgium . . . . .                    | 147 | Mexico . . . . .                                    | 413 |
| Belize . . . . .                     | 151 | Morocco . . . . .                                   | 419 |
| Bolivia . . . . .                    | 155 | Mozambique . . . . .                                | 423 |
| Botswana . . . . .                   | 159 | Nepal . . . . .                                     | 427 |
| Bulgaria . . . . .                   | 163 | Netherlands . . . . .                               | 433 |
| Burundi . . . . .                    | 167 | New Zealand . . . . .                               | 439 |
| Cameroon . . . . .                   | 171 | Norway . . . . .                                    | 445 |
| Canada . . . . .                     | 175 | Pakistan . . . . .                                  | 451 |
| Central African Republic . . . . .   | 181 | Panama . . . . .                                    | 457 |
| Chile . . . . .                      | 185 | Paraguay . . . . .                                  | 463 |
| China . . . . .                      | 191 | Peru . . . . .                                      | 467 |
| Colombia . . . . .                   | 195 | Philippines . . . . .                               | 473 |
| Costa Rica . . . . .                 | 201 | Poland . . . . .                                    | 479 |
| Côte d'Ivoire . . . . .              | 207 | Portugal . . . . .                                  | 483 |
| Croatia . . . . .                    | 211 | Puerto Rico . . . . .                               | 489 |
| Cyprus . . . . .                     | 215 | Qatar . . . . .                                     | 493 |
| Czech Republic . . . . .             | 221 | Republic of Korea . . . . .                         | 497 |
| Denmark . . . . .                    | 225 | Republic of Moldova . . . . .                       | 503 |
| Ecuador . . . . .                    | 231 | Romania . . . . .                                   | 507 |
| Egypt . . . . .                      | 237 | Russian Federation . . . . .                        | 511 |
| El Salvador . . . . .                | 243 | Saudi Arabia . . . . .                              | 515 |
| Ethiopia . . . . .                   | 247 | Senegal . . . . .                                   | 517 |
| Fiji . . . . .                       | 253 | Singapore . . . . .                                 | 521 |
| Finland . . . . .                    | 259 | Slovenia . . . . .                                  | 527 |
| France . . . . .                     | 265 | South Africa . . . . .                              | 531 |
| Germany, western part . . . . .      | 269 | Spain . . . . .                                     | 537 |
| Ghana . . . . .                      | 275 | Sri Lanka . . . . .                                 | 543 |
| Greece . . . . .                     | 281 | Suriname . . . . .                                  | 547 |
| Guatemala . . . . .                  | 287 | Swaziland . . . . .                                 | 551 |
| Honduras . . . . .                   | 293 | Sweden . . . . .                                    | 555 |
| Hong Kong . . . . .                  | 299 | Switzerland . . . . .                               | 561 |
| Hungary . . . . .                    | 305 | Syrian Arab Republic . . . . .                      | 565 |
| Iceland . . . . .                    | 309 | Thailand . . . . .                                  | 569 |
| India . . . . .                      | 315 | The former Yugoslav Republic of Macedonia . . . . . | 575 |
| Indonesia . . . . .                  | 321 | Tonga . . . . .                                     | 579 |
| Iran (Islamic Republic of) . . . . . | 327 | Trinidad and Tobago . . . . .                       | 583 |
| Iraq . . . . .                       | 333 | Turkey . . . . .                                    | 587 |
| Ireland . . . . .                    | 337 | Uganda . . . . .                                    | 593 |
| Israel . . . . .                     | 341 | Ukraine . . . . .                                   | 597 |
| Italy . . . . .                      | 345 | United Kingdom . . . . .                            | 601 |
| Jamaica . . . . .                    | 351 | United States of America . . . . .                  | 607 |
| Japan . . . . .                      | 355 | Uruguay . . . . .                                   | 613 |
| Jordan . . . . .                     | 361 | Venezuela . . . . .                                 | 619 |
| Kenya . . . . .                      | 367 | Zimbabwe . . . . .                                  | 625 |



***Industrial Statistics Branch***  
***DATA AVAILABLE IN MACHINE READABLE FORM***

UNIDO maintains data bases on industrial and commodity balance statistics, which are available on magnetic tape for mainframes or on microcomputer diskettes. New versions are published annually.

---

**UNIDO Industrial  
Statistics Data Base,  
3-Digit Level of ISIC Code**

- Time series for more than 160 countries/areas compiled on nine items, including number of establishments, number of persons engaged, number of employees, number of female employees, wages and salaries paid to employees, output, value added, gross fixed capital formation and production indices.
- Data reported by country for 28 industrial branches.
- Time series on most items starting in 1963.

---

**UNIDO Industrial  
Statistics Data Base,  
4-Digit Level of ISIC Code**

- Time series for more than 60 countries/areas compiled on seven items, including number of establishments, number of persons engaged, number of employees, number of female employees, wages and salaries paid to employees, output and value added.
- Data reported by country for up to 81 industries.
- Time series on most items for the period 1981-1992.

---

**UNIDO Commodity  
Balance Statistics  
Data Base**

- Time series for over 160 countries on production, imports, exports and apparent consumption of 123 selected manufactured products.
- Time series on all items starting in 1970.

---

*Further details on these three data bases may be obtained from:  
Industrial Statistics Branch, UNIDO, P.O. Box 300, A-1400  
Vienna, Austria. Fax 232156.*

## INTRODUCTION

This is the first issue of UNIDO's annual publication, the *International Yearbook of Industrial Statistics*. The *Yearbook* succeeds the *Handbook of Industrial Statistics* which was published biennially by UNIDO up to 1992, and, at the same time, replaces the United Nations' *Industrial Statistics Yearbook*, volume I (General Industrial Statistics), which was discontinued after its 1991 edition published in 1993. These changes are in accordance with the recommendations of the United Nations Statistical Commission at its twenty-seventh session, namely that UNIDO, in collaboration with the Organisation for Economic Co-operation and Development (OECD), assumes responsibility for the collection and dissemination of world-wide general industrial statistics, effective 1994. The present *Yearbook* pertains to the manufacturing sector only, that is, major division 3 in the ISIC.

The main purpose of the *Yearbook* is to provide statistical indicators to facilitate international comparisons relating to the manufacturing sector. The data presented were compiled bearing in mind the requirements of international comparability and the standards for this work promulgated by the United Nations. Concepts and definitions are drawn from the *International Recommendations for Industrial Statistics* [Statistical Papers, Series M, No.48/Rev.1 (United Nations publication, Sales No.E.83.XVII.8)] and the classification by industry is taken from the *International Standard Industrial Classification of All Economic Activities* [Statistical Papers, Series M, No.4/Rev.2 (United Nations publication, Sales No.E.68.XVII.8)].

The present *Yearbook* consists of two parts. Part I deals with the manufacturing sector as a whole (section 1.1) and with its branches (section 1.2). Statistical indicators are presented in terms of percentage distributions, cross-country averages, ratios and real growth rates that facilitate international comparison among selected country groups and/or countries. Data for manufacturing branches are arranged according to the ISIC at the three-digit (or major-group) level. Part II consists of a series of country/area-specific tables showing detailed data on selected basic statistics that were reported by national statistical offices and selected indicators that were derived from the reported data.

### Sources and methods

In section 1.1 of part I, manufacturing value added (MVA) was estimated in accordance with the national accounting concept, which represents the net contribution of the manufacturing sector to gross domestic product (GDP). The data on MVA

and GDP for the period 1975-1991 were compiled by the Statistical Division of the United Nations Secretariat (UNSTAT) and supplemented with estimates generated by UNIDO. The data referring to 1992 are estimates generated by UNIDO. These estimates are based on data obtained from various national and international sources including the World Bank and the International Monetary Fund. With respect to population, the information draws on the 1994 revision of the data compiled by the Population Division of the United Nations Secretariat.

The information in section 1.2 is drawn from the UNIDO General Industrial Statistics Database. A large portion of the data for the years up to 1992 maintained in the database are those communicated to the United Nations by official national sources. With regard to figures for recent years, most of those referring to the member countries of the OECD were compiled by that organization. New information is solicited through a questionnaire issued jointly by the two organizations.

To facilitate the comparability of the data over time and across countries, UNIDO has supplemented originally reported data with information obtained from various other sources. The latter include: industrial censuses, statistics supplied by national and international organizations, unpublished data collected in the field by UNIDO as well as estimates made by the UNIDO secretariat.\*

All indicators related to value data were derived at constant 1980 prices, except for several indicators presented in Tables 1.5 and 1.12.

Users should be aware that, in part I, owing to a lack of relevant data, China is normally not included in world totals. The only exception is table 1.2, where the share of China in world MVA has been estimated for recent years on the basis of data provided by UNSTAT and unpublished information.

Except for index numbers of industrial production, the information for the countries and areas other than the OECD member countries presented in part II were compiled from (i) the recent editions

---

\* UNIDO's procedures for estimation are described in "*Industrial statistics for research purposes -- methodology applied in the development and maintenance of the UNIDO Industrial Statistics Data Base*" (UNIDO/PPD.192).

(including the 1992 edition, i.e., the latest and the final edition) of the United Nations General Industrial Statistics Questionnaire and those of its Supplementary General Industrial Statistics Questionnaire completed by national statistical offices and provided to UNIDO through UNSTAT and (ii) relevant publications issued by national statistical offices. Information referring to OECD member countries is based on data compiled by OECD via questionnaire and incorporated in OECD's Information System on Industrial Statistics as well as in the UNIDO database. With respect to production indices, data were supplied by UNSTAT which compiles these data regularly from national sources through the quarterly United Nations Index of Industrial Production Questionnaire.

In section 1.2 of part I and in part II, the measures generally used are census output and census value added. Thus, the costs of non-industrial services are included in value added, whereas the receipts for these services are excluded from output. For a quick reference, Appendix II to this introduction provides notes on certain aspects of the data used, and it is recommended that the reader consult them when using the *Yearbook*. A detailed version appears in the individual country notes in part II, which also covers deviations from the standards applied. In general, these notes are also applicable to the estimates that supplement the officially reported data.

The co-operation of national statistical offices, OECD and UNSTAT in the provision of the information which is the basis of the current publication is gratefully acknowledged.

## PART I. SUMMARY TABLES

### Section 1.1: The manufacturing sector

Section 1.1 comprises tables 1.1 to 1.5. Table 1.1 shows the distribution of world MVA (excluding China) for various regions and groups of countries. To maintain comparability over time, composition of each group of countries was kept the same throughout the period. The only exception is the case of EC where the eastern part of Germany is excluded up to 1990.

Table 1.2 shows the share of China in world MVA for the period 1981-1992. The reader should be aware that due to variation in official exchange rates the world distribution may change considerably depending on the choice of the base year.

Table 1.3 shows the shares of selected groups of developing countries in MVA and in population of all developing countries.

Table 1.4 shows real growth rates and index numbers (1980=100) of total and per capita MVA for individual countries and areas and for selected country groups. Data referring to country groups were based on cross-country aggregates of MVA in constant 1980 US dollars.

Table 1.5 shows the percentage shares of MVA in GDP estimated both at constant 1930 prices and at current prices. The data are presented by individual countries and areas as well as by selected country groups. GDP has been calculated as the sum of value added of individual sectors. Data given for individual sectors may sum up to an amount different from data given for total GDP. The sources of this discrepancy are specific to each country and are rarely documented. With respect to the selected country groups, common country samples were taken for both indicators and for all reference years. Furthermore, the shares of MVA in GDP are aggregated at the level of the grouping by dividing the sum of MVA by the sum of GDP.

### Section 1.2: The manufacturing branches

Section 1.2 comprises tables 1.6 to 1.12. It focuses on the branches of the manufacturing sector. Branches are defined as major ISIC groups, reported in accordance with a three-digit code. The ISIC definition of manufacturing comprises 28 major groups or branches.

Table 1.6 shows the world distribution of the respective value added of selected 24 branches among selected country groups. Four branches are omitted from the table because the data are too scanty to ensure comparability between years. To derive world totals, particularly for the latest years, a number of estimates at the country level, especially for many developing countries, were generated.

Table 1.7 shows the shares of developing regions and the least developed countries in the value added of all developing countries in selected branches. Due to lack of sufficient data, estimates at the country level had to be generated to enable regional aggregation. Instead of 1992, the year 1991 has been chosen as the latest year. Nevertheless, a number of branches had to be excluded from the presentation due to data limitations.

Table 1.8 shows the world's leading producers in various industrial branches as well as the leading developing countries and areas in terms of value added. World totals exclude the countries of eastern Europe and the former USSR. As in the case of table 1.6, data for 1992 include many estimates generated for individual countries.

Table 1.9 shows the shares of individual branches in total MVA by country grouping. In the case of developing countries the data coverage is limited but still representative; it includes 70 countries and areas which in 1980 accounted for 96 per cent of the MVA of all developing countries.

Table 1.10 shows real growth rates of value added of individual branches, calculated for selected country groups. The reference periods are 1975-1985 and 1985-1992. However, due to lack of comparable data, the second period is 1985-1991 or 1985-1990 in several cases.

Table 1.11 presents the share of female employees in total employment in individual branches. For some countries, employment refers to number of persons engaged instead of number of employees (see Appendix II of the present introduction). Only a limited number of countries and areas have reported data on female employment at the branch level.

Table 1.12 shows, for individual countries and areas, basic indicators that are characteristic of the manufacturing branches. Average annual rates of growth refer to compound rates based on data for the initial and terminal years indicated. For the calculations of real growth rates of value added per employee and those of wage rates, value added estimates at constant 1980 prices were derived using production indexes while wages at constant 1980 prices were derived by deflating wages at current prices with consumer price indexes. Costs of input materials and utilities are calculated as output minus value added. Costs of labour refer to wages and salaries of employees only. Operating surplus is calculated as value added minus wages and salaries paid to employees.

Information concerning the following branches is excluded from table 1.12: beverages (ISIC 313); tobacco (ISIC 314); petroleum refineries (ISIC 353); and petroleum and coal products (ISIC 354). Production indicators (output, value added) for those four branches are highly sensitive to the valuation method (which may or may not include indirect taxes and subsidies). Because that method is not applied uniformly among countries, international comparison of the branches concerned

is not advisable. Two more branches were excluded due to lack of sufficient data, i.e., professional and scientific equipment (ISIC 385) and other manufactures (ISIC 390).

## PART II. COUNTRY TABLES

Part II comprises country/area-specific tables presenting selected industrial statistics and indicators. The basic statistics presented here are: number of establishments, number of employees (or, if not reported, number of persons engaged), wages and salaries paid to employees, output, value added, gross fixed capital formation and index numbers of industrial production. All value data are presented in current national currencies. The data on these items (except index numbers of industrial production) relate to 1985 and the latest three years for which data were reported. Index numbers of industrial production refer to the period 1984-1992. Production indices for total manufacturing were derived as weighted averages across branches employing 1980 value-added base weights.

In addition to these statistics, share of value added in output and that of wages and salaries in value added are presented. Changes in these shares as well as differences across countries may be due partly to changing operating surplus that is a major component of value added. There were several cases where reported value added was smaller than the corresponding reported wages or where value added was reported to be negative. In these instances, the two indicators are not calculated.

### Industrial classification

The classification of industrial activity set out in the tables follows the three- and four-digit levels of the ISIC, or the three-digit level if no data on four-digit groups were reported. Where information was not provided in this form, the estimates are shown in the most applicable category. Aggregates for total manufacturing (or ISIC major division 3) are included.

It should be noted that in several cases a figure presented for a 3-digit group does not agree with the sum of data given for the corresponding 4-digit categories. For most instances, these discrepancies resulted from the fact that data at the 3-digit level and the 4-digit level were collected through two separate questionnaires. As far as possible, UNIDO resolved these discrepancies with the help of available supplementary information.

### Reference unit

For most countries and areas represented, the data shown relate to the activity of "establishments" in the specified industries rather than any other type of industrial unit. In a few cases, however, the concepts of "kind-of-activity unit", "local unit" or "enterprise" are found. An "establishment" is ideally a unit which engages, under a single ownership or control, in one, or predominantly one, kind of activity at a single location; for example, workshop or factory. A "kind-of-activity unit" differs from the establishment in that there is no restriction with respect to the geographical area in which a given kind of activity is carried out by a single legal entity. A "local unit", on the other hand, comprises all activities carried on under a single ownership or control at a single location and differs from the establishment-type of unit in that there is no restriction on the range of these activities.

An "enterprise" is a legal entity possessing the right to conduct business in its own name; for example, to enter into contracts, own property, incur liability for debts, and establish bank accounts. In the eastern European countries and the former USSR, the reference unit is normally the enterprise and this is usually defined as the unit having a single administration with the right to conclude contracts, an independent production plan, an independent current bank account and a self-contained system of bookkeeping with independent balance sheets and profit-and-loss statements. Specific information on the character of the units covered in the tables for each country is set out in the corresponding country note.

### Reference period

The statistics in the tables relate, in general, to the calendar year. It should be noted, however, that in many cases where the basic reference period of the industrial inquiry is the calendar year, returns covering proximate fiscal years may be accepted for reporting purposes and the data for these years incorporated in the calendar-year aggregates without adjustment. In a few countries, fiscal years normally used for public accounting purposes have been adopted as the basic reference periods. In the case of fiscal-year coverage, the year indicated in the tables refers to the calendar year in which the major part of the fiscal year falls. In the case of fiscal years from 1 July to 30 June, the year referred to is normally the one in which the fiscal year ends.

### Concepts and definitions of the items

The United Nations standards which have been applied in preparing the tables are set out below. All values are in national currency units and are at current prices unless otherwise indicated. For each country, deviations from these concepts and definitions are described in its country note.

#### (1) Number of persons engaged and number of employees

The number of persons engaged is defined as the total number of persons who worked in or for the establishment during the reference year. However, homeworkers are excluded. The concept covers working proprietors, active business partners and unpaid family workers as well as employees. The figures reported refer normally to the average number of persons engaged during the reference year, obtained as the sum of the "average number of employees" during the year and the total number of other persons engaged measured for a single period of the year. The category "employees" is intended to include all persons engaged other than working proprietors, active business partners and unpaid family workers. In this publication, preference has been given, whenever possible, to employees over persons engaged.

#### (2) Wages and salaries

Estimates of wages and salaries include all payments in cash or in kind made to "employees" during the reference year in relation to work done for the establishment. Payments include: (a) direct wages and salaries; (b) remuneration for time not worked; (c) bonuses and gratuities; (d) housing allowances and family allowances paid directly by the employer; and (e) payments in kind. Excluded are employers' contributions on behalf of their employees paid to social security, pension and insurance schemes, as well as the benefits received by employees under these schemes and severance and termination pay.

#### (3) Output

The measure of output normally used in the tables is the census concept which covers only activities of an industrial nature. The value of census output in the case of estimates compiled on a production basis comprises: (a) the value of all products of the establishment; (b) the net change between the beginning and the end of the reference period in the value of work in progress and stocks of goods to be

shipped in the same condition as received; (c) the value of industrial work done or industrial services rendered to others; (d) the value of goods shipped in the same condition as received less the amount paid for these goods; and (e) the value of fixed assets produced during the period by the unit for its own use. In the case of estimates compiled on a shipment basis, the net change in the value of stocks of finished goods between the beginning and the end of the reference period is also included.

Gross output is equivalent to census output plus the revenue from activities of a non-industrial nature. Valuation may be in factor values, excluding all indirect taxes falling on production and including all current subsidies received in support of production activity, or in producers' prices, including all indirect taxes and excluding all subsidies.

#### **(4) Value added**

The measure of value added normally used in the tables is the census concept, which is defined as the value of census output less the value of census input. Items covered in the latter include: (a) value of materials and supplies for production (including cost of all fuel and purchased electricity); and (b) cost of industrial services received (mainly payments for contract and commission work and repair and maintenance work). If input estimates are compiled on a "received" rather than on a "consumed" basis, the result is adjusted for the net change between the beginning and the end of the period in the value of stocks of materials, fuel and other supplies.

Total value added is the national accounting concept. It is ideally represented by the contribution of the establishments in each branch of activity to the gross domestic product. For the measure of total value added, the cost of non-industrial services is deducted and the receipts for non-industrial services are added to census value added. The estimates, whether in terms of census value added or total value added, are gross of depreciation and other provisions for capital consumption, unless otherwise stated. The valuation may be in factor costs or in producers' prices, depending on the treatment of indirect taxes and subsidies.

#### **(5) Gross fixed capital formation**

Estimates refer to the value of purchases and own-account construction of fixed assets during the reference year less the value of corresponding sales. The fixed assets covered are those (whether

new or used) with a productive life of one year or more. These assets, which are intended for the use of the establishment, include fixed assets made by the establishment's own labour force for its own use. Major additions, alterations and improvements to existing assets which extend their normal economic life or raise their productivity are also included.

New fixed assets include all those that have not been previously used in the country. Thus, newly imported fixed assets are considered new whether or not used before they were imported. Used fixed assets include all those that have been previously used within the country. Transactions in fixed assets include: (a) land; (b) buildings, other construction and land improvements; (c) transport equipment; and (d) machinery and other equipment.

Assets acquired from others are valued at purchasers' prices, which cover all costs directly connected with the acquisition and installation of the items for use. In principle, assets produced on own account are also valued in this manner. However, it may frequently be necessary to value such own-account production at explicit cost, including any imputations that may be required in respect of the employed own-account labour. Assets produced by one establishment of a multi-establishment enterprise for the use of another establishment of the same enterprise should be valued by the receiving establishment as though purchased from outside the enterprise. Sales of assets should be valued at the actual amounts realized rather than at book values.

#### **(6) Index numbers of industrial production**

The indices in the tables are compiled from national indices which are calculated by use of the Laspeyres formula. The comparison base year is 1980. However, if different base years are used in any countries, the national indices are converted to the base year.



APPENDIX I  
LIST OF COUNTRIES AND AREAS INCLUDED IN SELECTED GROUPINGS

INDUSTRIALIZED COUNTRIES

DEVELOPING COUNTRIES/AREAS

East Europe and former USSR

Other western Europe

Albania  
Bulgaria  
Czechoslovakia (former)<sup>\*</sup>  
Germany, eastern part  
Hungary  
Poland  
Romania  
USSR (former)<sup>\*\*</sup>

Belgium  
Denmark  
France  
Germany, western part  
Greece  
Ireland  
Italy  
Luxembourg  
Netherlands  
Portugal  
Spain  
United Kingdom

western Europe

Austria  
Belgium  
Denmark  
Finland  
France  
Germany, western part  
Greece  
Iceland  
Ireland  
Italy  
Luxembourg  
Netherlands  
Norway  
Portugal  
Spain  
Sweden  
Switzerland  
United Kingdom

Japan

North America

Canada  
United States of America

Others

Australia  
Israel  
New Zealand  
South Africa

Algeria  
Angola  
Antigua  
Antigua and Barbuda  
Argentina  
Bahrain  
Bangladesh  
Barbados  
Belize  
Benin  
Bermuda  
Bhutan  
Bolivia  
Botswana  
Brazil  
British Virgin Islands  
Brunei Darussalam  
Burkina Faso  
Burundi  
Cambodia  
Cameroon  
Cape Verde  
Central African Republic  
Chad  
Chile  
Colombia  
Comoros  
Congo  
Costa Rica  
Cote d'Ivoire  
Cuba  
Cyprus  
Djibouti  
Dominica  
Dominican Republic  
Ecuador  
Egypt  
El Salvador  
Equatorial Guinea  
Ethiopia  
Fiji  
French Guiana  
French Polynesia  
Gabon  
Gambia  
Ghana

Grenada  
Guadeloupe  
Guatemala  
Guinea  
Guinea-Bissau  
Guyana  
Haiti  
Honduras  
Hong Kong  
India  
Indonesia  
Iran (Islamic Republic of)  
Iraq  
Jamaica  
Jordan  
Kenya  
Kuwait  
Lebanon  
Lesotho  
Liberia  
Libyan Arab Jamahiriya  
Madagascar  
Malawi  
Malaysia  
Maldives  
Mali  
Malta  
Martinique  
Mauritania  
Mauritius  
Mexico  
Mongolia  
Montserrat  
Morocco  
Mozambique  
Myanmar  
Naribia  
Nepal  
Netherlands Antilles  
New Caledonia  
Nicaragua  
Niger  
Nigeria  
Oman  
Pakistan  
Panama  
Papua New Guinea  
Paraguay  
Peru  
Philippines  
Puerto Rico  
Qatar  
Republic of Korea  
Reunion  
Rwanda  
Saint Lucia  
Samoa  
Sao Tome and Principe  
Saudi Arabia  
Senegal  
Seychelles  
Sierra Leone  
Singapore  
Solomon Islands  
Somalia  
Sri Lanka  
St. Kitts and Nevis  
St. Vincent and the Grenadines  
Sudan  
Suriname  
Swaziland  
Syrian Arab Republic  
Taiwan Province  
Tanzania  
Togo  
Trinidad and Tobago  
Tunisia  
Turkey  
Turks and Caicos Islands  
Uganda  
United Arab Emirates  
United Republic of Tanzania  
Uruguay  
US Virgin Islands  
Vanuatu  
Venezuela  
Yemen  
Yugoslavia (former)<sup>\*\*\*</sup>  
Zaire  
Zambia  
Zimbabwe

Depending on data availability the following countries are treated separately

<sup>\*</sup> Czech Republic and Slovakia  
<sup>\*\*</sup> Armenia, Azerbaijan, Belarus, Estonia, Georgia, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Republic of Moldova, Russian Federation, Tajikistan, Turkmenistan, Ukraine, and Uzbekistan  
<sup>\*\*\*</sup> Bosnia and Herzegovina, Croatia, Slovenia, the former Yugoslav Republic of Macedonia, and Yugoslavia, Federal Republic of

## APPENDIX I

(continued)

## LIST OF COUNTRIES AND AREAS INCLUDED IN SELECTED GROUPINGS

## DEVELOPING COUNTRY GROUPINGS BY REGION, INCOME GROUP AND DEVELOPMENT GROUP

| Region, country or area  | Income group |               |             | Development group |      |                        |        |
|--------------------------|--------------|---------------|-------------|-------------------|------|------------------------|--------|
|                          | Low income   | Middle income | High income | LDCs              | NICs | Second-generation NICs | Others |
| AFRICA                   |              |               |             |                   |      |                        |        |
| North Africa             |              |               |             |                   |      |                        |        |
| Algeria                  |              | X             |             |                   |      |                        | X      |
| Egypt                    | X            |               |             |                   |      |                        | X      |
| Libyan Arab Jamahiriya   |              |               | X           |                   |      |                        | X      |
| Morocco                  |              | X             |             |                   |      | X                      |        |
| Sudan                    | X            |               |             | X                 |      |                        |        |
| Tunisia                  |              | X             |             |                   |      | X                      |        |
| Central Africa           |              |               |             |                   |      |                        |        |
| Angola                   | X            |               |             |                   |      |                        | X      |
| Burundi                  | X            |               |             | X                 |      |                        |        |
| Cameroon                 | X            |               |             |                   |      |                        | X      |
| Central African Republic | X            |               |             | X                 |      |                        |        |
| Chad                     | X            |               |             | X                 |      |                        |        |
| Congo                    |              | X             |             |                   |      |                        | X      |
| Equatorial Guinea        | X            |               |             | X                 |      |                        |        |
| Gabon                    |              |               | X           |                   |      |                        | X      |
| Rwanda                   | X            |               |             | X                 |      |                        |        |
| Sao Tome and Principe    | X            |               |             | X                 |      |                        |        |
| Zaire                    | X            |               |             | X                 |      |                        |        |
| Western Africa (ECOWAS)  |              |               |             |                   |      |                        |        |
| Benin                    | X            |               |             | X                 |      |                        |        |
| Burkina Faso             | X            |               |             | X                 |      |                        |        |
| Cape Verde               | X            |               |             | X                 |      |                        |        |
| Côte d'Ivoire            |              | X             |             |                   |      |                        | X      |
| Gambia                   | X            |               |             | X                 |      |                        |        |
| Ghana                    |              | X             |             |                   |      |                        | X      |
| Guinea                   | X            |               |             | X                 |      |                        |        |
| Guinea-Bissau            | X            |               |             | X                 |      |                        |        |
| Liberia                  | X            |               |             | X                 |      |                        |        |
| Mali                     | X            |               |             | X                 |      |                        |        |
| Mauritania               | X            |               |             | X                 |      |                        |        |
| Niger                    | X            |               |             | X                 |      |                        |        |
| Nigeria                  |              | X             |             |                   |      |                        | X      |
| Senegal                  | X            |               |             |                   |      |                        | X      |
| Sierra Leone             | X            |               |             | X                 |      |                        |        |
| Togo                     | X            |               |             | X                 |      |                        |        |

APPENDIX I  
LIST OF COUNTRIES AND AREAS INCLUDED IN SELECTED GROUPINGS

(continued)

DEVELOPING COUNTRY GROUPINGS BY REGION, INCOME GROUP AND DEVELOPMENT GROUP

| Region, country or area            | Income group |               |             | Development group |      |                        |        |
|------------------------------------|--------------|---------------|-------------|-------------------|------|------------------------|--------|
|                                    | Low income   | Middle income | High income | LDCs              | NICs | Second-generation NICs | Others |
| <b>Eastern and southern Africa</b> |              |               |             |                   |      |                        |        |
| Botswana                           | X            |               |             | X                 |      |                        |        |
| Comoros                            | X            |               |             | X                 |      |                        |        |
| Djibouti                           |              | X             |             | X                 |      |                        |        |
| Ethiopia                           | X            |               |             | X                 |      |                        |        |
| Kenya                              | X            |               |             |                   |      |                        | X      |
| Lesotho                            | X            |               |             | X                 |      |                        |        |
| Madagascar                         | X            |               |             | X                 |      |                        |        |
| Malawi                             | X            |               |             | X                 |      |                        |        |
| Mauritius                          |              | X             |             |                   |      |                        | X      |
| Mozambique                         | X            |               |             | X                 |      |                        |        |
| Namibia                            |              |               | X           |                   |      |                        | X      |
| Réunion                            |              |               | X           |                   |      |                        | X      |
| Seychelles                         |              |               | X           |                   |      |                        | X      |
| Somalia                            | X            |               |             | X                 |      |                        |        |
| Swaziland                          | X            |               |             |                   |      |                        | X      |
| Uganda                             | X            |               |             | X                 |      |                        |        |
| United Republic of Tanzania        | X            |               |             | X                 |      |                        |        |
| Zambia                             | X            |               |             | X                 |      |                        |        |
| Zimbabwe                           | X            |               |             |                   |      |                        | X      |
| <b>LATIN AMERICA</b>               |              |               |             |                   |      |                        |        |
| Anguilla                           |              | X             |             |                   |      |                        | X      |
| Antigua and Barbuda                |              | X             |             |                   |      |                        | X      |
| Argentina                          |              |               | X           |                   | X    |                        |        |
| Barbados                           |              |               | X           |                   |      |                        | X      |
| Belize                             |              | X             |             |                   |      |                        | X      |
| Bermuda                            |              |               | X           |                   |      |                        | X      |
| Bolivia                            |              | X             |             |                   |      |                        | X      |
| Brazil                             |              |               | X           |                   | X    |                        |        |
| British Virgin Islands             |              |               | X           |                   |      |                        | X      |
| Chile                              |              |               | X           |                   |      |                        | X      |
| Colombia                           |              | X             |             |                   |      | X                      |        |
| Costa Rica                         |              |               | X           |                   |      |                        | X      |
| Cuba                               |              | X             |             |                   |      |                        | X      |
| Dominica                           |              | X             |             |                   |      |                        | X      |
| Dominican Republic                 |              | X             |             |                   |      |                        | X      |
| Ecuador                            |              | X             |             |                   |      |                        | X      |
| El Salvador                        |              | X             |             |                   |      |                        | X      |
| French Guiana                      |              |               | X           |                   |      |                        | X      |

## APPENDIX I

(continued)

## LIST OF COUNTRIES AND AREAS INCLUDED IN SELECTED GROUPINGS

DEVELOPING COUNTRY GROUPINGS BY REGION, INCOME GROUP AND DEVELOPMENT GROUP

| Region, country or area        | Income group |               |             | Development group |      |                        |        |
|--------------------------------|--------------|---------------|-------------|-------------------|------|------------------------|--------|
|                                | Low income   | Middle income | High income | LDCs              | NICs | Second-generation NICs | Others |
| Grenada                        | X            |               |             |                   |      |                        | X      |
| Guadeloupe                     |              |               | X           |                   |      |                        | X      |
| Guatemala                      |              | X             |             |                   |      |                        | X      |
| Guyana                         | X            |               |             | X                 |      |                        |        |
| Haiti                          | X            |               |             |                   |      |                        | X      |
| Honduras                       |              | X             |             |                   |      |                        | X      |
| Jamaica                        |              |               | X           |                   |      |                        | X      |
| Martinique                     |              |               | X           |                   | X    |                        |        |
| Mexico                         |              | X             |             |                   |      |                        | X      |
| Montserrat                     |              |               | X           |                   |      |                        | X      |
| Netherlands Antilles           |              | X             |             |                   |      |                        | X      |
| Nicaragua                      |              | X             |             |                   |      |                        | X      |
| Panama                         |              | X             |             |                   |      |                        | X      |
| Paraguay                       |              | X             |             |                   |      |                        | X      |
| Peru                           |              |               | X           |                   |      |                        | X      |
| Puerto Rico                    |              | X             |             |                   |      |                        | X      |
| Saint Lucia                    |              | X             |             |                   |      |                        | X      |
| St. Kitts and Nevis            |              | X             |             |                   |      |                        | X      |
| St. Vincent and the Grenadines | X            |               |             |                   |      |                        | X      |
| Suriname                       |              |               | X           |                   |      |                        | X      |
| Trinidad and Tobago            |              | X             |             |                   |      |                        | X      |
| Turks and Caicos Islands       |              |               | X           |                   |      |                        | X      |
| Uruguay                        |              |               | X           |                   |      |                        | X      |
| US Virgin Islands              |              |               | X           |                   |      |                        | X      |
| Venezuela                      |              |               | X           |                   |      |                        | X      |
| WEST ASIA AND EUROPE           |              |               |             |                   |      |                        |        |
| Bahrain                        |              |               | X           |                   |      |                        | X      |
| Cyprus                         |              |               | X           |                   |      |                        | X      |
| Iraq                           |              |               | X           |                   |      |                        | X      |
| Jordan                         |              | X             |             |                   |      |                        | X      |
| Kuwait                         |              |               | X           |                   |      |                        | X      |
| Lebanon                        |              | X             |             |                   |      |                        | X      |
| Malta                          |              |               | X           |                   |      |                        | X      |
| Oman                           |              |               | X           |                   |      |                        | X      |
| Qatar                          |              |               | X           |                   |      |                        | X      |
| Saudi Arabia                   |              |               | X           |                   |      |                        | X      |
| Syrian Arab Republic           |              | X             |             |                   |      | X                      |        |
| Turkey                         |              | X             |             |                   |      |                        |        |
| United Arab Emirates           |              |               | X           | X                 |      |                        |        |
| Yemen                          | X            |               |             |                   | X    |                        |        |
| Yugoslavia (former) *          |              |               | X           |                   |      |                        |        |

Depending on data availability the following countries are treated separately:

\* Bosnia and Herzegovina, Croatia, Slovenia, the former Yugoslav Republic of Macedonia, and Yugoslavia, Federal Republic of.

## APPENDIX I

(continued)

## LIST OF COUNTRIES AND AREAS INCLUDED IN SELECTED GROUPINGS

DEVELOPING COUNTRY GROUPINGS BY REGION, INCOME GROUP AND DEVELOPMENT GROUP

| Region, country or area    | Income group |               |             | Development group |      |                        |        |
|----------------------------|--------------|---------------|-------------|-------------------|------|------------------------|--------|
|                            | Low income   | Middle income | High income | LDCs              | NICs | Second-generation NICs | Others |
| SOUTH AND EAST ASIA        |              |               |             |                   |      |                        |        |
| Bangladesh                 | X            |               |             | X                 |      |                        |        |
| Bhutan                     | X            |               |             | X                 |      |                        |        |
| Brunei Darussalam          |              |               | X           |                   |      |                        | X      |
| Cambodia                   | X            |               |             | X                 |      |                        |        |
| Fiji                       |              |               | X           |                   |      |                        | X      |
| French Polynesia           |              |               | X           |                   |      |                        | X      |
| Hong Kong                  |              |               | X           |                   |      |                        |        |
| India                      | X            |               |             |                   | X    |                        |        |
| Indonesia                  | X            |               |             |                   |      |                        |        |
| Iran (Islamic Republic of) |              |               | X           |                   |      | X                      |        |
| Malaysia                   |              | X             |             |                   |      | X                      |        |
| Maldives                   | X            |               |             | X                 |      |                        |        |
| Mongolia                   |              | X             |             |                   |      |                        | X      |
| Myanmar                    | X            |               |             | X                 |      |                        |        |
| Nepal                      | X            |               |             | X                 |      |                        |        |
| New Caledonia              |              |               | X           |                   |      |                        | X      |
| Pakistan                   | X            |               |             |                   |      |                        | X      |
| Papua New Guinea           |              | X             |             |                   |      |                        | X      |
| Philippines                | X            |               |             |                   |      | X                      |        |
| Republic of Korea          |              | X             |             |                   | X    |                        |        |
| Samoa                      | X            |               |             | X                 |      |                        |        |
| Singapore                  |              |               | X           |                   | X    |                        |        |
| Solomon Islands            | X            |               |             | X                 |      |                        |        |
| Sri Lanka                  | X            |               |             |                   |      |                        | X      |
| Taiwan Province            |              |               | X           |                   | X    |                        |        |
| Thailand                   | X            |               |             |                   |      | X                      |        |
| Tonga                      | X            |               |             |                   |      |                        | X      |
| Vanuatu                    | X            |               |             | X                 |      |                        |        |





(continued)

APPENDIX II  
DESCRIPTION OF DATA USED IN SECTION 1.2

| Country or area               | Value added   |                   |       | Output        |                   |       | Employment      |           |       |   |
|-------------------------------|---------------|-------------------|-------|---------------|-------------------|-------|-----------------|-----------|-------|---|
|                               | Factor values | Producers' prices | Mixed | Factor values | Producers' prices | Mixed | Persons engaged | Employees | Mixed |   |
| Jordan                        | X             |                   |       |               | X                 |       |                 | X         |       |   |
| Kenya                         |               |                   |       | X             |                   |       |                 | X         |       |   |
| Kuwait                        |               | X                 |       |               | X                 |       |                 | X         |       |   |
| Kyrgyzstan                    |               |                   |       |               | X                 |       | X               |           |       |   |
| Latvia                        |               |                   |       |               | X                 |       |                 | X         |       |   |
| Luxembourg                    | X             |                   |       | X             |                   |       |                 | X         |       |   |
| Macau                         | X             |                   |       |               | X                 |       |                 | X         |       |   |
| Malaysia                      |               | X                 |       |               | X                 |       |                 | X         |       |   |
| Malta                         |               | X                 |       |               | X                 |       |                 | X         |       |   |
| Mauritius                     |               | X                 |       |               | X                 |       | X               |           |       |   |
| Mexico                        |               | X                 |       |               | X                 |       |                 | X         |       |   |
| Morocco                       |               | X                 | X     |               | X                 |       |                 | X         |       |   |
| Nepal                         |               | X                 |       |               | X                 |       |                 | X         |       |   |
| Netherlands                   |               | X                 | X     |               | X                 |       |                 | X         |       |   |
| New Zealand                   |               | X                 |       |               | X                 |       |                 | X         |       |   |
| Norway                        |               | X                 | X     |               | X                 |       |                 | X         |       | X |
| Panama                        |               | X                 |       |               | X                 |       |                 | X         |       |   |
| Philippines                   |               | X                 | X     |               | X                 |       |                 | X         |       |   |
| Poland                        |               | X                 |       |               | X                 |       |                 | X         |       |   |
| Qatar                         |               | X                 |       |               | X                 |       |                 | X         |       |   |
| Republic of Korea             |               | X                 |       |               | X                 |       |                 | X         |       |   |
| Republic of Moldova           |               | X                 |       |               | X                 |       |                 | X         |       |   |
| Romania                       |               | X                 | X     |               | X                 |       |                 | X         |       |   |
| Saudi Arabia                  |               | X                 |       |               | X                 |       |                 | X         |       | X |
| Senegal                       |               | X                 |       |               | X                 |       |                 | X         |       |   |
| Singapore                     | X             |                   |       | X             |                   |       | X               |           |       |   |
| Slovenia                      | X             |                   |       |               | X                 |       |                 | X         |       |   |
| South Africa                  | X             |                   |       |               | X                 |       |                 | X         |       |   |
| Spain                         | X             |                   |       |               | X                 |       |                 | X         |       |   |
| Sri Lanka                     |               |                   | X     |               |                   | X     |                 |           | X     |   |
| Suriname                      | X             |                   |       |               | X                 |       |                 | X         |       |   |
| Swaziland                     | X             |                   |       |               | X                 |       |                 | X         |       |   |
| Sweden                        | X             |                   |       |               | X                 |       |                 | X         |       |   |
| Switzerland                   |               | X                 |       |               | X                 |       |                 | X         |       |   |
| Taiwan Province               |               | X                 |       |               | X                 |       |                 | X         |       |   |
| The f Yugosl Rep of Macedonia |               | X                 | X     |               | X                 |       |                 | X         |       |   |
| Thailand                      |               | X                 |       |               | X                 |       |                 | X         |       |   |
| Tonga                         |               | X                 |       |               | X                 |       |                 | X         |       |   |
| Turkey                        |               | X                 |       |               | X                 |       |                 | X         |       | X |
| Ukraine                       |               |                   |       |               | X                 |       |                 | X         |       |   |
| United Kingdom                | X             |                   |       | X             |                   |       | X               |           |       |   |
| United States of America      | X             |                   | X     | X             |                   | X     | X               |           |       | X |
| Uruguay                       |               | X                 |       |               | X                 |       |                 | X         |       |   |
| Venezuela                     |               | X                 |       |               | X                 |       |                 | X         |       |   |
| Zambia                        |               | X                 |       |               | X                 |       |                 | X         |       |   |
| Zimbabwe                      | X             |                   |       | X             |                   |       |                 | X         |       |   |

NEXT PAGE(S) left BLANK.



Part I

**SUMMARY TABLES**

Section 1.1

**THE MANUFACTURING SECTOR**

TABLE 1 1

DISTRIBUTION OF WORLD MVA, 1975-1992<sup>a/</sup>

| Year               | Percentage share in world total MVA |                  |       |       |               |        |                      |                             |                     |                        |                      |      |                           |     | World total MVA<br>(billion dollars) |        |
|--------------------|-------------------------------------|------------------|-------|-------|---------------|--------|----------------------|-----------------------------|---------------------|------------------------|----------------------|------|---------------------------|-----|--------------------------------------|--------|
|                    | Industrialized countries            |                  |       |       |               |        | Developing countries |                             |                     |                        |                      |      |                           |     |                                      |        |
|                    | Eastern Europe and former USSR      | western Europe   |       | Japan | North America | Others | Africa               | Regional groups             |                     |                        | west Asia and Europe | NICs | Development groups        |     |                                      | Others |
|                    |                                     | EC <sup>b/</sup> | Other |       |               |        |                      | Latin America and Caribbean | South and East Asia | Second-generation NICs |                      |      | Least developed countries |     |                                      |        |
| 1975               | 18.5                                | 30.8             | 3.7   | 9.8   | 22.5          | 2.1    | 0.9                  | 6.9                         | 3.3                 | 1.5                    | 7.7                  | 1.7  | 0.3                       | 2.9 | 2325                                 |        |
| 1976               | 18.3                                | 30.5             | 3.6   | 10.0  | 22.9          | 2.0    | 0.9                  | 6.8                         | 3.5                 | 1.5                    | 7.7                  | 1.7  | 0.3                       | 3.0 | 2499                                 |        |
| 1977               | 18.6                                | 29.9             | 3.4   | 9.9   | 23.4          | 1.9    | 0.9                  | 6.8                         | 3.7                 | 1.5                    | 7.8                  | 1.8  | 0.3                       | 3.0 | 2619                                 |        |
| 1978               | 18.7                                | 29.4             | 3.2   | 9.9   | 23.8          | 1.9    | 0.9                  | 6.7                         | 3.9                 | 1.6                    | 7.9                  | 1.9  | 0.3                       | 3.0 | 2730                                 |        |
| 1979               | 18.7                                | 29.1             | 3.3   | 10.3  | 23.3          | 1.9    | 0.9                  | 6.9                         | 4.0                 | 1.6                    | 8.2                  | 1.9  | 0.3                       | 3.0 | 2844                                 |        |
| 1980               | 19.3                                | 28.6             | 3.5   | 10.8  | 22.1          | 2.0    | 0.9                  | 7.1                         | 4.1                 | 1.6                    | 8.4                  | 1.9  | 0.3                       | 3.1 | 2865                                 |        |
| 1981               | 19.5                                | 27.8             | 3.4   | 11.2  | 22.3          | 2.1    | 0.9                  | 6.7                         | 4.4                 | 1.7                    | 8.2                  | 2.0  | 0.3                       | 3.2 | 2896                                 |        |
| 1982               | 20.2                                | 27.7             | 3.4   | 11.8  | 21.0          | 1.9    | 1.0                  | 6.6                         | 4.6                 | 1.8                    | 8.3                  | 2.1  | 0.3                       | 3.3 | 2872                                 |        |
| 1983               | 20.2                                | 27.2             | 3.3   | 11.8  | 21.5          | 1.9    | 1.0                  | 6.3                         | 5.0                 | 1.8                    | 8.3                  | 2.2  | 0.3                       | 3.3 | 2969                                 |        |
| 1984               | 19.9                                | 26.1             | 3.3   | 12.1  | 22.7          | 1.8    | 0.9                  | 6.2                         | 5.2                 | 1.8                    | 8.4                  | 2.2  | 0.2                       | 3.3 | 3155                                 |        |
| 1985               | 19.6                                | 25.9             | 3.3   | 12.5  | 22.8          | 1.8    | 1.0                  | 6.2                         | 5.1                 | 1.8                    | 8.3                  | 2.2  | 0.2                       | 3.4 | 3266                                 |        |
| 1986               | 19.6                                | 25.6             | 3.2   | 12.0  | 23.0          | 1.8    | 1.0                  | 6.4                         | 5.5                 | 1.9                    | 8.8                  | 2.4  | 0.2                       | 3.4 | 3331                                 |        |
| 1987               | 19.5                                | 24.8             | 3.1   | 12.4  | 23.1          | 1.8    | 1.0                  | 6.4                         | 5.9                 | 2.0                    | 9.1                  | 2.5  | 0.2                       | 3.5 | 3457                                 |        |
| 1988               | 19.6                                | 24.6             | 3.1   | 12.8  | 23.1          | 1.7    | 1.0                  | 6.0                         | 6.2                 | 1.9                    | 8.9                  | 2.6  | 0.2                       | 3.4 | 3648                                 |        |
| 1989               | 19.3                                | 24.6             | 3.1   | 13.4  | 22.9          | 1.7    | 1.0                  | 5.9                         | 6.3                 | 1.8                    | 8.8                  | 2.7  | 0.2                       | 3.3 | 3776                                 |        |
| 1990               | 17.7                                | 25.1             | 3.1   | 14.3  | 22.9          | 1.6    | 1.0                  | 5.7                         | 6.8                 | 1.8                    | 8.8                  | 3.0  | 0.2                       | 3.3 | 3808                                 |        |
| 1991               | 13.7                                | 27.4             | 3.1   | 15.5  | 22.8          | 1.6    | 1.0                  | 5.9                         | 7.3                 | 1.7                    | 9.0                  | 3.2  | 0.2                       | 3.6 | 3730                                 |        |
| 1992 <sup>c/</sup> | 11.3                                | 27.9             | 3.2   | 15.5  | 23.7          | 1.7    | 1.1                  | 6.1                         | 7.8                 | 1.7                    | 9.2                  | 3.5  | 0.3                       | 3.7 | 3667                                 |        |

a/ At constant 1980 prices

b/ Beginning 1991 including estimates for the eastern part of Germany

c/ Provisional

TABLE 1 2

SHARE OF CHINA IN WORLD MVA, 1981-1992<sup>a/</sup>

(Percentage)

| Country group or country | 1981  | 1982  | 1983  | 1984  | 1985  | 1986  | 1987  | 1988  | 1989  | 1990  | 1991  | 1992 <sup>b/</sup> |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|
| Industrialized countries | 82.9  | 82.4  | 82.2  | 81.8  | 81.1  | 80.1  | 79.2  | 78.8  | 78.7  | 78.3  | 76.7  | 74.5               |
| Developing countries     | 13.2  | 13.4  | 13.4  | 13.4  | 13.4  | 13.9  | 14.2  | 14.0  | 13.9  | 14.2  | 14.6  | 15.0               |
| China                    | 3.9   | 4.2   | 4.4   | 4.8   | 5.5   | 6.0   | 6.6   | 7.2   | 7.4   | 7.5   | 8.7   | 10.5               |
| World total              | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0              |

a/ At constant 1980 prices

TABLE 1.3 DISTRIBUTION OF MVA AND POPULATION AMONG SELECTED GROUPS OF DEVELOPING COUNTRIES, SELECTED YEARS

(Percentage)

| Country group              | MVA at constant 1980 prices |       |       |       |       |        | Population |       |       |       |       |       |
|----------------------------|-----------------------------|-------|-------|-------|-------|--------|------------|-------|-------|-------|-------|-------|
|                            | 1975                        | 1980  | 1985  | 1990  | 1991  | 1992a/ | 1975       | 1980  | 1985  | 1990  | 1991  | 1992  |
| Low income                 | 18.1                        | 18.2  | 21.0  | 24.7  | 25.0  | 25.3   | 67.4       | 67.3  | 67.3  | 67.3  | 67.3  | 67.3  |
| Middle income              | 19.5                        | 19.6  | 22.8  | 25.2  | 26.0  | 26.3   | 15.8       | 15.8  | 15.8  | 15.8  | 15.8  | 15.9  |
| High income                | 62.4                        | 62.2  | 56.2  | 50.1  | 49.0  | 48.4   | 16.8       | 16.9  | 16.9  | 16.9  | 16.9  | 16.8  |
| Developing countries       | 100.0                       | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0      | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Least developed countries  | 2.3                         | 1.8   | 1.7   | 1.6   | 1.5   | 1.5    | 16.0       | 15.3  | 16.5  | 16.8  | 16.9  | 17.0  |
| NICs                       | 61.2                        | 61.5  | 58.8  | 57.5  | 56.4  | 55.2   | 45.4       | 44.8  | 44.1  | 43.3  | 43.1  | 43.0  |
| Second-generation NICs     | 13.6                        | 14.1  | 15.8  | 19.4  | 20.3  | 21.2   | 16.2       | 16.1  | 15.9  | 15.6  | 15.6  | 15.5  |
| Other developing countries | 22.9                        | 22.6  | 23.7  | 21.5  | 21.8  | 22.1   | 22.4       | 22.8  | 23.5  | 24.3  | 24.4  | 24.5  |
| Developing countries       | 100.0                       | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0      | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Africa                     | 6.5                         | 6.4   | 6.8   | 6.4   | 6.5   | 6.4    | 19.2       | 19.6  | 20.1  | 20.8  | 20.9  | 21.1  |
| Latin America              | 55.1                        | 51.8  | 44.1  | 37.4  | 36.8  | 36.5   | 16.3       | 16.2  | 16.0  | 15.7  | 15.7  | 15.6  |
| South and East Asia        | 26.4                        | 30.1  | 36.0  | 44.3  | 45.9  | 46.7   | 59.3       | 58.9  | 58.6  | 58.1  | 58.0  | 57.9  |
| West Asia and Europe       | 12.0                        | 11.7  | 13.1  | 11.9  | 10.8  | 10.4   | 5.2        | 5.3   | 5.3   | 5.4   | 5.4   | 5.4   |
| Developing countries       | 100.0                       | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0      | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

a/ Provisional

TABLE 1.4

ANNUAL GROWTH OF MVA, 1975-1992<sup>a/</sup>

| Country group or country/area  | Total MVA                |           |                    |      |      |                    | Per-capita MVA           |           |                    |      |      |                    |
|--------------------------------|--------------------------|-----------|--------------------|------|------|--------------------|--------------------------|-----------|--------------------|------|------|--------------------|
|                                | Growth rate (percentage) |           | Index (1980 = 100) |      |      |                    | Growth rate (percentage) |           | Index (1980 = 100) |      |      |                    |
|                                | 1975-1985                | 1985-1992 | 1989               | 1990 | 1991 | 1992 <sup>b/</sup> | 1975-1985                | 1985-1992 | 1989               | 1990 | 1991 | 1992 <sup>b/</sup> |
| Industrialized countries       | 2.7                      | 1.7       | 130                | 131  | 127  | 123                | 1.9                      | 1.0       | 122                | 122  | 118  | 114                |
| Eastern Europe and former USSR | 3.9                      | -3.0      | 132                | 122  | 104  | 88                 | 3.1                      | -3.5      | 124                | 114  | 97   | 81                 |
| EC                             | 1.0                      | 2.1       | 113                | 118  | 117  | 116                | 0.7                      | 1.7       | 111                | 113  | 113  | 111                |
| Belgium                        | 2.9                      | 2.9       | 130                | 135  | 134  | 131                | 2.8                      | 2.6       | 129                | 134  | 133  | 129                |
| Denmark                        | 2.5                      | -0.4      | 112                | 111  | 109  | 110                | 2.4                      | -0.6      | 112                | 110  | 109  | 109                |
| France                         | 1.0                      | 2.0       | 108                | 110  | 109  | 109                | 0.5                      | 1.4       | 104                | 106  | 103  | 103                |
| Germany, western part          | 1.0                      | 2.4       | 110                | 116  | 120  | 119                | 1.2                      | 1.6       | 109                | 113  | 118  | 113                |
| Greece                         | 1.7                      | 0.1       | 105                | 102  | 101  | 100                | 0.7                      | -0.4      | 99                 | 96   | 95   | 93                 |
| Ireland                        | 6.1                      | 4.0       | 147                | 156  | 151  | 150                | 4.9                      | 4.2       | 142                | 151  | 147  | 155                |
| Italy                          | 3.6                      | 3.1       | 125                | 128  | 127  | 127                | 3.4                      | 3.0       | 124                | 126  | 126  | 126                |
| Luxembourg                     | 1.8                      | 3.5       | 139                | 139  | 141  | 143                | 1.8                      | 2.6       | 134                | 133  | 133  | 134                |
| Netherlands                    | 0.5                      | 2.4       | 113                | 117  | 118  | 119                | -0.1                     | 1.7       | 108                | 111  | 111  | 111                |
| Portugal                       | 2.5                      | 3.3       | 120                | 126  | 125  | 121                | 1.6                      | 3.4       | 119                | 124  | 124  | 120                |
| Spain                          | -0.4                     | 2.4       | 119                | 120  | 119  | 117                | -1.2                     | 2.0       | 114                | 115  | 113  | 112                |
| United Kingdom                 | -1.5                     | 0.5       | 107                | 106  | 103  | 102                | -1.5                     | 0.2       | 105                | 104  | 101  | 99                 |
| Other western Europe           | 1.6                      | 1.6       | 118                | 120  | 117  | 117                | 1.4                      | 1.0       | 114                | 115  | 112  | 111                |
| Austria                        | 2.4                      | 3.4       | 120                | 127  | 130  | 130                | 2.4                      | 2.9       | 119                | 124  | 126  | 126                |
| Finland                        | 4.3                      | 0.9       | 136                | 135  | 121  | 124                | 3.9                      | 0.5       | 131                | 130  | 115  | 118                |
| Iceland                        | 3.6                      | -1.5      | 103                | 100  | 102  | 93                 | 2.5                      | -2.6      | 93                 | 90   | 90   | 82                 |
| Norway                         | 0.1                      | -1.0      | 102                | 103  | 101  | 102                | -0.2                     | -1.4      | 99                 | 99   | 97   | 97                 |
| Sweden                         | 1.0                      | 0.2       | 122                | 121  | 115  | 114                | 0.9                      | -0.3      | 119                | 118  | 111  | 109                |
| Switzerland                    | 1.0                      | 2.7       | 110                | 112  | 113  | 113                | 0.7                      | 1.7       | 102                | 104  | 104  | 103                |
| Japan                          | 5.8                      | 6.0       | 163                | 176  | 187  | 183                | 4.9                      | 5.6       | 155                | 166  | 176  | 172                |
| North America                  | 2.5                      | 2.2       | 137                | 138  | 134  | 137                | 1.5                      | 1.2       | 126                | 125  | 121  | 121                |
| Canada                         | 1.6                      | 0.4       | 128                | 124  | 117  | 117                | 0.5                      | -1.0      | 115                | 110  | 102  | 101                |
| United States of America       | 2.6                      | 2.3       | 138                | 139  | 135  | 138                | 1.5                      | 1.3       | 127                | 128  | 122  | 123                |
| Others                         | 1.8                      | 1.0       | 111                | 110  | 109  | 111                | -0.2                     | -1.0      | 93                 | 90   | 87   | 87                 |
| Australia                      | 1.2                      | 1.2       | 113                | 111  | 109  | 113                | 0.1                      | -0.3      | 99                 | 96   | 93   | 96                 |
| Israel                         | 2.1                      | 3.1       | 125                | 133  | 143  | 155                | 0.0                      | 0.7       | 107                | 111  | 115  | 119                |
| New Zealand                    | 2.2                      | -2.0      | 115                | 109  | 106  | 106                | 1.7                      | -2.7      | 107                | 101  | 97   | 96                 |
| South Africa                   | 2.7                      | 0.7       | 103                | 102  | 100  | 97                 | 0.1                      | -1.6      | 83                 | 80   | 77   | 73                 |

a. At constant 1980 prices  
b. Provisional

TABLE 1.4  
(continued)

ANNUAL GROWTH OF MVA, 1975-1992<sup>a/</sup>

| Country group or country/area | Total MVA                |           |                    |      |      |         | Per-capita MVA           |           |                    |      |      |         |
|-------------------------------|--------------------------|-----------|--------------------|------|------|---------|--------------------------|-----------|--------------------|------|------|---------|
|                               | Growth rate (percentage) |           | Index (1980 = 100) |      |      |         | Growth rate (percentage) |           | Index (1980 = 100) |      |      |         |
|                               | 1975-1985                | 1985-1992 | 1989               | 1990 | 1991 | 1992 b/ | 1975-1985                | 1985-1992 | 1989               | 1990 | 1991 | 1992 b/ |
| Developing countries          | 4.4                      | 3.9       | 144                | 148  | 151  | 155     | 1.9                      | 1.6       | 115                | 117  | 117  | 118     |
| Algeria                       | 10.2                     | 2.1       | 170                | 173  | 179  | 180     | 6.8                      | -0.8      | 131                | 130  | 131  | 129     |
| Angola                        | -1.4                     | -8.5      | 94                 | 78   | 81   | 84      | -4.0                     | -11.3     | 74                 | 69   | 69   | 69      |
| Anguilla                      | 2.8                      | 9.5       | 167                | 175  | 201  | 201     | 1.1                      | 9.6       | 157                | 175  | 201  | 201     |
| Antigua and Barbuda           | 8.0                      | 3.5       | 156                | 163  | 166  | 168     | 7.4                      | 2.9       | 149                | 158  | 158  | 167     |
| Argentina                     | -1.6                     | 1.4       | 85                 | 87   | 97   | 104     | -3.1                     | 0.0       | 76                 | 75   | 83   | 88      |
| Bahrain                       | 1.6                      | 3.9       | 110                | 115  | 115  | 117     | -2.6                     | 0.6       | 80                 | 82   | 79   | 78      |
| Bangladesh                    | 2.5                      | 4.9       | 133                | 135  | 146  | 160     | 0.0                      | 2.9       | 110                | 111  | 117  | 125     |
| Barbados                      | 1.2                      | -0.1      | 96                 | 93   | 89   | 83      | 0.9                      | -0.4      | 93                 | 90   | 88   | 80      |
| Belize                        | 1.9                      | 4.3       | 115                | 120  | 120  | 123     | -0.3                     | 1.6       | 91                 | 93   | 90   | 90      |
| Benin                         | -3.0                     | 5.2       | 113                | 114  | 119  | 119     | -8.7                     | 2.0       | 87                 | 85   | 86   | 84      |
| Bermuda                       | 1.6                      | 1.7       | 106                | 107  | 110  | 113     | 1.0                      | 0.3       | 96                 | 96   | 97   | 98      |
| Bhutan                        | 19.5                     | 14.7      | 361                | 417  | 447  | 512     | 17.1                     | 12.3      | 294                | 334  | 353  | 400     |
| Bolivia                       | -2.3                     | 4.5       | 86                 | 90   | 96   | 101     | -4.4                     | 2.2       | 71                 | 74   | 77   | 78      |
| Botswana                      | 3.4                      | 10.7      | 221                | 232  | 247  | 253     | -0.2                     | 7.1       | 162                | 165  | 170  | 175     |
| Brazil                        | 2.0                      | -2.3      | 108                | 98   | 80   | 85      | -0.3                     | -4.1      | 90                 | 80   | 71   | 58      |
| British Virgin Islands        | 5.9                      | 7.7       | 240                | 238  | 228  | 240     | 3.2                      | 4.6       | 180                | 178  | 161  | 159     |
| Brunei Darussalam             | -5.1                     | 0.8       | 71                 | 75   | 58   | 59      | -8.3                     | -1.7      | 55                 | 55   | 43   | 43      |
| Burkina Faso                  | 1.5                      | 1.5       | 110                | 112  | 114  | 122     | -0.9                     | -1.2      | 87                 | 87   | 88   | 89      |
| Burundi                       | 6.4                      | 4.3       | 145                | 158  | 165  | 174     | 3.7                      | 1.3       | 112                | 119  | 120  | 123     |
| Cambodia                      | 7.3                      | 6.3       | 184                | 187  | 200  | 221     | 6.7                      | 3.1       | 139                | 138  | 143  | 163     |
| Cameroon                      | 10.7                     | 0.9       | 255                | 258  | 257  | 242     | 7.5                      | -1.9      | 197                | 194  | 188  | 172     |
| Cape Verde                    | 4.5                      | 3.2       | 174                | 185  | 195  | 202     | 3.4                      | 1.0       | 151                | 155  | 162  | 162     |
| Central African Republic      | -1.3                     | 2.5       | 134                | 132  | 138  | 124     | -3.6                     | 0.0       | 109                | 104  | 106  | 93      |
| Chad                          | 6.4                      | -5.1      | 227                | 139  | 138  | 129     | 4.1                      | -7.1      | 188                | 112  | 108  | 99      |
| Chile                         | 2.2                      | 6.5       | 127                | 127  | 134  | 149     | 0.6                      | 4.7       | 110                | 108  | 112  | 122     |
| Colombia                      | 2.5                      | 4.1       | 128                | 134  | 135  | 141     | 0.3                      | 2.2       | 107                | 110  | 109  | 112     |
| Comoros                       | 1.6                      | 3.3       | 130                | 134  | 151  | 171     | -2.1                     | -0.4      | 95                 | 94   | 109  | 112     |
| Congo                         | 9.6                      | 2.6       | 209                | 212  | 218  | 231     | 5.5                      | -0.4      | 151                | 159  | 158  | 163     |
| Costa Rica                    | 2.0                      | 4.1       | 121                | 124  | 127  | 140     | -0.9                     | 1.3       | 93                 | 93   | 93   | 100     |
| Côte d'Ivoire                 | 4.6                      | -5.6      | 122                | 90   | 93   | 93      | 0.7                      | -9.1      | 85                 | 82   | 81   | 69      |
| Cuba                          | 7.6                      | -4.9      | 170                | 180  | 141  | 125     | 6.7                      | -5.8      | 157                | 147  | 128  | 113     |
| Cyprus                        | 8.1                      | 4.1       | 149                | 155  | 157  | 163     | 7.1                      | 3.0       | 135                | 139  | 139  | 142     |
| Djibouti                      | -0.1                     | 2.9       | 99                 | 110  | 112  | 117     | -6.4                     | -1.9      | 55                 | 50   | 59   | 50      |
| Dominica                      | 9.8                      | 4.5       | 185                | 191  | 187  | 191     | 9.8                      | 4.8       | 193                | 199  | 195  | 199     |
| Dominican Republic            | 2.4                      | 1.3       | 114                | 106  | 104  | 117     | -0.0                     | -0.8      | 93                 | 84   | 82   | 90      |
| Ecuador                       | 5.2                      | 0.1       | 104                | 103  | 105  | 111     | 2.3                      | -2.2      | 83                 | 80   | 81   | 82      |
| Egypt                         | 7.1                      | 3.0       | 159                | 165  | 170  | 171     | 4.5                      | 0.6       | 127                | 129  | 129  | 127     |
| El Salvador                   | -3.0                     | 3.4       | 98                 | 101  | 106  | 112     | -4.4                     | 1.5       | 87                 | 88   | 91   | 94      |
| Equatorial Guinea             | -5.3                     | -4.7      | 115                | 117  | 125  | 129     | -9.7                     | -6.8      | 73                 | 72   | 75   | 75      |
| Ethiopia                      | 5.0                      | 1.4       | 137                | 144  | 139  | 125     | 2.4                      | -1.4      | 108                | 111  | 104  | 91      |
| Fiji                          | 3.8                      | 3.4       | 115                | 122  | 127  | 125     | 1.8                      | 2.5       | 101                | 107  | 110  | 107     |
| French Guiana                 | 1.6                      | 1.7       | 105                | 105  | 111  | 111     | -3.0                     | -3.2      | 64                 | 61   | 62   | 59      |

a/ At constant 1980 prices  
b/ Provisional

TABLE 1.4  
(continued)

ANNUAL GROWTH OF MVA, 1975-1992<sup>a/</sup>

| Country group or country/area | Total MVA                |           |                    |      |      |         | Per-capita MVA           |           |                    |      |      |         |
|-------------------------------|--------------------------|-----------|--------------------|------|------|---------|--------------------------|-----------|--------------------|------|------|---------|
|                               | Growth rate (percentage) |           | Index (1980 = 100) |      |      |         | Growth rate (percentage) |           | Index (1980 = 100) |      |      |         |
|                               | 1975-1985                | 1985-1992 | 1989               | 1990 | 1991 | 1992 b/ | 1975-1985                | 1985-1992 | 1989               | 1990 | 1991 | 1992 b/ |
| French Polynesia              | 7.3                      | 2.0       | 174                | 183  | 190  | 200     | 4.2                      | -0.8      | 136                | 140  | 142  | 147     |
| Gabon                         | -3.0                     | -4.9      | 82                 | 85   | 88   | 87      | -7.2                     | -7.7      | 59                 | 60   | 60   | 67      |
| Gambia                        | 5.7                      | 2.7       | 174                | 168  | 180  | 188     | 2.6                      | -1.6      | 126                | 117  | 120  | 121     |
| Ghana                         | -7.7                     | 3.3       | 112                | 107  | 100  | 103     | -10.1                    | 0.1       | 83                 | 77   | 70   | 69      |
| Grenada                       | 6.4                      | 8.8       | 191                | 207  | 217  | 217     | 6.8                      | 8.4       | 187                | 202  | 212  | 212     |
| Guadeloupe                    | -1.0                     | 5.0       | 110                | 114  | 109  | 111     | -1.7                     | 3.0       | 94                 | 96   | 90   | 90      |
| Guatemala                     | 2.1                      | 2.4       | 96                 | 99   | 101  | 108     | -0.7                     | -0.6      | 76                 | 74   | 74   | 76      |
| Guinea                        | 1.9                      | 8.9       | 156                | 164  | 174  | 181     | 0.0                      | 6.7       | 126                | 127  | 131  | 132     |
| Guinea-Bissau                 | 1.0                      | -5.6      | 67                 | 66   | 66   | 62      | -2.3                     | -7.4      | 67                 | 66   | 63   | 49      |
| Guyana                        | -1.9                     | -5.6      | 55                 | 45   | 50   | 54      | -2.7                     | -6.9      | 62                 | 43   | 48   | 61      |
| Haiti                         | 3.4                      | -3.4      | 81                 | 82   | 68   | 63      | 1.6                      | -5.4      | 66                 | 68   | 66   | 60      |
| Honduras                      | 2.9                      | 6.0       | 132                | 144  | 146  | 158     | -0.4                     | 2.8       | 99                 | 106  | 103  | 109     |
| Hong Kong                     | 7.7                      | 0.3       | 150                | 142  | 129  | 135     | 5.4                      | -0.6      | 133                | 126  | 113  | 118     |
| India                         | 5.5                      | 5.8       | 190                | 204  | 199  | 201     | 3.3                      | 3.7       | 157                | 166  | 168  | 167     |
| Indonesia                     | 14.5                     | 10.6      | 272                | 306  | 336  | 367     | 12.1                     | 8.7       | 228                | 262  | 272  | 294     |
| Iran (Islamic Republic of)    | 2.8                      | 8.6       | 147                | 170  | 201  | 207     | -1.1                     | 4.8       | 101                | 113  | 130  | 130     |
| Iraq                          | 6.8                      | -23.7     | 113                | 82   | 19   | 18      | 3.3                      | -28.1     | 83                 | 69   | 13   | 13      |
| Jamaica                       | -2.7                     | 3.3       | 127                | 133  | 127  | 130     | -4.1                     | 2.8       | 116                | 120  | 114  | 116     |
| Jordan                        | 10.3                     | 4.8       | 148                | 161  | 162  | 166     | 6.9                      | 2.1       | 106                | 110  | 107  | 117     |
| Kenya                         | 6.9                      | 5.1       | 152                | 160  | 166  | 168     | 3.0                      | 1.6       | 111                | 112  | 113  | 110     |
| Kuwait                        | 2.0                      | -1.2      | 131                | 94   | 90   | 114     | -3.2                     | -3.2      | 84                 | 60   | 59   | 81      |
| Lebanon                       | -11.6                    | -24.8     | 11                 | 8    | 8    | 6       | -11.3                    | -24.8     | 11                 | 8    | 8    | 6       |
| Lesotho                       | 10.1                     | 10.9      | 328                | 316  | 350  | 367     | 7.1                      | 8.0       | 252                | 236  | 255  | 260     |
| Liberia                       | -1.1                     | 2.1       | 107                | 104  | 108  | 108     | -4.1                     | -1.1      | 81                 | 78   | 78   | 74      |
| Libyan Arab Jamahiriya        | 14.0                     | 5.3       | 240                | 255  | 287  | 293     | 9.1                      | 1.6       | 167                | 171  | 173  | 183     |
| Madagascar                    | -5.2                     | 0.6       | 73                 | 72   | 71   | 70      | -8.1                     | -2.7      | 64                 | 62   | 60   | 47      |
| Malawi                        | 2.2                      | 3.6       | 126                | 143  | 130  | 134     | -1.0                     | -1.6      | 87                 | 94   | 82   | 81      |
| Malaysia                      | 8.4                      | 14.0      | 211                | 244  | 278  | 307     | 5.8                      | 11.1      | 167                | 188  | 209  | 226     |
| Maldives                      | 19.7                     | 11.0      | 316                | 377  | 406  | 436     | 16.3                     | 7.4       | 238                | 276  | 288  | 297     |
| Mali                          | 8.3                      | 4.0       | 234                | 229  | 233  | 262     | 6.7                      | 0.9       | 180                | 170  | 166  | 183     |
| Malta                         | 3.0                      | 4.1       | 113                | 117  | 118  | 124     | 1.7                      | 3.6       | 104                | 108  | 106  | 112     |
| Martinique                    | 1.2                      | -3.1      | 219                | 226  | 126  | 128     | 0.9                      | -4.1      | 201                | 204  | 112  | 114     |
| Mauritania                    | 8.1                      | 4.3       | 167                | 192  | 206  | 228     | 6.4                      | 1.7       | 126                | 149  | 166  | 168     |
| Mauritius                     | 4.2                      | 8.7       | 233                | 251  | 266  | 280     | 2.9                      | 7.8       | 216                | 230  | 240  | 261     |
| Mexico                        | 4.1                      | 3.7       | 116                | 122  | 128  | 129     | 1.6                      | 1.4       | 93                 | 97   | 98   | 98      |
| Mongolia                      | 9.3                      | -2.4      | 165                | 161  | 135  | 116     | 6.4                      | -4.8      | 120                | 123  | 101  | 84      |
| Montserrat                    | 8.8                      | 3.2       | 152                | 136  | 130  | 142     | 9.8                      | 3.2       | 166                | 148  | 142  | 156     |
| Morocco                       | 4.3                      | 4.1       | 137                | 153  | 156  | 161     | 1.9                      | 1.8       | 111                | 122  | 122  | 123     |
| Myanmar                       | 5.4                      | -2.0      | 108                | 108  | 103  | 117     | 3.2                      | -4.1      | 89                 | 87   | 82   | 91      |
| Namibia                       | -0.8                     | -3.0      | 91                 | 96   | 91   | 96      | -3.4                     | -6.6      | 71                 | 74   | 68   | 68      |
| Nepal                         | 4.4                      | 4.6       | 187                | 193  | 206  | 208     | 1.6                      | 2.0       | 149                | 149  | 166  | 163     |
| Netherlands Antilles          | 1.2                      | 3.2       | 88                 | 94   | 91   | 93      | 0.3                      | 2.4       | 81                 | 87   | 82   | 84      |
| New Caledonia                 | -4.9                     | 6.6       | 120                | 114  | 119  | 127     | -6.3                     | 4.8       | 104                | 97   | 100  | 106     |
| Nicaragua                     | -0.6                     | -6.7      | 69                 | 70   | 74   | 70      | -3.4                     | -9.4      | 64                 | 63   | 66   | 60      |

a/ At constant 1980 prices  
b/ Provisional

TABLE 1.4  
(continued)  
ANNUAL GROWTH OF MVA, 1975-1992<sup>a/</sup>

| Country group or country/area | Growth rate (percentage) |           | Total MVA          |      |      | Per-capita MVA     |      |      |      |         |
|-------------------------------|--------------------------|-----------|--------------------|------|------|--------------------|------|------|------|---------|
|                               | 1975-1985                | 1985-1992 | 1989               | 1990 | 1991 | 1992 b/            | 1989 | 1990 | 1991 | 1992 b/ |
|                               |                          |           | Index (1980 = 100) |      |      | Index (1980 = 100) |      |      |      |         |
| Niger                         | 4.0                      | 0.8       | 193                | 188  | 186  | 181                | 144  | 136  | 131  | 123     |
| Nigeria                       | 5.0                      | 5.5       | 108                | 116  | 124  | 127                | 83   | 87   | 90   | 89      |
| Oman                          | 37.2                     | 70.2      | 806                | 806  | 807  | 809                | 482  | 506  | 486  | 501     |
| Pakistan                      | 9.2                      | 6.3       | 198                | 211  | 227  | 233                | 143  | 148  | 154  | 154     |
| Panama                        | 2.2                      | 1.0       | 85                 | 96   | 104  | 112                | -0.1 | 77   | 83   | 88      |
| Papua New Guinea              | 2.7                      | -0.3      | 122                | 111  | 109  | 111                | 100  | 76   | 86   | 88      |
| Paraguay                      | 5.0                      | 3.5       | 121                | 126  | 128  | 128                | 90   | 92   | 90   | 87      |
| Peru                          | -0.7                     | -2.6      | 88                 | 87   | 87   | 89                 | 72   | 66   | 68   | 69      |
| Philippines                   | 2.0                      | 4.0       | 106                | 109  | 109  | 107                | 86   | 87   | 88   | 82      |
| Puerto Rico                   | 4.5                      | 2.2       | 135                | 134  | 134  | 133                | 124  | 121  | 120  | 119     |
| Qatar                         | 6.2                      | 4.6       | 192                | 207  | 190  | 208                | 96   | 98   | 87   | 92      |
| Republic of Korea             | 11.2                     | 10.4      | 281                | 307  | 332  | 348                | 252  | 273  | 293  | 304     |
| Reunion                       | 6.5                      | 2.4       | 140                | 158  | 146  | 152                | 120  | 132  | 121  | 123     |
| Rwanda                        | 5.7                      | 0.3       | 111                | 114  | 116  | 120                | 84   | 86   | 84   | 84      |
| Saint Lucia                   | 6.6                      | 1.6       | 138                | 136  | 136  | 139                | 121  | 116  | 116  | 117     |
| Samoa                         | -0.7                     | -0.2      | 101                | 100  | 100  | 100                | 99   | 96   | 97   | 96      |
| Sao Tome and Principe         | -1.3                     | -1.3      | 65                 | 89   | 72   | 72                 | 63   | 64   | 66   | 64      |
| Saudi Arabia                  | 10.6                     | 5.2       | 203                | 214  | 225  | 242                | 125  | 128  | 131  | 138     |
| Senegal                       | 3.7                      | 3.6       | 157                | 162  | 162  | 167                | 122  | 119  | 118  | 120     |
| Senegal                       | 7.9                      | 9.4       | 166                | 179  | 180  | 190                | 142  | 161  | 160  | 169     |
| Sierra Leone                  | 1.3                      | -8.8      | 72                 | 67   | 53   | 52                 | 60   | 64   | 42   | 40      |
| Singapore                     | 6.9                      | 10.8      | 178                | 196  | 206  | 210                | 161  | 174  | 181  | 183     |
| Solomon Islands               | 7.3                      | 4.2       | 120                | 125  | 128  | 138                | 88   | 89   | 88   | 92      |
| Somalia                       | 2.0                      | 3.4       | 111                | 104  | 121  | 99                 | 87   | 81   | 93   | 76      |
| Sri Lanka                     | 2.4                      | 5.4       | 145                | 158  | 169  | 184                | 126  | 136  | 143  | 164     |
| St Kitts and Nevis            | -0.1                     | -0.7      | 102                | 89   | 91   | 93                 | 107  | 94   | 96   | 93      |
| St Vincent and the Grenadines | 10.6                     | 2.6       | 166                | 140  | 143  | 149                | 163  | 128  | 130  | 134     |
| Sudan                         | -1.1                     | 3.5       | 115                | 121  | 129  | 144                | 90   | 92   | 96   | 104     |
| Suriname                      | -4.3                     | -3.8      | 75                 | 70   | 84   | 88                 | 87   | 62   | 65   | 60      |
| Swaziland                     | 5.4                      | 8.1       | 163                | 183  | 187  | 209                | 116  | 138  | 137  | 148     |
| Syrian Arab Republic          | 3.7                      | 0.8       | 148                | 107  | 114  | 125                | 106  | 78   | 77   | 82      |
| Taiwan Province               | 10.6                     | 5.4       | 205                | 204  | 216  | 179                | 181  | 187  | 187  | 191     |
| Thailand                      | 7.0                      | 14.8      | 222                | 257  | 288  | 318                | 189  | 216  | 239  | 261     |
| Togo                          | -1.5                     | 2.6       | 99                 | 98   | 102  | 105                | 75   | 72   | 73   | 61      |
| Tonga                         | 5.0                      | 0.0       | 125                | 115  | 104  | 105                | 121  | 111  | 99   | 100     |
| Trinidad and Tobago           | 0.3                      | 1.3       | 79                 | 81   | 90   | 89                 | 70   | 71   | 78   | 76      |
| Tunisia                       | 9.2                      | 5.0       | 171                | 177  | 186  | 200                | 138  | 140  | 143  | 152     |
| Turkey                        | 3.8                      | 5.6       | 184                | 202  | 206  | 218                | 149  | 160  | 160  | 168     |
| Turks and Caicos Islands      | 0.7                      | 1.1       | 98                 | 100  | 100  | 100                | 52   | 58   | 58   | 54      |
| Uganda                        | -6.5                     | 12.1      | 161                | 169  | 187  | 200                | 122  | 124  | 132  | 136     |
| United Arab Emirates          | 36.3                     | 2.2       | 201                | 212  | 227  | 239                | 126  | 129  | 134  | 137     |
| United Republic of Tanzania   | -2.6                     | 3.3       | 89                 | 87   | 91   | 93                 | 67   | 63   | 54   | 63      |
| Uruguay                       | -1.1                     | 2.2       | 92                 | 91   | 90   | 96                 | 87   | 85   | 85   | 88      |
| US Virgin Islands             | 1.6                      | 1.7       | 105                | 106  | 109  | 113                | 101  | 101  | 103  | 107     |

a/ At constant 1980 prices  
b/ Provisions



TABLE 1.4  
(continued)

ANNUAL GROWTH OF MVA, 1975-1992<sup>a/</sup>

| Country group or country/area | Total MVA                |           |                    |      |      |         | Per-capita MVA           |           |                    |      |      |         |
|-------------------------------|--------------------------|-----------|--------------------|------|------|---------|--------------------------|-----------|--------------------|------|------|---------|
|                               | Growth rate (percentage) |           | Index (1980 = 100) |      |      |         | Growth rate (percentage) |           | Index (1980 = 100) |      |      |         |
|                               | 1975-1985                | 1985-1992 | 1989               | 1990 | 1991 | 1992 b/ | 1975-1985                | 1985-1992 | 1989               | 1990 | 1991 | 1992 b/ |
| Vanuatu                       | 14.3                     | 12.1      | 330                | 370  | 376  | 434     | 11.4                     | 9.4       | 264                | 291  | 288  | 323     |
| Venezuela                     | 2.6                      | 3.3       | 113                | 120  | 134  | 150     | -0.4                     | 0.7       | 90                 | 93   | 101  | 111     |
| Yemen                         | 9.6                      | -0.3      | 211                | 185  | 184  | 192     | 8.0                      | -3.7      | 164                | 130  | 128  | 126     |
| Yugoslavia (former)           | 4.7                      | ...       | 121                | 109  | ...  | ...     | 3.9                      | ...       | 114                | 102  | ...  | ...     |
| Zaire                         | -4.2                     | -2.3      | 84                 | 88   | 86   | 76      | -7.1                     | -6.6      | 63                 | 64   | 69   | 61      |
| Zambia                        | 0.9                      | 3.7       | 142                | 153  | 137  | 133     | -2.5                     | 0.3       | 103                | 108  | 93   | 88      |
| Zimbabwe                      | 3.2                      | 3.1       | 132                | 140  | 143  | 130     | -0.0                     | -0.1      | 98                 | 100  | 100  | 88      |
| Low income                    | 6.3                      | 7.2       | 185                | 201  | 208  | 216     | 3.8                      | 4.8       | 150                | 159  | 161  | 164     |
| Middle income                 | 5.9                      | 6.1       | 179                | 191  | 200  | 209     | 3.4                      | 3.7       | 144                | 150  | 154  | 167     |
| High income                   | 3.2                      | 1.5       | 120                | 119  | 119  | 121     | 0.7                      | -0.7      | 97                 | 94   | 92   | 92      |
| Africa                        | 5.1                      | 3.1       | 143                | 148  | 162  | 164     | 2.1                      | 0.1       | 110                | 111  | 110  | 109     |
| North Africa                  | 7.1                      | 3.4       | 159                | 168  | 173  | 178     | 4.2                      | 0.9       | 126                | 129  | 130  | 131     |
| Maghreb                       | 7.5                      | 3.3       | 156                | 165  | 170  | 174     | 4.6                      | 0.9       | 124                | 128  | 129  | 129     |
| Central Africa                | 4.8                      | -0.1      | 172                | 189  | 170  | 164     | 1.8                      | -3.1      | 131                | 126  | 122  | 116     |
| CEPGL                         | 1.1                      | 0.4       | 106                | 111  | 112  | 111     | -2.0                     | -2.8      | 79                 | 81   | 79   | 76      |
| UDEAC                         | 6.5                      | 0.1       | 203                | 198  | 199  | 191     | 3.7                      | -2.6      | 159                | 151  | 148  | 138     |
| Western Africa (ECOWAS)       | 3.7                      | 3.0       | 116                | 116  | 122  | 124     | 0.8                      | -0.1      | 88                 | 86   | 88   | 87      |
| CEAD                          | 4.1                      | -1.3      | 136                | 119  | 122  | 125     | 1.1                      | -4.3      | 103                | 87   | 87   | 86      |
| MARUM                         | 0.6                      | 1.5       | 108                | 107  | 106  | 108     | -1.5                     | -1.2      | 86                 | 83   | 80   | 79      |
| Eastern and southern Africa   | 2.2                      | 4.0       | 132                | 140  | 140  | 137     | -0.8                     | 0.7       | 100                | 103  | 100  | 94      |
| PTA                           | 1.9                      | 3.6       | 131                | 138  | 139  | 138     | -1.1                     | 0.4       | 99                 | 102  | 99   | 96      |
| SADCC                         | 1.5                      | 3.4       | 128                | 135  | 133  | 128     | -1.6                     | -0.1      | 96                 | 97   | 93   | 87      |
| Latin America                 | 2.0                      | 0.8       | 108                | 107  | 107  | 108     | -0.3                     | -1.1      | 90                 | 87   | 86   | 86      |
| LAIA                          | 1.7                      | 1.0       | 106                | 106  | 106  | 108     | -0.6                     | -0.9      | 86                 | 86   | 84   | 86      |
| Andean group                  | 2.1                      | 2.8       | 112                | 116  | 123  | 132     | -0.4                     | 0.4       | 92                 | 93   | 96   | 102     |
| CACM                          | 1.0                      | 2.7       | 104                | 107  | 110  | 118     | -1.6                     | -0.1      | 83                 | 83   | 83   | 86      |
| CARICOM                       | -0.9                     | 1.9       | 99                 | 101  | 104  | 104     | -2.1                     | 1.2       | 90                 | 92   | 93   | 93      |
| OECS                          | 5.9                      | 2.7       | 146                | 139  | 141  | 146     | 5.5                      | 2.1       | 139                | 132  | 133  | 136     |
| South and East Asia           | 7.6                      | 8.1       | 202                | 218  | 231  | 242     | 6.2                      | 5.9       | 165                | 176  | 181  | 186     |
| ASEAN                         | 6.0                      | 11.1      | 199                | 223  | 244  | 264     | 6.7                      | 9.1       | 166                | 183  | 196  | 209     |
| Bangkok Agreement             | 7.4                      | 8.0       | 222                | 241  | 248  | 266     | 6.2                      | 5.9       | 186                | 196  | 199  | 201     |
| West Asia and Europe          | 5.6                      | 0.6       | 151                | 150  | 140  | 138     | 2.8                      | -1.8      | 119                | 115  | 106  | 101     |
| Least developed countries     | 1.7                      | 2.6       | 126                | 128  | 129  | 134     | -0.9                     | -0.1      | 99                 | 98   | 96   | 97      |
| African LDCs                  | 0.4                      | 2.7       | 123                | 125  | 125  | 126     | -2.4                     | -0.3      | 94                 | 93   | 90   | 88      |
| NICs                          | 3.9                      | 2.9       | 137                | 138  | 138  | 139     | 1.8                      | 1.0       | 114                | 113  | 111  | 110     |
| Second-generation NICs        | 6.1                      | 8.7       | 184                | 204  | 218  | 234     | 3.8                      | 6.6       | 163                | 166  | 174  | 184     |
| World                         | 2.9                      | 2.0       | 132                | 133  | 130  | 128     | 1.0                      | 0.2       | 112                | 111  | 107  | 103     |

a/ At constant 1980 prices  
b/ Provisional

TABLE 1.5  
SHARE OF MVA IN GDP, SELECTED YEARS  
(Percentage)

| Country group or country/area  | At constant 1980 prices |      |      |      |      |        | At current prices |      |      |      |      |        |
|--------------------------------|-------------------------|------|------|------|------|--------|-------------------|------|------|------|------|--------|
|                                | 1975                    | 1980 | 1985 | 1990 | 1991 | 1992a/ | 1975              | 1980 | 1985 | 1990 | 1991 | 1992a/ |
| Industrialized countries       | 27.0                    | 27.8 | 27.9 | 27.5 | 27.1 | 26.2   | ...               | 27.8 | ...  | ...  | ...  | ...    |
| Eastern Europe and former USSR | 43.1                    | 46.1 | 47.1 | 46.6 | 47.0 | 44.0   | ...               | 46.1 | ...  | ...  | ...  | ...    |
| EC                             | 27.9                    | 27.5 | 26.2 | 26.2 | 24.9 | 24.5   | 29.3              | 27.5 | 25.5 | 24.4 | 23.4 | 22.6   |
| Belgium                        | 22.6                    | 23.0 | 24.9 | 26.4 | 24.7 | 23.8   | 26.5              | 23.0 | 22.3 | 21.5 | 20.9 | 20.8   |
| Denmark                        | 19.6                    | 19.7 | 19.7 | 17.6 | 17.3 | 17.2   | 20.0              | 19.7 | 18.6 | 18.5 | 18.2 | 18.7   |
| France                         | 28.0                    | 28.5 | 23.2 | 22.3 | 21.9 | 21.6   | 27.2              | 26.6 | 23.1 | 22.3 | 21.6 | 21.3   |
| Germany, western part          | 34.8                    | 33.9 | 32.9 | 31.4 | 31.2 | 30.2   | 35.7              | 33.9 | 32.9 | 31.9 | 30.7 | 29.6   |
| Greece                         | 18.8                    | 19.5 | 18.4 | 17.3 | 16.6 | 16.3   | 19.9              | 19.5 | 18.2 | 16.3 | 16.7 | 16.1   |
| Ireland                        | 22.4                    | 24.4 | 27.9 | 27.4 | 26.7 | 26.9   | 21.9              | 24.4 | 28.0 | 28.2 | 28.1 | 28.2   |
| Italy                          | 23.7                    | 27.3 | 26.8 | 27.9 | 27.5 | 27.2   | 26.9              | 27.3 | 23.9 | 22.2 | 20.9 | 20.3   |
| Luxembourg                     | 29.2                    | 27.6 | 29.0 | 26.6 | 26.6 | 26.6   | 27.5              | 27.6 | 26.2 | 26.1 | 23.7 | 23.6   |
| Netherlands                    | 19.8                    | 18.9 | 18.6 | 18.1 | 17.7 | 17.6   | 27.5              | 18.9 | 18.8 | 21.3 | 20.7 | 20.6   |
| Portugal                       | 29.4                    | 26.3 | 27.8 | 27.9 | 27.4 | 26.2   | 33.3              | 29.3 | 28.6 | 27.6 | 26.7 | 26.6   |
| Spain                          | 30.1                    | 27.7 | 26.6 | 24.6 | 23.8 | 23.4   | 31.0              | 27.7 | 26.4 | 26.1 | 23.7 | 21.7   |
| United Kingdom                 | 27.8                    | 26.6 | 22.7 | 20.4 | 20.1 | 20.1   | 27.6              | 26.6 | 22.5 | 19.3 | 18.5 | 18.1   |
| Other Western Europe           | 26.3                    | 24.9 | 24.2 | 23.7 | 23.1 | 23.1   | 27.6              | 24.9 | 22.2 | 23.2 | 22.4 | 22.6   |
| Austria                        | 28.3                    | 29.1 | 29.1 | 29.4 | 29.3 | 28.9   | 30.3              | 29.1 | 28.3 | 27.1 | 26.9 | 26.3   |
| Finland                        | 26.7                    | 27.4 | 27.6 | 27.0 | 26.8 | 27.4   | 26.8              | 27.4 | 24.5 | 21.2 | 18.5 | 19.9   |
| Iceland                        | 17.6                    | 20.3 | 17.6 | 14.7 | 14.9 | 14.1   | 17.7              | 20.3 | 16.6 | 16.6 | 16.5 | 16.5   |
| Norway                         | 23.2                    | 17.3 | 16.8 | 12.7 | 12.0 | 11.8   | 23.9              | 17.3 | 15.3 | 14.6 | 14.4 | 14.3   |
| Sweden                         | 26.4                    | 23.0 | 23.4 | 22.1 | 21.2 | 21.3   | 28.3              | 23.0 | 23.7 | 21.6 | 19.9 | 19.6   |
| Switzerland                    | 28.0                    | 27.0 | 24.9 | 26.3 | 26.3 | 26.3   | 27.7              | 27.0 | 18.5 | 27.1 | 27.0 | 27.5   |
| Japan                          | 26.2                    | 28.2 | 30.7 | 32.1 | 33.0 | 32.3   | 29.1              | 28.2 | 28.4 | 27.5 | 27.6 | 26.6   |
| North America                  | 20.7                    | 21.6 | 22.1 | 22.2 | 21.8 | 21.6   | 22.3              | 21.6 | 19.6 | 18.0 | 17.6 | 17.4   |
| Canada                         | 19.9                    | 19.5 | 19.6 | 18.4 | 17.5 | 17.4   | 20.3              | 19.5 | 19.0 | 18.1 | 17.1 | 17.0   |
| United States of America       | 20.5                    | 21.7 | 22.4 | 22.5 | 22.2 | 22.0   | 22.5              | 21.7 | 19.6 | 18.0 | 17.7 | 17.4   |
| Others                         | 20.3                    | 20.6 | 18.7 | 17.6 | 17.4 | 17.3   | 21.8              | 20.6 | 19.6 | 18.6 | 18.4 | 18.6   |
| Australia                      | 19.5                    | 19.1 | 16.9 | 15.7 | 15.4 | 15.4   | 20.5              | 19.1 | 17.2 | 14.9 | 14.4 | 14.8   |
| Israel                         | 20.9                    | 22.6 | 23.3 | 22.1 | 22.4 | 22.7   | 27.2              | 22.6 | 26.9 | 26.2 | 26.3 | 26.2   |
| New Zealand                    | 22.0                    | 22.1 | 22.6 | 20.0 | 18.6 | 19.1   | 21.6              | 22.1 | 21.0 | 20.1 | 19.8 | 19.5   |
| South Africa                   | 21.2                    | 23.1 | 20.4 | 20.7 | 20.4 | 20.2   | 23.9              | 23.1 | 22.9 | 26.1 | 24.6 | 24.6   |

a/ Provisional.

TABLE 1.5  
(continued)

SHARE OF MVA IN GDP, SELECTED YEARS

(Percentage)

| Country group or country/area | At constant 1980 prices |      |      |      |      |        | At current prices |      |      |      |      |        |
|-------------------------------|-------------------------|------|------|------|------|--------|-------------------|------|------|------|------|--------|
|                               | 1975                    | 1980 | 1985 | 1990 | 1991 | 1992a/ | 1975              | 1980 | 1985 | 1990 | 1991 | 1992a/ |
| Developing countries          | 16.6                    | 18.0 | 19.1 | 20.2 | 19.9 | 19.8   | 18.3              | 18.0 | 18.4 | 19.1 | 18.9 | 18.3   |
| Algeria                       | 7.1                     | 7.8  | 9.5  | 9.7  | 9.7  | 9.3    | 7.2               | 7.8  | 10.5 | 11.4 | 11.2 | 11.8   |
| Angola                        | 4.1                     | 2.6  | 3.5  | 1.6  | 1.6  | ...    | 3.9               | 2.6  | 2.6  | 3.7  | 3.7  | ...    |
| Anguilla                      | 1.1                     | 1.2  | 1.1  | 1.0  | 1.2  | 1.1    | 1.2               | 1.2  | 1.1  | 0.7  | 0.8  | 0.7    |
| Antigua and Barbuda           | 6.9                     | 5.1  | 5.3  | 4.9  | 4.9  | 4.8    | 8.0               | 6.1  | 4.1  | 3.3  | 3.3  | 3.2    |
| Argentina                     | 26.9                    | 25.0 | 22.5 | 22.2 | 23.2 | 23.0   | 30.6              | 25.0 | 25.1 | 22.7 | 20.7 | 18.5   |
| Bahrain                       | 19.8                    | 14.8 | 11.5 | 13.9 | 13.4 | 13.4   | 16.3              | 14.8 | 8.5  | 15.9 | 15.3 | 15.3   |
| Bangladesh                    | 5.1                     | 9.4  | 8.3  | 8.5  | 8.7  | 9.2    | 7.7               | 9.4  | 8.0  | 7.5  | 7.8  | 8.2    |
| Barbados                      | 10.0                    | 11.9 | 10.5 | 10.1 | 10.1 | 9.7    | 10.3              | 11.9 | 10.6 | 8.0  | 8.0  | 8.0    |
| Belize                        | 14.7                    | 14.8 | 13.4 | 11.0 | 10.6 | 10.2   | 8.8               | 14.8 | 10.4 | 9.7  | 8.4  | 8.1    |
| Benin                         | 10.0                    | 6.7  | 4.6  | 5.3  | 5.4  | 5.5    | 10.7              | 6.7  | 4.4  | 6.0  | 4.9  | 5.4    |
| Bermuda                       | 13.7                    | 13.5 | 12.5 | 12.7 | 12.5 | 12.6   | ...               | 13.5 | ...  | ...  | ...  | ...    |
| Bhutan                        | 2.5                     | 3.2  | 4.9  | 6.7  | 6.8  | 7.4    | 2.7               | 3.2  | 5.3  | 8.1  | 8.5  | 8.6    |
| Bolivia                       | 14.3                    | 14.8 | 12.0 | 13.5 | 13.7 | 13.8   | 13.3              | 14.8 | 11.8 | 13.6 | 13.8 | 13.9   |
| Botswana                      | 7.7                     | 4.6  | 3.1  | 3.9  | 3.9  | 3.9    | 8.2               | 4.6  | 5.8  | 4.5  | 4.6  | 4.7    |
| Brazil                        | 29.9                    | 31.0 | 27.5 | 25.8 | 23.0 | 22.4   | 31.6              | 31.0 | 28.7 | 19.1 | 19.1 | 17.4   |
| British Virgin Islands        | 3.3                     | 2.7  | 2.9  | 3.7  | 3.7  | 3.7    | 3.4               | 2.7  | 2.7  | 3.0  | 3.0  | 3.1    |
| Brunei Darussalam             | 13.9                    | 11.7 | 8.8  | 11.2 | 8.4  | 8.5    | 12.3              | 11.7 | 9.3  | 9.3  | 8.6  | 8.6    |
| Burkina Faso                  | 12.6                    | 11.4 | 9.5  | 9.8  | 9.9  | 10.5   | 14.2              | 11.4 | 11.5 | 12.7 | 12.8 | 12.8   |
| Burundi                       | 7.3                     | 9.0  | 8.6  | 9.7  | 9.9  | 10.0   | 7.3               | 9.0  | 12.4 | 18.1 | 19.3 | 20.0   |
| Cambodia                      | 4.4                     | 5.0  | 4.7  | 5.6  | 5.2  | 5.5    | ...               | 5.0  | ...  | ...  | ...  | ...    |
| Cameroon                      | 10.3                    | 9.3  | 12.6 | 17.1 | 17.4 | 17.4   | 10.3              | 9.3  | 11.6 | 15.4 | 17.1 | 17.1   |
| Cape Verde                    | 5.7                     | 5.4  | 6.4  | 5.6  | 5.7  | 5.7    | 5.2               | 5.4  | 6.5  | 6.6  | 6.9  | 7.0    |
| Central African Republic      | 10.9                    | 8.8  | 9.5  | 10.2 | 10.6 | 9.8    | 7.8               | 8.8  | 7.5  | 8.1  | 7.9  | 7.9    |
| Chad                          | 6.9                     | 9.1  | 10.6 | 6.8  | 6.9  | 5.5    | 7.5               | 9.1  | 11.1 | 7.4  | 6.6  | 6.6    |
| Chile                         | 21.1                    | 21.3 | 20.3 | 21.4 | 21.3 | 21.4   | 20.5              | 21.3 | 22.4 | 21.0 | 20.8 | 20.7   |
| Colombia                      | 23.8                    | 23.3 | 21.7 | 21.6 | 21.2 | 21.4   | 23.0              | 23.3 | 21.5 | 20.0 | 19.9 | 19.5   |
| Comoros                       | 5.8                     | 3.6  | 3.9  | 3.8  | 4.5  | 4.7    | 5.7               | 3.6  | 3.9  | 4.5  | 4.7  | 4.8    |
| Congo                         | 7.0                     | 7.7  | 9.2  | 9.3  | 9.7  | 10.9   | 11.2              | 7.7  | 5.7  | 7.2  | 7.8  | 8.8    |
| Costa Rica                    | 17.9                    | 18.6 | 18.6 | 18.5 | 18.7 | 19.3   | 20.4              | 18.6 | 22.1 | 19.1 | 21.6 | 21.8   |
| Cote d'Ivoire                 | 11.4                    | 11.7 | 12.0 | 12.2 | 12.3 | 12.3   | 13.8              | 11.7 | 13.0 | 14.6 | 14.8 | 14.7   |
| Cuba                          | 37.2                    | 34.4 | 41.7 | 39.3 | 40.8 | 40.3   | ...               | 34.4 | ...  | ...  | ...  | ...    |
| Cyprus                        | 16.9                    | 18.2 | 17.4 | 15.5 | 16.6 | 14.6   | 15.9              | 18.2 | 18.4 | 18.0 | 15.3 | 14.6   |
| Djibouti                      | 9.3                     | 9.7  | 8.9  | 8.9  | 8.8  | 9.0    | 8.2               | 9.7  | 8.9  | 10.3 | 10.8 | 11.2   |
| Dominica                      | 3.2                     | 4.6  | 5.5  | 5.6  | 5.4  | 5.4    | 4.6               | 4.6  | 6.2  | 6.6  | 6.4  | 6.4    |
| Dominican Republic            | 15.6                    | 15.3 | 13.7 | 13.4 | 13.4 | 14.0   | 20.9              | 15.3 | 15.7 | 15.2 | 16.2 | 16.9   |
| Ecuador                       | 15.8                    | 17.8 | 16.8 | 15.0 | 14.9 | 15.1   | 16.4              | 17.8 | 19.3 | 20.4 | 21.5 | 23.1   |
| Egypt                         | 14.4                    | 12.5 | 12.2 | 12.7 | 12.7 | 12.7   | 16.2              | 12.5 | 13.7 | 14.3 | 14.5 | 15.2   |
| El Salvador                   | 15.3                    | 15.0 | 14.6 | 15.4 | 15.6 | 15.8   | 19.1              | 15.0 | 15.3 | 18.6 | 18.7 | 18.9   |
| Equatorial Guinea             | 1.0                     | 0.9  | 1.5  | 0.7  | 0.7  | 0.7    | 1.0               | 0.9  | 1.4  | 0.9  | 1.0  | 0.9    |
| Ethiopia                      | 9.8                     | 10.8 | 13.2 | 12.3 | 12.4 | 12.1   | 11.2              | 10.8 | 11.5 | 11.2 | 11.3 | 11.1   |
| Fiji                          | 9.4                     | 11.2 | 10.3 | 10.8 | 11.3 | 10.9   | 11.2              | 11.2 | 8.7  | 10.1 | 10.6 | 10.9   |
| French Guiana                 | 5.8                     | 5.7  | 5.2  | 5.1  | 5.3  | 5.2    | ...               | 5.7  | ...  | ...  | ...  | ...    |

a/ Provisional

TABLE 1.5  
(continued)  
SHARE OF MVA IN GDP, SELECTED YEARS  
(Percentage)

| Country group or country/area | At constant 1980 prices |      |      |      |      |        | At current prices |      |      |      |      |        |
|-------------------------------|-------------------------|------|------|------|------|--------|-------------------|------|------|------|------|--------|
|                               | 1975                    | 1980 | 1985 | 1990 | 1991 | 1992a/ | 1975              | 1980 | 1985 | 1990 | 1991 | 1992a/ |
|                               | French Polynesia        | 7.2  | 6.6  | 8.0  | 6.7  | 6.8    | 6.8               | 6.2  | 6.6  | 8.6  | 6.7  | 7.3    |
| Gabon                         | 7.5                     | 7.0  | 7.6  | 8.0  | 8.1  | 7.7    | 7.6               | 7.0  | 7.7  | 7.7  | 7.9  | 7.8    |
| Gambia                        | 6.6                     | 6.6  | 7.4  | 7.3  | 7.6  | 7.3    | 6.9               | 6.8  | 7.7  | 7.7  | 7.9  | 7.6    |
| Ghana                         | 10.5                    | 7.8  | 6.3  | 6.9  | 6.2  | 6.2    | 14.0              | 7.8  | 11.6 | 10.3 | 9.3  | 9.3    |
| Grenada                       | 3.3                     | 3.8  | 4.1  | 5.0  | 5.1  | 5.2    | 3.6               | 3.8  | 4.9  | 6.3  | 6.3  | 6.3    |
| Gwadeloupe                    | 5.4                     | 6.3  | 4.8  | 5.4  | 5.4  | 5.4    | 5.4               | 6.3  | 6.3  | 6.3  | 6.3  | 6.3    |
| Guatemala                     | 15.1                    | 16.7 | 18.6 | 16.0 | 14.9 | 16.2   | 15.1              | 16.7 | 18.6 | 15.1 | 14.9 | 14.8   |
| Guinea                        | 3.1                     | 3.2  | 3.3  | 4.1  | 4.2  | 4.2    | 4.0               | 3.2  | 6.1  | 6.2  | 6.1  | 6.0    |
| Guinea-Bissau                 | 6.6                     | 7.6  | 6.7  | 3.6  | 3.1  | 3.1    | 6.0               | 7.6  | 7.0  | 3.1  | 3.2  | 2.8    |
| Guyana                        | 9.6                     | 6.6  | 7.7  | 8.1  | 8.0  | 8.0    | 14.7              | 12.1 | 13.9 | 11.6 | 9.6  | 10.2   |
| Haiti                         | 14.2                    | 19.1 | 16.9 | 16.1 | 13.3 | 13.0   | 14.2              | 19.1 | 16.6 | 16.8 | 13.1 | 12.3   |
| Honduras                      | 15.8                    | 15.1 | 15.3 | 17.8 | 17.5 | 18.0   | 15.7              | 16.1 | 15.0 | 17.2 | 17.0 | 17.3   |
| Hong Kong                     | 20.7                    | 24.1 | 22.3 | 17.4 | 15.1 | 14.9   | 26.2              | 24.1 | 22.3 | 17.4 | 16.0 | 14.1   |
| India                         | 16.4                    | 17.7 | 19.4 | 21.1 | 20.3 | 19.7   | 16.7              | 17.7 | 17.9 | 18.6 | 17.8 | 17.2   |
| Indonesia                     | 9.0                     | 13.0 | 16.6 | 22.6 | 23.1 | 23.9   | 9.7               | 13.0 | 16.0 | 20.3 | 21.3 | 21.6   |
| Iran (Islamic Republic of)    | 5.1                     | 4.5  | 8.5  | 10.9 | 11.6 | 11.4   | 8.1               | 8.6  | 7.9  | 11.4 | 12.9 | 12.8   |
| Iraq                          | 3.6                     | 4.5  | 7.2  | 6.6  | 6.6  | 6.6    | 6.6               | 4.5  | 9.6  | 12.4 | 12.9 | 12.8   |
| Jamaica                       | 18.9                    | 16.1 | 17.6 | 16.9 | 16.0 | 16.0   | 16.8              | 16.1 | 19.3 | 16.6 | 17.4 | 16.4   |
| Jordan                        | 12.5                    | 12.1 | 12.6 | 15.6 | 15.6 | 15.7   | 11.3              | 12.1 | 13.8 | 14.1 | 13.2 | 14.1   |
| Kenya                         | 9.9                     | 12.9 | 12.6 | 13.1 | 13.3 | 13.4   | 11.8              | 12.9 | 11.4 | 11.2 | 11.6 | 11.1   |
| Kuwait                        | 4.6                     | 6.2  | 6.9  | 7.4  | 6.6  | 6.9    | 6.2               | 6.2  | 5.3  | 14.6 | 14.6 | 14.9   |
| Lebanon                       | 21.1                    | 12.2 | 10.6 | 9.6  | 9.6  | 9.6    | 16.2              | 12.2 | 13.0 | 13.1 | 13.1 | 13.1   |
| Lesotho                       | 7.0                     | 8.3  | 10.1 | 11.9 | 13.6 | 13.7   | 7.0               | 6.3  | 10.4 | 12.9 | 16.3 | 16.7   |
| Liberia                       | 9.2                     | 9.6  | 10.0 | 10.6 | 10.7 | 10.9   | 6.5               | 6.6  | 6.6  | 6.9  | 7.3  | 7.4    |
| Libyan Arab Jamahiriya        | 1.1                     | 1.9  | 4.6  | 5.3  | 5.3  | 5.8    | 1.8               | 1.9  | 4.5  | 7.9  | 7.9  | 8.6    |
| Madagascar                    | 12.0                    | 11.5 | 8.2  | 7.7  | 7.9  | 7.6    | 11.2              | 11.5 | 10.2 | 11.1 | 10.9 | 10.9   |
| Malawi                        | 15.2                    | 13.4 | 13.0 | 14.9 | 13.6 | 13.5   | 10.2              | 13.4 | 13.3 | 9.3  | 6.4  | 9.4    |
| Malaysia                      | 17.9                    | 20.6 | 20.2 | 26.9 | 28.1 | 28.7   | 17.8              | 20.6 | 20.3 | 27.1 | 28.4 | 30.3   |
| Maldives                      | 2.9                     | 4.4  | 6.1  | 6.5  | 6.5  | 6.5    | 4.6               | 4.4  | 5.6  | 5.7  | 6.0  | 6.1    |
| Malta                         | 4.7                     | 4.4  | 7.9  | 7.6  | 7.6  | 8.3    | 4.6               | 4.4  | 7.6  | 8.3  | 7.1  | 6.8    |
| Martinique                    | 34.6                    | 36.6 | 31.9 | 29.4 | 27.9 | 28.0   | 33.8              | 36.6 | 32.6 | 29.9 | 29.9 | 29.6   |
| Mauritania                    | 6.9                     | 5.1  | 5.8  | 7.2  | 4.2  | 4.0    | 5.1               | 5.1  | 12.9 | 12.0 | 12.2 | 12.6   |
| Mauritius                     | 4.2                     | 5.6  | 8.2  | 7.8  | 6.1  | 6.8    | 4.9               | 6.6  | 20.3 | 22.9 | 22.5 | 22.3   |
| Mexico                        | 17.7                    | 15.0 | 18.0 | 21.4 | 21.6 | 21.4   | 18.1              | 16.0 | 20.3 | 22.9 | 22.5 | 22.3   |
| Mexico                        | 21.4                    | 21.9 | 21.1 | 22.6 | 22.6 | 22.4   | 21.7              | 21.9 | 23.1 | 22.5 | 22.0 | 20.2   |
| Mongolia                      | 19.5                    | 25.0 | 27.5 | 25.4 | 25.4 | 23.6   | 25.4              | 25.0 | 23.1 | 22.5 | 22.0 | 20.2   |
| Montserrat                    | 3.8                     | 5.7  | 6.9  | 6.4  | 6.4  | 6.9    | 6.3               | 6.7  | 6.7  | 6.8  | 6.8  | 6.8    |
| Morocco                       | 20.6                    | 17.8 | 18.7 | 18.6 | 17.6 | 18.0   | 17.4              | 17.6 | 18.4 | 20.0 | 18.9 | 19.6   |
| Myanmar                       | 9.8                     | 9.5  | 9.9  | 9.0  | 8.8  | 9.0    | 9.0               | 9.6  | 9.6  | 7.4  | 6.9  | 7.0    |
| Namibia                       | 4.9                     | 3.9  | 4.6  | 3.6  | 3.3  | 3.4    | 5.1               | 3.9  | 4.6  | 4.1  | 4.1  | 4.4    |
| Nepal                         | 4.4                     | 4.5  | 4.9  | 6.3  | 6.4  | 6.4    | 4.4               | 4.4  | 5.6  | 5.6  | 6.7  | 6.9    |
| Netherlands Antilles          | 7.7                     | 8.5  | 6.8  | 6.8  | 6.8  | 7.1    | 6.8               | 6.8  | 6.8  | 6.8  | 6.8  | 6.8    |
| New Caledonia                 | 6.3                     | 5.6  | 4.7  | 4.4  | 4.4  | 4.4    | 6.3               | 6.3  | 4.7  | 4.4  | 4.4  | 4.4    |
| Nicaragua                     | 20.4                    | 23.6 | 23.3 | 16.1 | 17.6 | 16.6   | 22.6              | 23.6 | 25.6 | 14.4 | 16.0 | 16.0   |

a/ Provisional

TABLE 1.5  
(continued)

SHARE OF MVA IN GDP, SELECTED YEARS

(Percentage)

| Country group or country/area  | At constant 1980 prices |      |      |      |      |                    | At current prices |      |      |      |      |                    |
|--------------------------------|-------------------------|------|------|------|------|--------------------|-------------------|------|------|------|------|--------------------|
|                                | 1975                    | 1980 | 1985 | 1990 | 1991 | 1992 <sup>a/</sup> | 1975              | 1980 | 1985 | 1990 | 1991 | 1992 <sup>a/</sup> |
| Niger                          | 7.9                     | 3.8  | 7.4  | 7.9  | 7.8  | 8.0                | 7.9               | 3.8  | 7.4  | 8.6  | 8.6  | 8.8                |
| Nigeria                        | 3.0                     | 6.0  | 6.1  | 6.0  | 6.1  | 6.0                | 5.3               | 6.0  | 6.2  | 3.3  | 3.6  | 3.0                |
| Oman                           | 0.2                     | 0.8  | 2.1  | 2.6  | 2.4  | 2.4                | 0.3               | 0.8  | 2.4  | 3.7  | 4.2  | 4.2                |
| Pakistan                       | 13.5                    | 15.1 | 16.7 | 17.7 | 17.9 | 18.0               | 13.6              | 16.1 | 16.3 | 17.6 | 17.6 | 18.1               |
| Panama                         | 11.3                    | 10.7 | 9.0  | 9.6  | 9.4  | 9.3                | 13.7              | 10.7 | 8.9  | 8.7  | 8.8  | 8.9                |
| Papua New Guinea               | 8.6                     | 9.8  | 10.1 | 8.0  | 8.6  | 8.1                | 8.6               | 9.6  | 10.1 | 8.4  | 9.0  | 8.6                |
| Paraguay                       | 15.6                    | 16.6 | 15.5 | 15.3 | 15.1 | 14.8               | 15.6              | 16.6 | 16.2 | 17.3 | 17.0 | 17.1               |
| Peru                           | 21.9                    | 20.4 | 18.3 | 18.2 | 18.9 | 20.1               | 20.2              | 20.4 | 24.1 | 27.2 | 26.1 | 26.1               |
| Philippines                    | 24.6                    | 24.4 | 21.9 | 22.4 | 22.4 | 22.0               | 24.4              | 24.4 | 23.9 | 23.7 | 24.1 | 23.2               |
| Puerto Rico                    | 31.9                    | 37.6 | 36.6 | 33.6 | 32.7 | 32.3               | 32.2              | 37.6 | 39.2 | 39.3 | 38.7 | 38.3               |
| Qatar                          | 2.6                     | 3.3  | 6.0  | 7.3  | 6.6  | 6.9                | 2.6               | 3.3  | 7.8  | 11.6 | 10.6 | 10.9               |
| Republic of Korea              | 22.7                    | 29.6 | 32.9 | 36.2 | 36.2 | 36.2               | 26.2              | 29.6 | 30.3 | 28.7 | 27.3 | 26.9               |
| Reunion                        | 7.6                     | 9.8  | 10.0 | 10.8 | 9.7  | 9.6                | ...               | 9.8  | ...  | ...  | ...  | ...                |
| Rwanda                         | 14.3                    | 15.8 | 14.1 | 13.0 | 13.1 | 13.2               | 12.4              | 16.8 | 16.3 | 15.1 | 16.3 | 16.3               |
| Saint Lucia                    | 7.4                     | 8.9  | 9.3  | 8.4  | 8.4  | 8.1                | 6.7               | 8.9  | 8.0  | 6.7  | 6.7  | 6.4                |
| Samoa                          | 20.0                    | 17.0 | 17.6 | 17.6 | 18.2 | 17.1               | 17.0              | 17.0 | 12.3 | 12.8 | 14.8 | 14.2               |
| Sao Tome and Principe          | 10.0                    | 9.0  | 9.3  | 6.3  | 6.3  | 6.2                | 12.6              | 9.0  | 9.4  | ...  | ...  | ...                |
| Saudi Arabia                   | 4.6                     | 6.0  | 11.8 | 11.6 | 11.0 | 11.6               | 6.3               | 6.0  | 7.8  | 6.6  | 8.6  | 8.6                |
| Senegal                        | 13.9                    | 14.7 | 16.9 | 17.6 | 17.7 | 17.7               | 13.6              | 14.7 | 17.8 | 18.2 | 18.2 | 17.8               |
| Seychelles                     | 5.2                     | 6.0  | 8.4  | 10.6 | 10.7 | 11.1               | 4.8               | 6.0  | 10.6 | 11.7 | 11.9 | 11.6               |
| Sierra Leone                   | 7.5                     | 7.5  | 6.2  | 3.8  | 2.9  | 3.0                | 7.9               | 7.6  | 4.8  | 7.0  | 8.7  | 9.9                |
| Singapore                      | 25.0                    | 28.0 | 21.7 | 26.6 | 26.2 | 26.4               | 23.3              | 28.0 | 22.0 | 27.8 | 27.3 | 26.1               |
| Solomon Islands                | 3.2                     | 3.6  | 2.9  | 3.0  | 3.0  | 3.0                | 3.8               | 3.6  | 4.2  | 3.8  | 3.8  | 3.7                |
| Somalia                        | 3.1                     | 4.7  | 3.4  | 3.8  | 4.6  | 4.0                | 3.7               | 4.7  | 4.9  | 2.1  | 2.6  | ...                |
| Sri Lanka                      | 23.2                    | 19.0 | 18.6 | 19.9 | 20.3 | 21.2               | 24.9              | 19.0 | 17.6 | 18.3 | 17.9 | 18.6               |
| St. Kitts and Nevis            | 16.9                    | 14.3 | 10.2 | 7.4  | 7.2  | 7.1                | 16.6              | 14.3 | 11.9 | 13.6 | 13.6 | 13.6               |
| St. Vincent and the Grenadines | 6.2                     | 10.0 | 9.3  | 7.6  | 7.6  | 7.6                | 6.9               | 10.0 | 10.9 | 8.1  | 8.1  | 7.8                |
| Sudan                          | 13.1                    | 9.1  | 9.9  | 10.3 | 10.9 | 10.9               | 9.6               | 9.1  | 9.3  | 8.7  | 8.2  | 7.9                |
| Suriname                       | 20.6                    | 17.6 | 14.4 | 11.6 | 10.2 | 9.9                | 20.0              | 17.6 | 12.6 | 10.4 | 8.6  | 7.4                |
| Swaziland                      | 18.8                    | 21.3 | 20.6 | 26.3 | 26.9 | 29.8               | 14.2              | 21.3 | 16.1 | 23.3 | 23.9 | 26.1               |
| Syrian Arab Republic           | 3.7                     | 3.6  | 4.3  | 3.0  | 2.9  | 2.9                | 7.4               | 3.6  | 7.7  | 6.3  | 6.6  | 6.1                |
| Taiwan Province                | 30.5                    | 36.2 | 37.7 | 34.7 | 34.0 | 32.7               | 31.7              | 36.2 | 36.9 | 33.0 | 32.4 | 31.6               |
| Thailand                       | 19.4                    | 21.3 | 20.4 | 26.6 | 26.6 | 27.2               | 18.6              | 21.3 | 21.7 | 27.0 | 27.8 | 27.8               |
| Togo                           | 8.7                     | 8.6  | 7.7  | 7.9  | 7.9  | 7.6                | 8.7               | 8.6  | 7.2  | 8.2  | 8.1  | 7.7                |
| Tonga                          | 6.2                     | 6.0  | 3.9  | 4.3  | 3.6  | 3.6                | 6.2               | 6.0  | 8.0  | 9.4  | 9.4  | 9.6                |
| Trinidad and Tobago            | 8.7                     | 8.6  | 8.3  | 9.2  | 10.0 | 9.9                | 14.6              | 8.6  | 8.4  | 14.6 | 14.4 | 16.3               |
| Tunisia                        | 10.1                    | 13.6 | 16.4 | 17.2 | 17.6 | 17.8               | 10.3              | 13.6 | 13.6 | 16.3 | 16.8 | 16.8               |
| Turkey                         | 24.3                    | 22.6 | 26.4 | 27.4 | 27.8 | 27.9               | 20.1              | 22.6 | 23.6 | 26.6 | 26.6 | 26.1               |
| Turks and Caicos Islands       | 1.5                     | 1.4  | 1.3  | 1.3  | 1.3  | 1.3                | ...               | 1.4  | ...  | ...  | ...  | ...                |
| Uganda                         | 6.6                     | 4.1  | 3.7  | 4.9  | 6.3  | 6.6                | ...               | 4.1  | ...  | ...  | ...  | ...                |
| United Arab Emirates           | 0.9                     | 3.7  | 9.1  | 7.7  | 8.2  | 8.3                | 0.9               | 3.7  | 9.0  | 7.2  | 7.8  | 8.2                |
| United Republic of Tanzania    | 10.8                    | 10.7 | 7.9  | 7.2  | 7.3  | 7.1                | 11.7              | 10.7 | 6.1  | 4.3  | 3.4  | 4.7                |
| Uruguay                        | 26.6                    | 26.9 | 22.6 | 22.6 | 22.6 | 22.0               | 24.8              | 26.9 | 26.2 | 23.6 | 22.9 | 20.0               |
| US Virgin Islands              | 6.1                     | 6.0  | 6.6  | 6.4  | 6.4  | 6.6                | ...               | 6.0  | ...  | ...  | ...  | ...                |

a/ Provisional.

TABLE 15  
(continued)

SHARE OF MVA IN GDP, SELECTED YEARS

(Percentage)

| Country group or country/area | At constant 1980 prices |      |      |      |      |                    | At current prices |      |      |      |      |                    |
|-------------------------------|-------------------------|------|------|------|------|--------------------|-------------------|------|------|------|------|--------------------|
|                               | 1975                    | 1980 | 1985 | 1990 | 1991 | 1992 <sup>a/</sup> | 1975              | 1980 | 1985 | 1990 | 1991 | 1992 <sup>a/</sup> |
| Vanuatu                       | 1.8                     | 3.0  | 5.4  | 9.0  | 8.9  | 10.2               | 3.0               | 3.0  | 3.9  | 5.7  | 5.7  | 5.9                |
| Venezuela                     | 14.0                    | 15.8 | 18.0 | 16.8 | 17.2 | 18.0               | 15.6              | 15.8 | 19.3 | 17.6 | 17.1 | 17.3               |
| Yemen                         | 6.4                     | 6.6  | 9.4  | 7.4  | 7.7  | 7.6                | 6.5               | 6.6  | 11.9 | 9.1  | 10.4 | 10.4               |
| Yugoslavia (former)           | 31.0                    | 31.4 | 34.0 | 33.7 | ...  | ...                | 31.0              | 31.4 | 38.2 | 32.0 | ...  | ...                |
| Zaire                         | 3.7                     | 3.0  | 2.5  | 2.3  | 2.2  | 2.2                | 9.5               | 3.0  | 1.6  | 1.4  | 1.4  | 1.2                |
| Zambia                        | 18.9                    | 19.0 | 20.3 | 26.2 | 23.9 | 24.0               | 19.7              | 19.0 | 28.4 | 32.4 | ...  | ...                |
| Zimbabwe                      | 22.6                    | 24.1 | 23.0 | 24.7 | 24.6 | 24.1               | 22.9              | 24.1 | 22.2 | 24.9 | 26.0 | 26.7               |
| Low income                    | 14.3                    | 15.5 | 16.9 | 19.2 | 19.2 | 19.3               | 14.7              | 15.5 | 16.2 | 18.0 | 18.2 | 18.4               |
| Middle income                 | 14.9                    | 16.2 | 18.3 | 20.9 | 21.2 | 21.3               | 15.9              | 16.2 | 17.9 | 22.6 | 22.6 | 22.6               |
| High income                   | 18.1                    | 19.6 | 20.4 | 20.3 | 19.7 | 19.4               | 20.8              | 19.6 | 19.7 | 18.3 | 18.1 | 17.1               |
| Africa                        | 7.5                     | 8.1  | 9.3  | 9.6  | 9.6  | 9.5                | 9.4               | 8.1  | 9.8  | 11.7 | 11.7 | 12.4               |
| North Africa                  | 8.9                     | 8.8  | 10.8 | 11.4 | 11.3 | 11.4               | 10.1              | 8.8  | 11.5 | 12.6 | 12.5 | 13.6               |
| Maghreb                       | 11.1                    | 11.1 | 12.5 | 12.9 | 12.9 | 12.8               | 10.7              | 11.1 | 12.2 | 14.6 | 15.6 | 16.0               |
| Central Africa                | 6.8                     | 6.7  | 8.4  | 9.0  | 9.1  | 9.1                | 8.8               | 6.7  | 8.0  | 10.1 | 10.9 | 11.0               |
| CEPL                          | 5.1                     | 5.4  | 5.0  | 4.9  | 5.0  | 5.3                | 9.7               | 5.4  | 7.6  | 8.3  | 8.0  | 8.4                |
| UDEAC                         | 8.7                     | 8.4  | 10.8 | 12.9 | 13.1 | 13.0               | 9.1               | 8.4  | 9.7  | 12.8 | 13.1 | 13.0               |
| Western Africa (ECDWAS)       | 4.7                     | 6.0  | 6.4  | 6.1  | 6.1  | 6.1                | 6.8               | 6.0  | 6.4  | 8.1  | 8.1  | 8.3                |
| CEAO                          | 10.6                    | 10.1 | 11.1 | 11.3 | 11.4 | 11.6               | 11.9              | 10.1 | 12.2 | 13.3 | 13.3 | 13.3               |
| MARIUN                        | 5.7                     | 5.7  | 5.5  | 5.1  | 4.9  | 4.9                | 5.6               | 5.7  | 5.4  | 6.7  | 7.3  | 7.8                |
| Eastern and southern Africa   | 12.5                    | 12.8 | 12.4 | 13.2 | 13.1 | 12.9               | 13.8              | 12.8 | 12.6 | 14.5 | 14.7 | 15.1               |
| PTA                           | 10.8                    | 10.8 | 10.9 | 11.6 | 11.6 | 11.6               | 12.3              | 10.8 | 10.8 | 11.9 | 12.3 | 13.9               |
| SADCC                         | 13.9                    | 13.8 | 13.4 | 14.2 | 13.6 | 13.3               | 15.1              | 13.8 | 12.0 | 13.6 | 15.3 | 16.0               |
| Latin America                 | 24.1                    | 24.4 | 22.8 | 22.5 | 21.8 | 21.6               | 25.4              | 24.4 | 24.4 | 20.9 | 20.7 | 19.3               |
| LAIA                          | 24.5                    | 24.7 | 22.9 | 22.6 | 22.0 | 21.8               | 25.8              | 24.7 | 24.7 | 20.7 | 20.4 | 19.0               |
| Andean group                  | 17.8                    | 18.6 | 18.8 | 18.2 | 18.3 | 18.9               | 18.2              | 18.6 | 20.2 | 21.0 | 20.6 | 20.6               |
| CACM                          | 16.4                    | 17.2 | 16.9 | 16.4 | 16.5 | 16.8               | 17.9              | 17.2 | 18.2 | 17.1 | 17.6 | 17.6               |
| CARICOM                       | 12.2                    | 10.8 | 11.0 | 11.6 | 11.7 | 11.6               | 14.9              | 10.8 | 10.6 | 14.1 | 13.4 | 13.9               |
| OECS                          | 6.9                     | 7.4  | 7.2  | 6.5  | 6.4  | 6.4                | 7.5               | 7.4  | 7.1  | 6.4  | 6.3  | 6.2                |
| South and East Asia           | 14.3                    | 18.6 | 20.1 | 23.1 | 23.1 | 23.0               | 16.2              | 18.6 | 18.6 | 19.6 | 19.3 | 18.6               |
| ASEAN                         | 16.2                    | 18.5 | 19.6 | 23.9 | 24.6 | 25.1               | 16.3              | 18.5 | 19.3 | 24.2 | 25.0 | 25.1               |
| Bangkok Agreement             | 17.4                    | 20.3 | 22.8 | 25.7 | 25.6 | 25.2               | 17.9              | 20.3 | 21.1 | 22.6 | 22.1 | 21.8               |
| West Asia and Europe          | 12.2                    | 11.8 | 16.9 | 17.3 | 16.4 | 15.8               | 13.8              | 11.8 | 14.1 | 18.2 | 18.0 | ...                |
| Least developed countries     | 9.2                     | 8.8  | 8.6  | 8.5  | 8.5  | 8.7                | 9.2               | ...  | 9.3  | 8.9  | 8.9  | 9.0                |
| African LDCs                  | 9.3                     | 8.5  | 8.4  | 8.6  | 8.6  | 8.6                | 10.1              | 8.5  | 9.4  | 9.9  | 10.0 | 10.1               |
| NICs                          | 24.6                    | 25.8 | 25.2 | 25.8 | 25.0 | 24.5               | 25.8              | 25.8 | 25.9 | 23.3 | 22.9 | 21.8               |
| Second-generation NICs        | 15.8                    | 19.4 | 20.9 | 23.9 | 24.3 | 24.9               | 17.6              | 19.4 | 20.2 | 23.9 | 24.4 | 24.6               |
| World                         | 25.1                    | 25.9 | 26.2 | 26.1 | 25.7 | 24.9               | ...               | 25.9 | ...  | ...  | ...  | ...                |

a/ Provisional

NEXT PAGE(S) left BLANK.

Section 1.2

**THE MANUFACTURING BRANCHES**

TABLE 1.6

DISTRIBUTION OF WORLD VALUE ADDED, SELECTED BRANCHES AND YEARS <sup>a/</sup>

(Percentage)

| Branch (ISIC)                  | Year | Industrialized countries |                                |                |       |       |               |        | Developing countries |      |        | World |
|--------------------------------|------|--------------------------|--------------------------------|----------------|-------|-------|---------------|--------|----------------------|------|--------|-------|
|                                |      | All countries            | Eastern Europe and former USSR | Western Europe |       | Japan | North America | Others | All countries        | NICs | Others |       |
|                                |      |                          |                                | EC b/          | Other |       |               |        |                      |      |        |       |
| Food products (311/2)          | 1980 | 81.7                     | 27.8                           | 26.1           | 3.3   | 7.4   | 14.7          | 2.4    | 18.3                 | 9.4  | 8.9    | 100.0 |
|                                | 1985 | 81.2                     | 28.5                           | 25.3           | 3.3   | 6.9   | 14.8          | 2.4    | 18.8                 | 9.4  | 9.4    | 100.0 |
|                                | 1990 | 81.1                     | 28.3                           | 25.9           | 3.1   | 6.6   | 14.8          | 2.5    | 18.9                 | 9.1  | 9.8    | 100.0 |
|                                | 1992 | 78.9                     | 19.2                           | 30.9           | 3.3   | 7.0   | 15.8          | 2.7    | 21.1                 | 9.9  | 11.2   | 100.0 |
| Beverages (313)                | 1980 | 82.4                     | 29.9                           | 27.4           | 2.6   | 7.5   | 13.0          | 2.0    | 17.6                 | 7.2  | 10.4   | 100.0 |
|                                | 1985 | 81.5                     | 26.3                           | 28.9           | 2.8   | 7.4   | 13.7          | 2.4    | 18.5                 | 7.4  | 11.1   | 100.0 |
|                                | 1990 | 79.1                     | 21.6                           | 31.0           | 3.1   | 7.1   | 13.9          | 2.4    | 20.9                 | 7.9  | 13.0   | 100.0 |
|                                | 1992 | 76.9                     | 17.0                           | 32.8           | 3.3   | 7.2   | 14.2          | 2.4    | 23.1                 | 8.3  | 14.8   | 100.0 |
| Tobacco (314)                  | 1980 | 67.7                     | 18.0                           | 23.1           | 2.0   | 6.5   | 16.9          | 1.2    | 32.3                 | 8.4  | 23.9   | 100.0 |
|                                | 1985 | 62.6                     | 19.0                           | 20.7           | 1.6   | 5.7   | 14.6          | 1.1    | 37.4                 | 8.4  | 29.0   | 100.0 |
|                                | 1990 | 59.4                     | 16.9                           | 20.1           | 1.4   | 5.4   | 14.4          | 1.2    | 40.6                 | 8.3  | 32.3   | 100.0 |
|                                | 1992 | 58.7                     | 13.5                           | 21.7           | 1.5   | 5.7   | 15.2          | 1.1    | 41.3                 | 8.5  | 32.8   | 100.0 |
| Textiles (321)                 | 1980 | 78.0                     | 32.1                           | 23.1           | 2.0   | 7.4   | 11.8          | 1.6    | 22.0                 | 13.2 | 8.8    | 100.0 |
|                                | 1985 | 76.5                     | 33.0                           | 21.3           | 1.9   | 7.2   | 11.6          | 1.6    | 23.6                 | 13.4 | 10.1   | 100.0 |
|                                | 1990 | 75.2                     | 31.7                           | 21.2           | 1.8   | 6.4   | 12.7          | 1.4    | 24.8                 | 13.6 | 11.3   | 100.0 |
|                                | 1992 | 72.5                     | 22.2                           | 25.4           | 1.9   | 6.8   | 14.7          | 1.5    | 27.5                 | 14.5 | 13.0   | 100.0 |
| Wearing apparel (322)          | 1980 | 84.9                     | 29.6                           | 27.3           | 2.8   | 4.6   | 18.7          | 2.0    | 15.1                 | 9.4  | 6.7    | 100.0 |
|                                | 1985 | 83.5                     | 32.3                           | 24.8           | 2.5   | 4.6   | 17.3          | 2.0    | 16.5                 | 10.9 | 6.6    | 100.0 |
|                                | 1990 | 81.8                     | 33.3                           | 22.4           | 1.8   | 4.2   | 18.3          | 1.8    | 18.2                 | 11.7 | 6.6    | 100.0 |
|                                | 1992 | 80.2                     | 26.6                           | 26.1           | 1.8   | 4.6   | 20.3          | 1.9    | 19.8                 | 11.8 | 8.0    | 100.0 |
| Leather and fur products (323) | 1980 | 82.2                     | 29.5                           | 33.4           | 2.4   | 4.7   | 10.6          | 1.8    | 17.8                 | 11.1 | 6.7    | 100.0 |
|                                | 1985 | 80.2                     | 29.3                           | 33.9           | 2.3   | 4.2   | 8.6           | 1.9    | 19.8                 | 13.0 | 6.8    | 100.0 |
|                                | 1990 | 78.6                     | 28.6                           | 32.4           | 2.3   | 4.5   | 9.2           | 1.6    | 21.4                 | 13.3 | 8.1    | 100.0 |
|                                | 1992 | 77.1                     | 19.4                           | 39.4           | 2.4   | 5.1   | 9.0           | 1.8    | 22.9                 | 13.3 | 9.6    | 100.0 |
| Footwear (324)                 | 1980 | 81.9                     | 28.2                           | 36.6           | 3.2   | 2.3   | 10.5          | 2.1    | 18.1                 | 11.7 | 6.4    | 100.0 |
|                                | 1985 | 80.9                     | 32.9                           | 32.5           | 3.2   | 2.5   | 7.6           | 2.2    | 19.1                 | 12.8 | 6.3    | 100.0 |
|                                | 1990 | 80.2                     | 37.7                           | 29.5           | 2.4   | 2.7   | 5.9           | 2.0    | 19.8                 | 13.2 | 6.6    | 100.0 |
|                                | 1992 | 78.8                     | 29.9                           | 35.0           | 2.5   | 3.3   | 6.1           | 2.0    | 21.2                 | 12.9 | 8.3    | 100.0 |
| Wood and cork products (331)   | 1980 | 85.2                     | 14.0                           | 21.0           | 8.0   | 11.0  | 28.5          | 2.7    | 14.8                 | 8.5  | 6.3    | 100.0 |
|                                | 1985 | 84.8                     | 15.1                           | 16.8           | 7.4   | 8.2   | 34.8          | 2.5    | 15.2                 | 9.3  | 6.9    | 100.0 |
|                                | 1990 | 83.9                     | 13.2                           | 17.8           | 7.5   | 7.6   | 35.4          | 2.4    | 15.1                 | 8.3  | 7.8    | 100.0 |
|                                | 1992 | 83.2                     | 10.2                           | 20.3           | 6.9   | 7.3   | 36.0          | 2.5    | 16.8                 | 8.3  | 8.6    | 100.0 |

a/ At constant 1980 prices

b/ In 1992 including estimates for the eastern part of Germany



TABLE 1.6  
(continued)

DISTRIBUTION OF WORLD VALUE ADDED, SELECTED BRANCHES AND YEARS<sup>a/</sup>

(Percentage)

| Branch (ISIC)                      | Year | Industrialized countries |                                |                  |       |       |               |        | Developing countries |      |        | World |
|------------------------------------|------|--------------------------|--------------------------------|------------------|-------|-------|---------------|--------|----------------------|------|--------|-------|
|                                    |      | All countries            | Eastern Europe and former USSR | Western Europe   |       | Japan | North America | Others | All countries        | NICs | Others |       |
|                                    |      |                          |                                | EC <sup>b/</sup> | Other |       |               |        |                      |      |        |       |
| Paper (341)                        | 1980 | 89.5                     | 7.3                            | 24.6             | 10.2  | 10.8  | 34.4          | 2.2    | 10.5                 | 6.7  | 3.8    | 100.0 |
|                                    | 1985 | 88.9                     | 7.8                            | 23.3             | 10.2  | 10.8  | 34.6          | 2.2    | 11.1                 | 7.2  | 3.9    | 100.0 |
|                                    | 1990 | 88.4                     | 6.5                            | 24.1             | 9.8   | 11.9  | 34.1          | 2.0    | 11.6                 | 7.4  | 4.2    | 100.0 |
|                                    | 1992 | 87.4                     | 4.4                            | 25.2             | 9.8   | 11.9  | 34.1          | 2.0    | 12.6                 | 7.9  | 4.7    | 100.0 |
| Industrial chemicals (351)         | 1980 | 88.6                     | 25.4                           | 31.5             | 3.1   | 8.7   | 20.1          | 1.8    | 11.4                 | 7.2  | 4.2    | 100.0 |
|                                    | 1985 | 85.8                     | 25.1                           | 30.2             | 3.2   | 6.1   | 19.6          | 1.6    | 14.2                 | 8.7  | 5.6    | 100.0 |
|                                    | 1990 | 84.3                     | 22.9                           | 28.8             | 3.0   | 6.7   | 21.3          | 1.6    | 15.7                 | 9.5  | 6.2    | 100.0 |
|                                    | 1992 | 82.3                     | 12.2                           | 35.5             | 3.0   | 7.1   | 22.9          | 1.6    | 17.7                 | 11.0 | 6.7    | 100.0 |
| Other chemicals (352)              | 1980 | 81.7                     | 12.7                           | 28.9             | 3.6   | 9.9   | 24.4          | 2.2    | 18.3                 | 10.6 | 7.7    | 100.0 |
|                                    | 1985 | 81.6                     | 12.5                           | 28.2             | 3.5   | 10.4  | 24.9          | 2.1    | 18.4                 | 10.8 | 7.6    | 100.0 |
|                                    | 1990 | 80.7                     | 10.4                           | 28.5             | 3.3   | 11.5  | 24.9          | 2.1    | 19.3                 | 11.6 | 7.7    | 100.0 |
|                                    | 1992 | 79.8                     | 7.1                            | 30.3             | 3.4   | 11.5  | 25.4          | 2.1    | 20.2                 | 12.0 | 8.2    | 100.0 |
| Petroleum refineries (353)         | 1980 | 70.8                     | 16.3                           | 26.2             | 1.7   | 5.4   | 19.8          | 1.4    | 29.2                 | 6.9  | 22.3   | 100.0 |
|                                    | 1985 | 64.5                     | 17.0                           | 20.7             | 1.9   | 4.6   | 18.8          | 1.6    | 35.5                 | 7.3  | 28.2   | 100.0 |
|                                    | 1990 | 59.9                     | 14.8                           | 19.0             | 1.9   | 4.5   | 18.3          | 1.4    | 40.1                 | 7.9  | 32.2   | 100.0 |
|                                    | 1992 | 57.6                     | 8.6                            | 22.6             | 2.0   | 4.9   | 18.1          | 1.4    | 42.4                 | 8.4  | 34.0   | 100.0 |
| Prods. of petroleum and coal (354) | 1980 | 87.8                     | 60.0                           | 13.0             | 1.3   | 3.4   | 8.9           | 1.2    | 12.2                 | 6.7  | 5.5    | 100.0 |
|                                    | 1985 | 85.2                     | 61.1                           | 10.6             | 1.3   | 3.1   | 7.8           | 1.3    | 14.8                 | 8.5  | 6.1    | 100.0 |
|                                    | 1990 | 84.0                     | 61.8                           | 9.0              | 1.1   | 2.6   | 8.2           | 1.3    | 16.0                 | 8.2  | 7.8    | 100.0 |
|                                    | 1992 | 78.8                     | 51.3                           | 11.8             | 1.2   | 2.9   | 9.9           | 1.7    | 21.2                 | 10.9 | 10.3   | 100.0 |
| Rubber products (355)              | 1980 | 83.7                     | 24.1                           | 31.2             | 2.5   | 8.6   | 15.2          | 2.1    | 16.3                 | 10.4 | 5.9    | 100.0 |
|                                    | 1985 | 83.5                     | 25.4                           | 27.9             | 2.4   | 8.7   | 17.4          | 1.7    | 16.5                 | 10.6 | 6.0    | 100.0 |
|                                    | 1990 | 81.1                     | 19.8                           | 23.9             | 2.1   | 9.5   | 18.7          | 2.1    | 18.9                 | 10.6 | 8.3    | 100.0 |
|                                    | 1992 | 78.2                     | 11.8                           | 32.4             | 2.0   | 9.5   | 20.4          | 2.1    | 21.8                 | 11.2 | 10.6   | 100.0 |
| Plastic products (356)             | 1980 | 86.4                     | 8.9                            | 35.9             | 3.7   | 15.0  | 20.1          | 2.8    | 13.6                 | 9.6  | 4.0    | 100.0 |
|                                    | 1985 | 86.5                     | 9.1                            | 34.5             | 3.4   | 14.2  | 22.8          | 2.5    | 13.5                 | 10.1 | 3.4    | 100.0 |
|                                    | 1990 | 87.2                     | 7.0                            | 38.2             | 3.1   | 14.0  | 22.6          | 2.3    | 12.8                 | 9.4  | 3.4    | 100.0 |
|                                    | 1992 | 86.8                     | 4.9                            | 39.9             | 2.8   | 13.5  | 23.3          | 2.4    | 13.2                 | 9.4  | 3.8    | 100.0 |
| Pottery, china, earthenware (361)  | 1980 | 86.5                     | 22.3                           | 46.5             | 2.4   | 7.9   | 6.6           | 0.8    | 13.5                 | 9.1  | 4.4    | 100.0 |
|                                    | 1985 | 85.8                     | 26.3                           | 40.9             | 2.6   | 7.6   | 7.5           | 0.9    | 14.2                 | 9.9  | 4.3    | 100.0 |
|                                    | 1990 | 85.3                     | 25.0                           | 42.2             | 2.3   | 7.9   | 7.0           | 0.9    | 14.7                 | 9.6  | 5.1    | 100.0 |
|                                    | 1992 | 82.6                     | 18.7                           | 45.5             | 2.2   | 8.3   | 6.9           | 1.0    | 17.4                 | 10.8 | 6.6    | 100.0 |

a/ At constant 1980 prices

b/ In 1992 including estimates for the eastern part of Germany

TABLE 1.6  
(continued)

DISTRIBUTION OF WORLD VALUE ADDED, SELECTED BRANCHES AND YEARS<sup>a/</sup>

(Percentage)

| Branch (ISIC)                          | Year | Industrialized countries |                                |                |       |       |               |        | Developing countries |      |        | world |
|--|------|--------------------------|--------------------------------|----------------|-------|-------|---------------|--------|----------------------|------|--------|-------|
|  |      | All countries            | Eastern Europe and former USSR | Western Europe |       | Japan | North America | Others | All countries        | NICs | Others |       |
|  |      |                          |                                | EC D/          | Other |       |               |        |                      |      |        |       |
| Glass (352)                            | 1980 | 86.8                     | 14.1                           | 37.1           | 3.2   | 8.5   | 22.1          | 1.8    | 13.2                 | 8.8  | 4.4    | 100.0 |
|  | 1985 | 85.9                     | 15.3                           | 37.2           | 3.6   | 7.8   | 20.2          | 1.8    | 14.1                 | 8.9  | 5.2    | 100.0 |
|  | 1990 | 83.8                     | 13.7                           | 38.9           | 3.6   | 7.7   | 18.1          | 1.8    | 16.2                 | 9.8  | 6.4    | 100.0 |
|  | 1992 | 82.6                     | 10.4                           | 40.9           | 3.6   | 7.5   | 18.4          | 1.8    | 17.4                 | 9.8  | 7.6    | 100.0 |
| Other non-metallic mineral prods (369) | 1980 | 81.9                     | 22.6                           | 27.5           | 3.5   | 10.1  | 15.6          | 2.6    | 18.1                 | 10.2 | 7.9    | 100.0 |
|  | 1985 | 80.6                     | 24.8                           | 23.1           | 3.0   | 9.7   | 17.4          | 2.6    | 19.4                 | 9.7  | 9.7    | 100.0 |
|  | 1990 | 79.4                     | 23.3                           | 24.0           | 2.8   | 10.1  | 16.3          | 2.9    | 20.6                 | 9.6  | 11.0   | 100.0 |
|  | 1992 | 75.1                     | 16.4                           | 26.9           | 2.6   | 10.4  | 15.7          | 3.1    | 24.9                 | 11.1 | 13.8   | 100.0 |
| Iron and steel (371)                   | 1980 | 89.1                     | 16.5                           | 28.2           | 2.4   | 19.0  | 20.2          | 2.8    | 10.9                 | 8.3  | 2.6    | 100.0 |
|  | 1985 | 87.0                     | 17.6                           | 27.0           | 2.9   | 19.7  | 17.4          | 2.4    | 13.0                 | 9.6  | 3.6    | 100.0 |
|  | 1990 | 84.7                     | 15.2                           | 26.0           | 2.8   | 20.2  | 17.9          | 2.6    | 15.3                 | 11.0 | 4.3    | 100.0 |
|  | 1992 | 82.5                     | 10.4                           | 27.4           | 3.0   | 20.3  | 18.6          | 2.8    | 17.6                 | 12.3 | 6.2    | 100.0 |
| Non-ferrous metals (372)               | 1980 | 90.2                     | 21.1                           | 20.2           | 3.7   | 14.6  | 27.2          | 3.4    | 9.8                  | 4.6  | 6.3    | 100.0 |
|  | 1985 | 88.1                     | 21.3                           | 18.9           | 3.6   | 13.9  | 26.9          | 3.5    | 11.9                 | 5.3  | 6.6    | 100.0 |
|  | 1990 | 87.3                     | 16.9                           | 20.4           | 3.9   | 16.3  | 26.7          | 3.1    | 12.7                 | 6.1  | 6.6    | 100.0 |
|  | 1992 | 86.2                     | 11.3                           | 22.6           | 3.9   | 17.3  | 27.7          | 3.4    | 13.8                 | 6.6  | 7.2    | 100.0 |
| Metal products (381)                   | 1980 | 89.2                     | 11.1                           | 30.7           | 4.7   | 12.5  | 26.9          | 3.3    | 10.8                 | 7.3  | 3.6    | 100.0 |
|  | 1985 | 88.9                     | 13.2                           | 27.8           | 4.9   | 11.9  | 27.8          | 3.3    | 11.1                 | 7.4  | 3.7    | 100.0 |
|  | 1990 | 88.7                     | 11.5                           | 29.5           | 5.2   | 12.9  | 26.8          | 2.8    | 11.3                 | 7.3  | 4.0    | 100.0 |
|  | 1992 | 87.9                     | 7.7                            | 32.0           | 5.2   | 13.0  | 26.9          | 3.1    | 12.1                 | 7.4  | 4.7    | 100.0 |
| Non-electrical machinery (382)         | 1980 | 94.9                     | 30.9                           | 27.3           | 3.4   | 9.9   | 22.3          | 1.1    | 6.1                  | 4.1  | 1.0    | 100.0 |
|  | 1985 | 95.4                     | 34.3                           | 23.3           | 3.1   | 11.5  | 21.8          | 0.9    | 4.6                  | 3.6  | 1.1    | 100.0 |
|  | 1990 | 95.6                     | 32.2                           | 23.4           | 2.9   | 12.8  | 23.4          | 0.9    | 4.4                  | 3.4  | 1.0    | 100.0 |
|  | 1992 | 96.0                     | 24.2                           | 26.2           | 3.1   | 12.9  | 27.6          | 1.1    | 5.0                  | 3.7  | 1.3    | 100.0 |
| Electrical machinery (383)             | 1980 | 91.7                     | 11.5                           | 33.8           | 3.6   | 15.4  | 26.9          | 1.6    | 8.3                  | 6.1  | 2.2    | 100.0 |
|  | 1985 | 92.0                     | 11.2                           | 29.0           | 3.2   | 23.6  | 23.8          | 1.2    | 8.0                  | 5.9  | 2.1    | 100.0 |
|  | 1990 | 89.1                     | 8.4                            | 27.8           | 3.4   | 27.0  | 21.5          | 1.0    | 10.9                 | 8.2  | 2.7    | 100.0 |
|  | 1992 | 88.0                     | 5.1                            | 28.9           | 3.6   | 26.8  | 22.6          | 1.0    | 12.0                 | 8.6  | 3.4    | 100.0 |
| Transport equipment (384)              | 1980 | 91.8                     | 13.7                           | 35.2           | 2.6   | 11.9  | 26.6          | 1.8    | 8.2                  | 5.9  | 2.3    | 100.0 |
|  | 1985 | 92.5                     | 15.0                           | 31.8           | 2.5   | 11.4  | 30.2          | 1.6    | 7.5                  | 5.3  | 2.2    | 100.0 |
|  | 1990 | 92.0                     | 12.9                           | 34.7           | 2.2   | 12.0  | 29.0          | 1.2    | 8.0                  | 5.8  | 2.6    | 100.0 |
|  | 1992 | 90.3                     | 7.8                            | 37.8           | 2.2   | 12.6  | 28.8          | 1.1    | 9.7                  | 6.2  | 3.6    | 100.0 |

a/ At constant 1980 prices

b/ In 1992 including estimates for the eastern part of Germany

TABLE 1.7

DISTRIBUTION OF VALUE ADDED OF SELECTED BRANCHES AMONG DEVELOPING REGIONS, 1980 AND 1991<sup>a/</sup>

(Percentage)

| Branch (ISIC)                             | Developing regions |        |               |        |                     |        |                      |        |               |       | Least developed countries |       |
|---|--------------------|--------|---------------|--------|---------------------|--------|----------------------|--------|---------------|-------|---------------------------|-------|
|   | Africa             |        | Latin America |        | South and East Asia |        | West Asia and Europe |        | All countries |       | 1980                      | 1991  |
|   | 1980               | 1991   | 1980          | 1991   | 1980                | 1991   | 1980                 | 1991   | 1980          | 1991  |                           |       |
| Food products (311/2)                     | 9.6                | 10.5   | 59.0          | 51.6   | 22.7                | 28.4   | 8.7                  | 9.5    | 100.0         | 100.0 | 3.3                       | 3.7   |
| Beverages (313)                           | 16.9               | 17.2b/ | 60.5          | 51.1b/ | 15.0                | 23.8b/ | 7.6                  | 8.1b/  | 100.0         | 100.0 | 4.6                       | 4.9b/ |
| Tobacco (314)                             | 14.4               | 14.5   | 44.1          | 39.9   | 29.4                | 29.6   | 12.1                 | 16.0   | 100.0         | 100.0 | 4.8                       | 4.7   |
| Textiles (321)                            | 10.8               | 11.3   | 34.4          | 26.6   | 42.2                | 47.9   | 12.6                 | 14.2   | 100.0         | 100.0 | 3.9                       | 3.6   |
| Wearing apparel (322)                     | 6.3                | 6.4    | 36.9          | 28.0   | 44.1                | 54.7   | 12.7                 | 10.9   | 100.0         | 100.0 | 1.8                       | ...   |
| Leather and fur products (323)            | 8.5                | 7.3    | 50.9          | 36.6   | 26.6                | 46.0   | 14.0                 | 9.1    | 100.0         | 100.0 | 3.6                       | ...   |
| Footwear (324)                            | 10.3               | 10.1b/ | 56.6          | 46.1b/ | 17.6                | 25.4b/ | 15.6                 | 16.4b/ | 100.0         | 100.0 | 2.2                       | ...   |
| Wood and cork products (331)              | 8.9                | 9.9b/  | 43.2          | 39.9b/ | 32.7                | 37.2b/ | 15.2                 | 13.0b/ | 100.0         | 100.0 | 2.8                       | 2.3b/ |
| Paper (341)                               | 6.5                | 6.2    | 57.9          | 51.9   | 23.6                | 31.1   | 12.0                 | 11.8   | 100.0         | 100.0 | 1.1                       | 1.2   |
| Industrial chemicals (351)                | 3.2                | 2.5    | 50.7          | 37.7   | 28.6                | 38.1   | 17.5                 | 21.7   | 100.0         | 100.0 | 1.3                       | 1.5   |
| Other chemicals (352)                     | 8.6                | 6.7    | 57.9          | 46.6   | 25.8                | 39.8   | 7.7                  | 7.0    | 100.0         | 100.0 | 1.7                       | 1.5   |
| Petroleum refineries (353)                | 5.5                | 6.5    | 35.9          | 25.1   | 32.5                | 31.9   | 25.1                 | 36.5   | 100.0         | 100.0 | 1.1                       | 0.8   |
| Rubber products (355)                     | 5.1                | 4.8    | 51.2          | 34.3   | 33.6                | 52.8   | 10.1                 | 8.1    | 100.0         | 100.0 | 1.6                       | 1.1   |
| Pottery, china, earthenware (361)         | 4.5                | 5.6b/  | 58.4          | 48.3b/ | 23.6                | 31.3b/ | 13.6                 | 14.8b/ | 100.0         | 100.0 | 1.9                       | 2.1b/ |
| Glass (362)                               | 4.2                | 4.3b/  | 60.9          | 45.2b/ | 23.7                | 28.5b/ | 11.2                 | 22.0b/ | 100.0         | 100.0 | 0.9                       | 0.8b/ |
| Other non-metallic mineral products (369) | 6.8                | 7.7    | 49.6          | 33.0   | 25.6                | 43.3   | 16.0                 | 16.0   | 100.0         | 100.0 | 1.6                       | 1.7   |
| Iron and steel (371)                      | 3.7                | 3.4    | 55.5          | 41.9   | 27.7                | 40.2   | 13.1                 | 14.5   | 100.0         | 100.0 | 1.2                       | 0.6   |
| Non-ferrous metals (372)                  | 6.3                | 5.6    | 53.0          | 55.4   | 14.7                | 23.6   | 16.0                 | 15.4   | 100.0         | 100.0 | 2.3                       | 1.1   |
| Metal products (381)                      | 7.3                | 7.3    | 50.7          | 44.1   | 21.1                | 31.9   | 20.9                 | 16.7   | 100.0         | 100.0 | 1.6                       | ...   |
| Non-electrical machinery (382)            | 2.0                | 1.9    | 51.8          | 37.5   | 21.3                | 47.5   | 14.9                 | 13.1   | 100.0         | 100.0 | 0.4                       | 0.4   |
| Electrical machinery (383)                | 2.8                | 1.6    | 42.8          | 16.0   | 42.2                | 73.9   | 12.2                 | 8.5    | 100.0         | 100.0 | 0.5                       | 0.2   |
| Transport equipment (384)                 | 7.4                | 2.9b/  | 54.5          | 35.9b/ | 25.7                | 41.2b/ | 12.4                 | 20.0b/ | 100.0         | 100.0 | 0.7                       | 0.6b/ |

a/ At constant 1980 prices.

b/ Figure refers to 1990.

TABLE 1.8

## LEADING PRODUCERS IN SELECTED BRANCHES, 1980 AND 1992

| world leading countries  |                          |                          |                          | Leading developing countries |                          |                            |                          |
|--------------------------|--------------------------|--------------------------|--------------------------|------------------------------|--------------------------|----------------------------|--------------------------|
| 1980                     |                          | 1992                     |                          | 1980                         |                          | 1992                       |                          |
| Country or area          | Share a/<br>(percentage) | Country or area          | Share a/<br>(percentage) | Country or area              | Share b/<br>(percentage) | Country or area            | Share b/<br>(percentage) |
| Food products (311/2)    |                          |                          |                          |                              |                          |                            |                          |
| United States of America | 18.2                     | United States of America | 18.3                     | Brazil                       | 15.0                     | Brazil                     | 13.1                     |
| Japan                    | 10.2                     | Germany, western part    | 9.8                      | Mexico                       | 13.5                     | Argentina                  | 10.5                     |
| France                   | 9.6                      | France                   | 9.3                      | Argentina                    | 10.5                     | Mexico                     | 10.0                     |
| Germany, western part    | 8.9                      | Japan                    | 9.0                      | Philippines                  | 5.2                      | Philippines                | 5.8                      |
| United Kingdom           | 5.1                      | United Kingdom           | 4.5                      | Cuba                         | 4.1                      | India                      | 4.7                      |
| Italy                    | 4.3                      | Italy                    | 4.0                      | India                        | 3.8                      | Turkey                     | 4.1                      |
| Brazil                   | 3.8                      | Brazil                   | 3.5                      | Yugoslavia (former)          | 3.4                      | Republic of Korea          | 3.6                      |
| Mexico                   | 3.4                      | Argentina                | 2.8                      | Colombia                     | 3.0                      | Cuba                       | 3.1                      |
| Argentina                | 2.7                      | Mexico                   | 2.7                      | Taiwan Province              | 2.8                      | Taiwan Province            | 3.0                      |
| Canada                   | 2.2                      | Belgium                  | 2.1                      | Turkey                       | 2.5                      | Venezuela                  | 3.0                      |
| Netherlands              | 2.1                      | Netherlands              | 2.1                      | Venezuela                    | 2.4                      | Colombia                   | 2.9                      |
| Spain                    | 1.9                      | Spain                    | 2.0                      | Republic of Korea            | 1.8                      | Pakistan                   | 2.8                      |
| Belgium                  | 1.8                      | Canada                   | 1.8                      | Chile                        | 1.7                      | Malaysia                   | 2.2                      |
| Australia                | 1.8                      | Australia                | 1.7                      | Morocco                      | 1.5                      | Chile                      | 2.1                      |
| Switzerland              | 1.3                      | Philippines              | 1.6                      | Pakistan                     | 1.5                      | Thailand                   | 1.8                      |
| Sum of above             | 77.4                     | Sum of above             | 75.2                     | Sum of above                 | 73.1                     | Sum of above               | 72.7                     |
| Textiles (321)           |                          |                          |                          |                              |                          |                            |                          |
| United States of America | 15.9                     | United States of America | 18.2                     | India                        | 15.2                     | India                      | 16.0                     |
| Japan                    | 11.0                     | Italy                    | 9.7                      | Brazil                       | 11.5                     | Turkey                     | 9.9                      |
| Italy                    | 9.0                      | Japan                    | 9.1                      | Mexico                       | 8.5                      | Brazil                     | 7.5                      |
| Germany, western part    | 6.4                      | India                    | 5.9                      | Argentina                    | 8.0                      | Republic of Korea          | 7.2                      |
| France                   | 6.0                      | Germany, western part    | 5.4                      | Taiwan Province              | 5.5                      | Argentina                  | 6.2                      |
| India                    | 4.9                      | France                   | 4.1                      | Republic of Korea            | 5.4                      | Taiwan Province            | 5.5                      |
| United Kingdom           | 4.2                      | Turkey                   | 3.6                      | Turkey                       | 5.2                      | Mexico                     | 4.2                      |
| Brazil                   | 3.7                      | United Kingdom           | 3.5                      | Yugoslavia (former)          | 5.0                      | Hong Kong                  | 4.0                      |
| Spain                    | 3.3                      | Spain                    | 3.1                      | Iran (Islamic Republic of)   | 3.2                      | Iran (Islamic Republic of) | 3.2                      |
| Mexico                   | 2.8                      | Brazil                   | 2.8                      | Pakistan                     | 3.1                      | Indonesia                  | 3.1                      |
| Argentina                | 1.9                      | Republic of Korea        | 2.6                      | Egypt                        | 2.5                      | Pakistan                   | 2.4                      |
| Taiwan Province          | 1.8                      | Argentina                | 2.3                      | Hong Kong                    | 2.5                      | Egypt                      | 2.4                      |
| Republic of Korea        | 1.7                      | Taiwan Province          | 2.0                      | Colombia                     | 1.9                      | Thailand                   | 2.1                      |
| Turkey                   | 1.7                      | Canada                   | 1.6                      | Philippines                  | 1.7                      | Colombia                   | 2.0                      |
| Yugoslavia (former)      | 1.6                      | Mexico                   | 1.5                      | Thailand                     | 1.5                      | Morocco                    | 1.8                      |
| Sum of above             | 76.0                     | Sum of above             | 75.4                     | Sum of above                 | 78.7                     | Sum of above               | 77.5                     |

a. In world total value added (excluding eastern Europe and former USSR) at constant 1980 prices.

b. In total value added of developing countries at constant 1980 prices.

TABLE 18

## LEADING PRODUCERS IN SELECTED BRANCHES, 1980 AND 1992

| world leading countries        |                          |                          |                          | Leading developing countries |                          |                            |                          |
|--------------------------------|--------------------------|--------------------------|--------------------------|------------------------------|--------------------------|----------------------------|--------------------------|
| 1980                           |                          | 1992                     |                          | 1980                         |                          | 1992                       |                          |
| Country or area                | Share a/<br>(percentage) | Country or area          | Share a/<br>(percentage) | Country or area              | Share b/<br>(percentage) | Country or area            | Share b/<br>(percentage) |
| wearing apparel (322)          |                          |                          |                          |                              |                          |                            |                          |
| United States of America       | 24.2                     | United States of America | 25.9                     | Hong Kong                    | 12.0                     | Hong Kong                  | 13.9                     |
| Italy                          | 11.2                     | Italy                    | 11.5                     | India                        | 11.2                     | India                      | 12.6                     |
| Germany, western part          | 8.3                      | Japan                    | 6.2                      | Brazil                       | 9.1                      | Republic of Korea          | 7.7                      |
| France                         | 6.6                      | Germany, western part    | 5.3                      | Mexico                       | 8.7                      | Argentina                  | 6.8                      |
| Japan                          | 6.5                      | United Kingdom           | 4.9                      | Yugoslavia (former)          | 6.9                      | Mexico                     | 6.6                      |
| United Kingdom                 | 4.6                      | France                   | 4.4                      | Republic of Korea            | 5.6                      | Brazil                     | 4.3                      |
| Spain                          | 4.2                      | Hong Kong                | 3.8                      | Argentina                    | 5.1                      | Taiwan Province            | 2.2                      |
| Hong Kong                      | 2.6                      | India                    | 3.4                      | Philippines                  | 3.4                      | Philippines                | 2.1                      |
| India                          | 2.4                      | Spain                    | 3.3                      | Taiwan Province              | 2.6                      | Algeria                    | 2.0                      |
| Canada                         | 2.3                      | Canada                   | 2.1                      | Cuba                         | 2.2                      | Iran (Islamic Republic of) | 1.8                      |
| Brazil                         | 1.9                      | Republic of Korea        | 2.1                      | Algeria                      | 1.6                      | Malaysia                   | 1.7                      |
| Mexico                         | 1.9                      | Argentina                | 1.9                      | Colombia                     | 1.5                      | Colombia                   | 1.6                      |
| Yugoslavia (former)            | 1.5                      | Mexico                   | 1.8                      | Venezuela                    | 1.3                      | Iraq                       | 1.6                      |
| Switzerland                    | 1.4                      | Belgium                  | 1.6                      | Chile                        | 1.2                      | Morocco                    | 1.2                      |
| Belgium                        | 1.3                      | Brazil                   | 1.2                      | Uruguay                      | 1.0                      | Venezuela                  | 1.1                      |
| Sum of above                   | 81.0                     | Sum of above             | 79.6                     | Sum of above                 | 73.2                     | Sum of above               | 67.3                     |
| Leather and fur products (323) |                          |                          |                          |                              |                          |                            |                          |
| United States of America       | 13.6                     | Italy                    | 13.8                     | Mexico                       | 14.3                     | Taiwan Province            | 14.2                     |
| Italy                          | 12.9                     | Spain                    | 13.8                     | Brazil                       | 12.8                     | Mexico                     | 12.3                     |
| Germany, western part          | 9.8                      | United States of America | 11.1                     | Argentina                    | 10.3                     | Argentina                  | 7.9                      |
| Spain                          | 8.8                      | Japan                    | 6.7                      | Yugoslavia (former)          | 8.7                      | Brazil                     | 6.9                      |
| France                         | 7.3                      | Germany, western part    | 6.3                      | Taiwan Province              | 7.0                      | Republic of Korea          | 6.2                      |
| Japan                          | 6.7                      | France                   | 4.6                      | India                        | 4.1                      | India                      | 4.9                      |
| United Kingdom                 | 5.1                      | Taiwan Province          | 4.3                      | Republic of Korea            | 3.3                      | Sri Lanka                  | 2.6                      |
| Mexico                         | 3.6                      | United Kingdom           | 3.9                      | Uruguay                      | 2.8                      | Colombia                   | 2.4                      |
| Brazil                         | 3.3                      | Mexico                   | 3.7                      | Algeria                      | 2.2                      | Iran (Islamic Republic of) | 2.3                      |
| Argentina                      | 2.6                      | Argentina                | 2.4                      | Colombia                     | 1.9                      | Uruguay                    | 2.0                      |
| Yugoslavia (former)            | 2.2                      | Brazil                   | 2.1                      | Hong Kong                    | 1.6                      | Turkey                     | 1.9                      |
| Taiwan Province                | 1.8                      | Republic of Korea        | 1.9                      | Iran (Islamic Republic of)   | 1.5                      | Algeria                    | 1.6                      |
| Canada                         | 1.4                      | Switzerland              | 1.6                      | Turkey                       | 1.4                      | Hong Kong                  | 1.4                      |
| Switzerland                    | 1.2                      | India                    | 1.5                      | Peru                         | 1.3                      | Morocco                    | 1.3                      |
| Greece                         | 1.1                      | Portugal                 | 1.1                      | Chile                        | 1.3                      | Venezuela                  | 1.1                      |
| Sum of above                   | 81.4                     | Sum of above             | 78.7                     | Sum of above                 | 74.4                     | Sum of above               | 69.1                     |

a/ In world total value added (excluding eastern Europe and former USSR) at constant 1980 prices

b/ In total value added of developing countries at constant 1980 prices

TABLE 1.8

## LEADING PRODUCERS IN SELECTED BRANCHES, 1980 AND 1992

| World leading countries  |                          |                          |                          | Leading developing countries |                          |                            |                          |
|--------------------------|--------------------------|--------------------------|--------------------------|------------------------------|--------------------------|----------------------------|--------------------------|
| 1980                     |                          | 1992                     |                          | 1980                         |                          | 1992                       |                          |
| Country or area          | Share a/<br>(percentage) | Country or area          | Share a/<br>(percentage) | Country or area              | Share b/<br>(percentage) | Country or area            | Share b/<br>(percentage) |
| Footwear (324)           |                          |                          |                          |                              |                          |                            |                          |
| Italy                    | 18.5                     | Italy                    | 18.2                     | Mexico                       | 20.3                     | Mexico                     | 20.7                     |
| United States of America | 13.3                     | France                   | 11.2                     | Brazil                       | 15.0                     | Brazil                     | 9.7                      |
| France                   | 10.6                     | United States of America | 7.8                      | Yugoslavia (former)          | 11.4                     | Republic of Korea          | 7.6                      |
| Germany, western part    | 7.1                      | Mexico                   | 6.5                      | India                        | 7.0                      | India                      | 7.3                      |
| United Kingdom           | 5.5                      | United Kingdom           | 5.4                      | Argentina                    | 4.8                      | Argentina                  | 4.6                      |
| Mexico                   | 5.1                      | Japan                    | 4.9                      | Cuba                         | 4.4                      | Indonesia                  | 3.7                      |
| Spain                    | 4.6                      | Germany, western part    | 4.8                      | Republic of Korea            | 3.8                      | Cuba                       | 3.6                      |
| Brazil                   | 3.8                      | Spain                    | 4.7                      | Venezuela                    | 2.3                      | Chile                      | 3.2                      |
| Japan                    | 3.2                      | Brazil                   | 3.0                      | Chile                        | 2.1                      | Taiwan Province            | 2.7                      |
| Yugoslavia (former)      | 2.9                      | Republic of Korea        | 2.4                      | Algeria                      | 1.6                      | Venezuela                  | 2.4                      |
| Switzerland              | 2.0                      | India                    | 2.3                      | Syrian Arab Republic         | 1.3                      | Iraq                       | 2.1                      |
| India                    | 1.8                      | Portugal                 | 1.9                      | Morocco                      | 1.2                      | Algeria                    | 2.1                      |
| Canada                   | 1.3                      | Switzerland              | 1.8                      | Hong Kong                    | 1.1                      | Morocco                    | 1.7                      |
| Australia                | 1.3                      | Argentina                | 1.4                      | Taiwan Province              | 1.1                      | Turkey                     | 1.6                      |
| Austria                  | 1.2                      | South Africa             | 1.4                      | Iraq                         | 1.0                      | Tunisia                    | 1.3                      |
| Sum of above             | 82.2                     | Sum of above             | 77.6                     | Sum of above                 | 78.6                     | Sum of above               | 74.1                     |
| Paper (341)              |                          |                          |                          |                              |                          |                            |                          |
| United States of America | 30.2                     | United States of America | 30.8                     | Brazil                       | 18.3                     | Brazil                     | 16.4                     |
| Japan                    | 11.6                     | Japan                    | 12.5                     | Mexico                       | 13.6                     | Mexico                     | 10.7                     |
| Canada                   | 7.0                      | Germany, western part    | 7.2                      | Argentina                    | 8.9                      | India                      | 9.4                      |
| Germany, western part    | 6.8                      | France                   | 6.1                      | Yugoslavia (former)          | 6.4                      | Argentina                  | 8.6                      |
| Sweden                   | 5.9                      | Canada                   | 5.0                      | India                        | 6.4                      | Turkey                     | 8.1                      |
| France                   | 5.8                      | Sweden                   | 5.0                      | Taiwan Province              | 6.3                      | Republic of Korea          | 6.7                      |
| United Kingdom           | 5.2                      | United Kingdom           | 4.2                      | Venezuela                    | 4.2                      | Taiwan Province            | 6.3                      |
| Italy                    | 3.2                      | Italy                    | 2.8                      | Republic of Korea            | 3.9                      | Chile                      | 4.1                      |
| Finland                  | 2.7                      | Finland                  | 2.6                      | Turkey                       | 3.6                      | Venezuela                  | 3.2                      |
| Spain                    | 2.4                      | Spain                    | 2.3                      | Chile                        | 3.5                      | Cuba                       | 3.1                      |
| Brazil                   | 2.1                      | Brazil                   | 2.0                      | Colombia                     | 2.3                      | Colombia                   | 3.0                      |
| Mexico                   | 1.5                      | Mexico                   | 1.4                      | Peru                         | 1.8                      | Hong Kong                  | 2.9                      |
| Netherlands              | 1.1                      | Netherlands              | 1.3                      | Cuba                         | 1.8                      | Philippines                | 1.4                      |
| Argentina                | 1.0                      | India                    | 1.2                      | Iran (Islamic Republic of)   | 1.7                      | Indonesia                  | 1.3                      |
| Australia                | 1.0                      | Austria                  | 1.2                      | Philippines                  | 1.3                      | Iran (Islamic Republic of) | 1.1                      |
| Sum of above             | 87.4                     | Sum of above             | 85.7                     | Sum of above                 | 83.0                     | Sum of above               | 85.2                     |

a/ In world total value added (excluding eastern Europe and former USSR) at constant 1980 prices.

b/ In total value added of developing countries at constant 1980 prices.

TABLE 1.8

## LEADING PRODUCERS IN SELECTED BRANCHES, 1980 AND 1992

| world leading countries    |                          |                          |                          | Leading developing countries |                          |                            |                          |
|----------------------------|--------------------------|--------------------------|--------------------------|------------------------------|--------------------------|----------------------------|--------------------------|
| 1980                       |                          | 1992                     |                          | 1980                         |                          | 1992                       |                          |
| Country or area            | Share a/<br>(percentage) | Country or area          | Share a/<br>(percentage) | Country or area              | Share b/<br>(percentage) | Country or area            | Share b/<br>(percentage) |
| Industrial chemicals (351) |                          |                          |                          |                              |                          |                            |                          |
| United States of America   | 25.2                     | United States of America | 25.8                     | Brazil                       | 16.0                     | India                      | 13.8                     |
| Germany, western part      | 13.3                     | Germany, western part    | 10.9                     | Mexico                       | 14.3                     | Republic of Korea          | 13.3                     |
| France                     | 9.7                      | France                   | 8.8                      | India                        | 8.0                      | Brazil                     | 11.6                     |
| Japan                      | 9.0                      | Japan                    | 8.6                      | Republic of Korea            | 7.9                      | Turkey                     | 11.3                     |
| United Kingdom             | 6.4                      | United Kingdom           | 5.9                      | Argentina                    | 7.5                      | Mexico                     | 8.9                      |
| Italy                      | 4.7                      | Italy                    | 3.2                      | Turkey                       | 6.8                      | Argentina                  | 6.5                      |
| Belgium                    | 2.5                      | India                    | 3.0                      | Yugoslavia (former)          | 4.7                      | Saudi Arabia               | 6.0                      |
| Brazil                     | 2.4                      | Republic of Korea        | 2.9                      | Taiwan Province              | 4.3                      | Taiwan Province            | 6.9                      |
| Netherlands                | 2.4                      | Belgium                  | 2.8                      | Saudi Arabia                 | 3.1                      | Pakistan                   | 3.0                      |
| Mexico                     | 2.2                      | Brazil                   | 2.5                      | Pakistan                     | 2.8                      | Venezuela                  | 2.1                      |
| Spain                      | 2.1                      | Turkey                   | 2.4                      | Philippines                  | 2.1                      | Bahrain                    | 1.2                      |
| Canada                     | 1.8                      | Netherlands              | 2.2                      | Bahrain                      | 1.6                      | Bangladesh                 | 1.1                      |
| Switzerland                | 1.6                      | Canada                   | 2.0                      | Venezuela                    | 1.4                      | Colombia                   | 1.0                      |
| India                      | 1.2                      | Mexico                   | 1.9                      | Peru                         | 1.2                      | Philippines                | 1.0                      |
| Republic of Korea          | 1.2                      | Spain                    | 1.8                      | Colombia                     | 1.2                      | Indonesia                  | 0.9                      |
| Sum of above               | 85.9                     | Sum of above             | 84.6                     | Sum of above                 | 83.0                     | Sum of above               | 87.8                     |
| Other chemicals (352)      |                          |                          |                          |                              |                          |                            |                          |
| United States of America   | 26.0                     | United States of America | 26.9                     | Brazil                       | 16.7                     | Brazil                     | 13.8                     |
| Japan                      | 11.3                     | Japan                    | 12.4                     | Mexico                       | 11.7                     | Mexico                     | 11.4                     |
| Germany, western part      | 9.5                      | Germany, western part    | 8.8                      | Argentina                    | 10.8                     | Republic of Korea          | 10.7                     |
| France                     | 6.8                      | France                   | 7.5                      | India                        | 7.6                      | India                      | 10.4                     |
| United Kingdom             | 6.7                      | United Kingdom           | 7.0                      | Yugoslavia (former)          | 3.8                      | Argentina                  | 6.2                      |
| Italy                      | 4.5                      | Italy                    | 3.7                      | Republic of Korea            | 3.5                      | Taiwan Province            | 4.8                      |
| Brazil                     | 3.5                      | Brazil                   | 3.0                      | Nigeria                      | 3.0                      | Turkey                     | 3.3                      |
| Mexico                     | 2.5                      | Mexico                   | 2.5                      | Taiwan Province              | 2.9                      | Pakistan                   | 2.9                      |
| Argentina                  | 2.3                      | Republic of Korea        | 2.3                      | Turkey                       | 2.6                      | Venezuela                  | 2.8                      |
| Canada                     | 1.9                      | India                    | 2.3                      | Venezuela                    | 2.6                      | Thailand                   | 2.7                      |
| Spain                      | 1.9                      | Canada                   | 1.6                      | Thailand                     | 2.2                      | Indonesia                  | 2.2                      |
| India                      | 1.6                      | Spain                    | 1.4                      | Pakistan                     | 2.0                      | Iran (Islamic Republic of) | 2.1                      |
| Switzerland                | 1.6                      | Switzerland              | 1.3                      | Philippines                  | 1.9                      | Philippines                | 2.0                      |
| Australia                  | 1.3                      | Sweden                   | 1.2                      | Chile                        | 1.8                      | Chile                      | 1.9                      |
| Sweden                     | 1.2                      | Argentina                | 1.1                      | Peru                         | 1.6                      | Malaysia                   | 1.8                      |
| Sum of above               | 82.7                     | Sum of above             | 82.1                     | Sum of above                 | 74.7                     | Sum of above               | 76.2                     |

a/ In world total value added (excluding eastern Europe and former USSR) at constant 1980 prices.

b/ In total value added of developing countries at constant 1980 prices.

TABLE 1.8

## LEADING PRODUCERS IN SELECTED BRANCHES, 1980 AND 1992

| World leading countries  |                          |                          |                          | Leading developing countries |                          |                            |                          |
|--------------------------|--------------------------|--------------------------|--------------------------|------------------------------|--------------------------|----------------------------|--------------------------|
| 1980                     |                          | 1992                     |                          | 1980                         |                          | 1992                       |                          |
| Country or area          | Share a/<br>(percentage) | Country or area          | Share a/<br>(percentage) | Country or area              | Share b/<br>(percentage) | Country or area            | Share b/<br>(percentage) |
| Rubber products (355)    |                          |                          |                          |                              |                          |                            |                          |
| United States of America | 17.6                     | United States of America | 21.9                     | Brazil                       | 16.4                     | Malaysia                   | 16.2                     |
| France                   | 11.3                     | Japan                    | 11.3                     | Argentina                    | 13.7                     | Brazil                     | 12.6                     |
| Japan                    | 11.3                     | France                   | 9.0                      | Mexico                       | 11.9                     | Republic of Korea          | 12.1                     |
| Germany, western part    | 11.2                     | Germany, western part    | 8.8                      | Republic of Korea            | 6.9                      | Argentina                  | 8.2                      |
| Italy                    | 7.0                      | Italy                    | 6.0                      | Malaysia                     | 6.7                      | Turkey                     | 6.7                      |
| United Kingdom           | 6.6                      | United Kingdom           | 4.7                      | India                        | 6.3                      | Mexico                     | 6.7                      |
| Brazil                   | 3.5                      | Malaysia                 | 4.0                      | Turkey                       | 4.7                      | India                      | 6.4                      |
| Argentina                | 2.9                      | Brazil                   | 3.3                      | Yugoslavia (former)          | 4.6                      | Taiwan Province            | 4.9                      |
| Mexico                   | 2.8                      | Republic of Korea        | 3.1                      | Taiwan Province              | 3.7                      | Indonesia                  | 4.8                      |
| Canada                   | 2.4                      | Canada                   | 2.4                      | Indonesia                    | 2.8                      | Iran (Islamic Republic of) | 3.6                      |
| Spain                    | 2.3                      | Venezuela                | 2.2                      | Venezuela                    | 2.2                      | Venezuela                  | 2.4                      |
| Republic of Korea        | 1.5                      | Argentina                | 2.1                      | Iran (Islamic Republic of)   | 1.8                      | Thailand                   | 2.3                      |
| Malaysia                 | 1.2                      | Turkey                   | 1.6                      | Thailand                     | 1.6                      | Philippines                | 2.0                      |
| Australia                | 1.2                      | Mexico                   | 1.5                      | Philippines                  | 1.7                      | Sri Lanka                  | 1.3                      |
| India                    | 1.1                      | India                    | 1.4                      | Sri Lanka                    | 1.6                      | Pakistan                   | 1.2                      |
| Sum of above             | 83.8                     | Sum of above             | 83.2                     | Sum of above                 | 84.8                     | Sum of above               | 87.6                     |
| Iron and steel (371)     |                          |                          |                          |                              |                          |                            |                          |
| Japan                    | 22.7                     | Japan                    | 23.0                     | Brazil                       | 23.6                     | Brazil                     | 18.8                     |
| United States of America | 22.5                     | United States of America | 19.4                     | Argentina                    | 12.7                     | Republic of Korea          | 12.4                     |
| Germany, western part    | 14.6                     | Germany, western part    | 12.8                     | Mexico                       | 12.3                     | India                      | 11.8                     |
| France                   | 6.9                      | France                   | 5.2                      | India                        | 9.4                      | Turkey                     | 11.6                     |
| Italy                    | 5.1                      | Italy                    | 4.9                      | Yugoslavia (former)          | 7.0                      | Argentina                  | 9.5                      |
| Brazil                   | 3.1                      | Brazil                   | 3.7                      | Turkey                       | 5.7                      | Taiwan Province            | 8.1                      |
| United Kingdom           | 3.0                      | United Kingdom           | 3.1                      | Republic of Korea            | 6.7                      | Mexico                     | 6.6                      |
| Spain                    | 1.7                      | Republic of Korea        | 2.6                      | Taiwan Province              | 4.9                      | Venezuela                  | 2.9                      |
| Australia                | 1.7                      | India                    | 2.3                      | Venezuela                    | 2.4                      | Indonesia                  | 2.0                      |
| Canada                   | 1.7                      | Turkey                   | 2.3                      | Philippines                  | 1.3                      | Malaysia                   | 1.2                      |
| Argentina                | 1.7                      | Argentina                | 1.9                      | Chile                        | 1.1                      | Philippines                | 1.0                      |
| Mexico                   | 1.6                      | Spain                    | 1.8                      | Peru                         | 1.1                      | Egypt                      | 1.0                      |
| South Africa             | 1.5                      | Australia                | 1.7                      | Zimbabwe                     | 1.1                      | Chile                      | 0.9                      |
| India                    | 1.2                      | Canada                   | 1.6                      | Egypt                        | 0.9                      | Colombia                   | 0.9                      |
| Austria                  | 0.9                      | Taiwan Province          | 1.6                      | Colombia                     | 0.9                      | Zimbabwe                   | 0.7                      |
| Sum of above             | 90.0                     | Sum of above             | 87.6                     | Sum of above                 | 90.0                     | Sum of above               | 89.3                     |

a/ In world total value added (excluding eastern Europe and former USSR) at constant 1980 prices.

b/ In total value added of developing countries at constant 1980 prices.



TABLE 1.8

## LEADING PRODUCERS IN SELECTED BRANCHES, 1980 AND 1992

| World leading countries  |                          |                          |                          | Leading developing countries |                          |                            |                          |
|--------------------------|--------------------------|--------------------------|--------------------------|------------------------------|--------------------------|----------------------------|--------------------------|
| 1980                     |                          | 1992                     |                          | 1980                         |                          | 1992                       |                          |
| Country or area          | Share a/<br>(percentage) | Country or area          | Share a/<br>(percentage) | Country or area              | Share b/<br>(percentage) | Country or area            | Share b/<br>(percentage) |
| Non-ferrous metals (372) |                          |                          |                          |                              |                          |                            |                          |
| United States of America | 30.2                     | United States of America | 26.3                     | Chile                        | 16.5                     | Chile                      | 15.4                     |
| Japan                    | 18.5                     | Japan                    | 19.7                     | Brazil                       | 13.1                     | Brazil                     | 14.7                     |
| France                   | 6.7                      | Germany, western part    | 6.3                      | Peru                         | 10.6                     | Turkey                     | 9.2                      |
| Germany, western part    | 5.7                      | France                   | 6.0                      | Mexico                       | 9.4                      | Republic of Korea          | 8.9                      |
| United Kingdom           | 5.1                      | Canada                   | 5.3                      | Yugoslavia (former)          | 8.4                      | Peru                       | 6.6                      |
| Canada                   | 4.3                      | United Kingdom           | 4.0                      | Turkey                       | 6.5                      | Mexico                     | 6.9                      |
| Italy                    | 3.6                      | Italy                    | 4.0                      | Argentina                    | 5.8                      | Argentina                  | 5.0                      |
| Australia                | 2.9                      | Australia                | 2.5                      | India                        | 3.3                      | India                      | 4.8                      |
| Chile                    | 2.1                      | Chile                    | 2.4                      | Venezuela                    | 3.3                      | Venezuela                  | 4.2                      |
| Norway                   | 1.7                      | Brazil                   | 2.3                      | Republic of Korea            | 2.6                      | Taiwan Province            | 4.1                      |
| Brazil                   | 1.6                      | Norway                   | 1.9                      | Taiwan Province              | 2.5                      | Cuba                       | 3.6                      |
| Spain                    | 1.6                      | Turkey                   | 1.5                      | Cuba                         | 2.3                      | Egypt                      | 2.1                      |
| Peru                     | 1.3                      | Republic of Korea        | 1.4                      | Egypt                        | 2.0                      | Malaysia                   | 1.1                      |
| Switzerland              | 1.3                      | Spain                    | 1.4                      | Ghana                        | 1.4                      | Ghana                      | 0.7                      |
| Mexico                   | 1.2                      | Netherlands              | 1.3                      | Myanmar                      | 1.4                      | Iran (Islamic Republic of) | 0.7                      |
| Sum of above             | 87.7                     | Sum of above             | 86.2                     | Sum of above                 | 89.1                     | Sum of above               | 86.8                     |
| Metal products (381)     |                          |                          |                          |                              |                          |                            |                          |
| United States of America | 27.6                     | United States of America | 27.5                     | Brazil                       | 16.6                     | Brazil                     | 12.6                     |
| Japan                    | 14.1                     | Japan                    | 14.3                     | Argentina                    | 15.3                     | Mexico                     | 11.9                     |
| Germany, western part    | 10.3                     | Germany, western part    | 11.4                     | Yugoslavia (former)          | 12.0                     | Argentina                  | 11.2                     |
| France                   | 6.2                      | France                   | 6.2                      | Mexico                       | 9.7                      | Turkey                     | 6.6                      |
| United Kingdom           | 5.6                      | United Kingdom           | 6.2                      | Taiwan Province              | 3.7                      | Taiwan Province            | 6.4                      |
| Spain                    | 3.9                      | Spain                    | 4.1                      | India                        | 3.7                      | Republic of Korea          | 6.9                      |
| Italy                    | 3.7                      | Italy                    | 2.7                      | Hong Kong                    | 3.2                      | India                      | 4.6                      |
| Canada                   | 2.7                      | Canada                   | 2.1                      | Turkey                       | 3.2                      | Hong Kong                  | 4.1                      |
| Brazil                   | 2.0                      | Netherlands              | 1.8                      | Republic of Korea            | 2.5                      | Malaysia                   | 3.6                      |
| Argentina                | 1.9                      | Brazil                   | 1.7                      | Venezuela                    | 2.0                      | Indonesia                  | 2.1                      |
| Netherlands              | 1.7                      | Austria                  | 1.6                      | Philippines                  | 1.6                      | Trinidad and Tobago        | 1.6                      |
| Sweden                   | 1.7                      | Belgium                  | 1.6                      | Iran (Islamic Republic of)   | 1.6                      | Venezuela                  | 1.7                      |
| Australia                | 1.7                      | Sweden                   | 1.6                      | Nigeria                      | 1.4                      | Chile                      | 1.7                      |
| Belgium                  | 1.5                      | Mexico                   | 1.6                      | Chile                        | 1.3                      | Iran (Islamic Republic of) | 1.6                      |
| Yugoslavia (former)      | 1.5                      | Australia                | 1.5                      | Malaysia                     | 1.2                      | Thailand                   | 1.4                      |
| Sum of above             | 86.2                     | Sum of above             | 83.9                     | Sum of above                 | 79.2                     | Sum of above               | 77.3                     |

a/ In world total value added (excluding eastern Europe and former USSR) at constant 1980 prices.

b/ In total value added of developing countries at constant 1980 prices.

TABLE 1.8

## LEADING PRODUCERS IN SELECTED BRANCHES, 1980 AND 1992

| World leading countries        |                          |                          |                          | Leading developing countries |                          |                            |                          |
|--------------------------------|--------------------------|--------------------------|--------------------------|------------------------------|--------------------------|----------------------------|--------------------------|
| 1980                           |                          | 1992                     |                          | 1980                         |                          | 1992                       |                          |
| Country or area                | Share a/<br>(percentage) | Country or area          | Share a/<br>(percentage) | Country or area              | Share b/<br>(percentage) | Country or area            | Share b/<br>(percentage) |
| Non-electrical machinery (382) |                          |                          |                          |                              |                          |                            |                          |
| United States of America       | 30.9                     | United States of America | 35.7                     | Brazil                       | 33.8                     | Republic of Korea          | 19.9                     |
| Japan                          | 14.3                     | Japan                    | 17.4                     | Mexico                       | 10.6                     | Brazil                     | 17.1                     |
| Germany, western part          | 14.1                     | Germany, western part    | 12.5                     | Yugoslavia (former)          | 9.9                      | India                      | 12.0                     |
| France                         | 9.5                      | France                   | 6.8                      | Argentina                    | 9.4                      | Turkey                     | 7.3                      |
| United Kingdom                 | 7.0                      | United Kingdom           | 6.5                      | India                        | 8.2                      | Argentina                  | 6.7                      |
| Italy                          | 5.2                      | Italy                    | 3.9                      | Republic of Korea            | 3.7                      | Mexico                     | 6.1                      |
| Brazil                         | 2.5                      | Canada                   | 1.4                      | Turkey                       | 3.5                      | Taiwan Province            | 5.0                      |
| Switzerland                    | 1.6                      | Switzerland              | 1.4                      | Taiwan Province              | 2.6                      | Malaysia                   | 4.6                      |
| Sweden                         | 1.4                      | Republic of Korea        | 1.4                      | Singapore                    | 1.6                      | Singapore                  | 2.4                      |
| Canada                         | 1.3                      | Brazil                   | 1.2                      | Philippines                  | 1.1                      | Iran (Islamic Republic of) | 1.6                      |
| Belgium                        | 1.0                      | Sweden                   | 1.0                      | Malaysia                     | 1.0                      | Hong Kong                  | 1.1                      |
| Netherlands                    | 1.0                      | Netherlands              | 0.9                      | Iran (Islamic Republic of)   | 0.9                      | Colombia                   | 0.7                      |
| Spain                          | 0.9                      | Austria                  | 0.8                      | Peru                         | 0.8                      | Chile                      | 0.7                      |
| Austria                        | 0.9                      | India                    | 0.8                      | Hong Kong                    | 0.7                      | Egypt                      | 0.6                      |
| Australia                      | 0.8                      | Belgium                  | 0.8                      | Chile                        | 0.7                      | Philippines                | 0.6                      |
| Sum of above                   | 92.4                     | Sum of above             | 92.3                     | Sum of above                 | 88.5                     | Sum of above               | 86.2                     |
| Electrical machinery (383)     |                          |                          |                          |                              |                          |                            |                          |
| United States of America       | 27.7                     | Japan                    | 28.5                     | Brazil                       | 18.0                     | Republic of Korea          | 20.6                     |
| Japan                          | 17.4                     | United States of America | 22.9                     | Mexico                       | 9.7                      | India                      | 16.6                     |
| Germany, western part          | 15.3                     | Germany, western part    | 13.7                     | Taiwan Province              | 9.0                      | Taiwan Province            | 14.4                     |
| France                         | 6.8                      | France                   | 4.7                      | Yugoslavia (former)          | 8.4                      | Malaysia                   | 11.2                     |
| United Kingdom                 | 6.3                      | United Kingdom           | 4.3                      | India                        | 7.4                      | Brazil                     | 6.6                      |
| Italy                          | 4.1                      | Italy                    | 2.9                      | Republic of Korea            | 7.3                      | Turkey                     | 4.8                      |
| Spain                          | 1.9                      | Republic of Korea        | 2.6                      | Argentina                    | 5.8                      | Hong Kong                  | 4.1                      |
| Netherlands                    | 1.9                      | India                    | 2.1                      | Hong Kong                    | 4.3                      | Singapore                  | 3.7                      |
| Brazil                         | 1.7                      | Taiwan Province          | 1.8                      | Singapore                    | 4.1                      | Mexico                     | 2.6                      |
| Canada                         | 1.5                      | Spain                    | 1.6                      | Malaysia                     | 3.5                      | Iran (Islamic Republic of) | 2.3                      |
| Switzerland                    | 1.5                      | Malaysia                 | 1.4                      | Turkey                       | 2.9                      | Argentina                  | 1.2                      |
| Belgium                        | 1.2                      | Netherlands              | 1.3                      | Iran (Islamic Republic of)   | 2.3                      | Pakistan                   | 1.2                      |
| Sweden                         | 1.1                      | Sweden                   | 1.2                      | Philippines                  | 1.4                      | Philippines                | 0.9                      |
| Austria                        | 0.9                      | Canada                   | 1.1                      | Venezuela                    | 1.2                      | Venezuela                  | 0.7                      |
| Mexico                         | 0.9                      | Austria                  | 1.0                      | Colombia                     | 1.1                      | Indonesia                  | 0.6                      |
| Sum of above                   | 90.1                     | Sum of above             | 91.1                     | Sum of above                 | 86.3                     | Sum of above               | 91.2                     |

a/ In world total value added (excluding eastern Europe and former USSR) at constant 1980 prices

b/ In total value added of developing countries at constant 1980 prices.

TABLE 1.9

STRUCTURE OF MVA IN SELECTED COUNTRY GROUPS SELECTED YEARS<sup>a/</sup>

(Percentage)

| Branch (ISIC)                  | Year   | Industrialized countries       |                |       |       |               |               | Developing countries |                        |        |               |
|--------------------------------|--------|--------------------------------|----------------|-------|-------|---------------|---------------|----------------------|------------------------|--------|---------------|
|                                |        | Eastern Europe and former USSR | Western Europe |       | Japan | North America | All countries | NICs                 | Second-generation NICs | Others | All countries |
|                                |        |                                | EC b/          | Other |       |               |               |                      |                        |        |               |
| Food products (311/2)          | 1980   | 14.4                           | 9.9            | 10.2  | 7.7   | 7.3           | 10.1          | 13.3                 | 19.2                   | 19.2   | 15.5          |
|                                | 1985   | 14.0                           | 10.5           | 10.1  | 6.7   | 7.2           | 10.1          | 13.3                 | 17.7                   | 19.9   | 15.5          |
|                                | 1990   | 15.0                           | 10.3           | 9.5   | 5.8   | 6.9           | 9.9           | 12.0                 | 15.6                   | 20.0   | 14.4          |
|                                | 1992c/ | 15.1                           | 11.1           | 10.0  | 6.1   | 7.1           | 9.9           | 12.2                 | 15.3                   | ...    | 14.4          |
| Beverages (313)                | 1980   | 3.4                            | 2.3            | 1.7   | 1.8   | 1.4           | 2.3           | 2.3                  | 4.4                    | 5.2    | 3.3           |
|                                | 1985   | 2.8                            | 2.4            | 1.8   | 1.4   | 1.3           | 2.0           | 2.1                  | 4.1                    | 4.8    | 3.0           |
|                                | 1990   | 2.2                            | 2.4            | 1.9   | 1.2   | 1.3           | 1.8           | 2.1                  | 4.2                    | 5.0    | 3.1           |
|                                | 1992c/ | 2.7                            | 2.4            | 2.0   | 1.3   | 1.3           | 2.0           | 2.2                  | 4.3                    | ...    | 3.2           |
| Tobacco (314)                  | 1980   | 0.8                            | 0.7            | 0.5   | 0.6   | 0.7           | 0.7           | 1.0                  | 4.1                    | 4.3    | 2.2           |
|                                | 1985   | 0.8                            | 0.7            | 0.4   | 0.4   | 0.6           | 0.6           | 1.0                  | 4.3                    | 5.1    | 2.5           |
|                                | 1990   | 0.7                            | 0.6            | 0.3   | 0.3   | 0.5           | 0.5           | 0.8                  | 3.8                    | 4.5    | 2.2           |
|                                | 1992c/ | 0.8                            | 0.6            | 0.3   | 0.4   | 0.6           | 0.6           | 0.8                  | 3.3                    | ...    | 2.1           |
| Textiles (321)                 | 1980   | 8.7                            | 4.5            | 3.2   | 4.1   | 3.1           | 5.0           | 9.8                  | 9.9                    | 10.2   | 9.9           |
|                                | 1985   | 7.8                            | 4.3            | 2.8   | 3.3   | 2.7           | 4.6           | 9.1                  | 10.2                   | 9.7    | 9.4           |
|                                | 1990   | 7.3                            | 3.7            | 2.4   | 2.5   | 2.5           | 4.0           | 7.7                  | 9.3                    | 8.7    | 8.2           |
|                                | 1992c/ | 7.2                            | 3.8            | 2.3   | 2.4   | 2.7           | 3.8           | 7.6                  | 8.7                    | ...    | 8.0           |
| wearing apparel (322)          | 1980   | 4.3                            | 2.9            | 2.4   | 1.4   | 2.6           | 3.0           | 3.8                  | 3.4                    | 2.9    | 3.5           |
|                                | 1985   | 4.1                            | 2.7            | 2.0   | 1.2   | 2.2           | 2.7           | 4.0                  | 2.6                    | 2.5    | 3.4           |
|                                | 1990   | 4.1                            | 2.1            | 1.3   | 0.9   | 2.0           | 2.4           | 3.6                  | 2.8                    | 2.2    | 3.2           |
|                                | 1992c/ | 4.4                            | 2.0            | 1.2   | 0.9   | 2.0           | 2.2           | 3.4                  | 2.8                    | ...    | 3.0           |
| Leather and fur products (323) | 1980   | 0.7                            | 0.6            | 0.3   | 0.2   | 0.2           | 0.5           | 0.7                  | 0.3                    | 0.8    | 0.7           |
|                                | 1985   | 0.6                            | 0.6            | 0.3   | 0.2   | 0.2           | 0.4           | 0.8                  | 0.3                    | 0.7    | 0.7           |
|                                | 1990   | 0.5                            | 0.5            | 0.3   | 0.1   | 0.2           | 0.4           | 0.6                  | 0.3                    | 0.6    | 0.6           |
|                                | 1992c/ | 0.5                            | 0.5            | 0.2   | 0.1   | 0.1           | 0.3           | 0.6                  | 0.3                    | ...    | 0.5           |
| Footwear (324)                 | 1980   | 1.1                            | 1.0            | 0.7   | 0.2   | 0.4           | 0.8           | 1.3                  | 0.5                    | 1.4    | 1.2           |
|                                | 1985   | 1.1                            | 0.9            | 0.7   | 0.2   | 0.3           | 0.7           | 1.2                  | 0.5                    | 1.1    | 1.1           |
|                                | 1990   | 1.1                            | 0.7            | 0.4   | 0.1   | 0.2           | 0.6           | 1.0                  | 0.4                    | 0.9    | 0.8           |
|                                | 1992c/ | 1.1                            | 0.6            | 0.4   | 0.1   | 0.1           | 0.6           | 0.8                  | 0.4                    | ...    | 0.8           |
| Wood and cork products (331)   | 1980   | 1.5                            | 1.6            | 5.0   | 2.4   | 2.9           | 2.2           | 2.5                  | 3.7                    | 2.1    | 2.6           |
|                                | 1985   | 1.5                            | 1.4            | 4.5   | 1.6   | 3.3           | 2.1           | 2.6                  | 2.7                    | 1.9    | 2.5           |
|                                | 1990   | 1.4                            | 1.4            | 4.6   | 1.3   | 3.3           | 2.0           | 2.1                  | 3.6                    | 2.0    | 2.4           |
|                                | 1992c/ | 1.6                            | 1.5            | 4.2   | 1.3   | 3.2           | 2.1           | 2.1                  | 3.6                    | ...    | 2.3           |

a/ Percentage shares of individual branches in total MVA at 1980 constant prices.

b/ In 1992 including estimates for the eastern part of Germany.

c/ 1991 for developing countries.

TABLE 1.9  
(continued)

STRUCTURE OF MVA IN SELECTED COUNTRY GROUPS, SELECTED YEARS<sup>a/</sup>

(Percentage)

| Branch (ISIC)                          | Year   | Industrialized countries       |                |       |       |               |               | Developing countries |                        |        |               |
|--|--------|--------------------------------|----------------|-------|-------|---------------|---------------|----------------------|------------------------|--------|---------------|
|  |        | Eastern Europe and former USSR | western Europe |       | Japan | North America | All countries | NICs                 | Second-generation NICs | Others | All countries |
|  |        |                                | EC D/          | Other |       |               |               |                      |                        |        |               |
| Furniture fixtures excl metallic (332) | 1980   | 1.2                            | 2.4            | 3.1   | 1.0   | 2.0           | 1.9           | 1.5                  | 0.7                    | 1.1    | 1.3           |
|  | 1985   | 1.2                            | 2.0            | 2.7   | 0.7   | 2.3           | 1.7           | 1.4                  | 0.6                    | 1.1    | 1.2           |
|  | 1990   | 1.3                            | 2.1            | 3.0   | 0.6   | 2.2           | 1.8           | 1.1                  | 0.5                    | 1.1    | 1.0           |
|  | 1992c/ | 1.4                            | 2.1            | 3.2   | 0.5   | 2.2           | 1.8           | 1.2                  | 0.5                    | ...    | 1.0           |
| Paper (341)                            | 1980   | 1.0                            | 2.4            | 7.9   | 2.9   | 4.4           | 2.8           | 2.5                  | 1.8                    | 2.3    | 2.3           |
|  | 1985   | 1.0                            | 2.5            | 8.2   | 2.7   | 4.4           | 2.9           | 2.6                  | 2.0                    | 2.1    | 2.4           |
|  | 1990   | 0.9                            | 2.6            | 8.3   | 2.9   | 4.4           | 3.0           | 2.7                  | 2.0                    | 2.3    | 2.5           |
|  | 1992c/ | 1.0                            | 2.6            | 8.6   | 3.0   | 4.4           | 3.2           | 2.7                  | 1.9                    | ...    | 2.6           |
| Printing and publishing (342)          | 1980   | 0.7                            | 3.6            | 5.8   | 4.5   | 5.7           | 3.7           | 3.1                  | 1.8                    | 2.1    | 2.7           |
|  | 1985   | 0.7                            | 3.5            | 6.6   | 4.0   | 6.2           | 3.8           | 3.0                  | 1.7                    | 1.8    | 2.6           |
|  | 1990   | 0.8                            | 3.8            | 6.9   | 3.6   | 6.7           | 4.0           | 3.0                  | 1.3                    | 1.9    | 2.4           |
|  | 1992c/ | 0.8                            | 3.7            | 6.7   | 4.0   | 6.6           | 4.3           | 2.9                  | 1.3                    | ...    | 2.4           |
| Industrial chemicals (351)             | 1980   | 5.5                            | 5.0            | 4.0   | 3.0   | 4.2           | 4.6           | 4.3                  | 3.7                    | 3.3    | 4.0           |
|  | 1985   | 5.4                            | 5.5            | 4.4   | 2.6   | 4.2           | 4.7           | 5.3                  | 5.2                    | 4.3    | 5.1           |
|  | 1990   | 5.4                            | 5.1            | 4.1   | 2.6   | 4.4           | 4.6           | 5.5                  | 5.0                    | 4.6    | 5.2           |
|  | 1992c/ | 4.4                            | 5.8            | 4.2   | 2.8   | 4.7           | 4.7           | 5.8                  | 4.7                    | ...    | 5.4           |
| Other chemicals (352)                  | 1980   | 2.1                            | 3.5            | 3.5   | 3.3   | 3.8           | 3.2           | 4.8                  | 4.3                    | 4.6    | 4.7           |
|  | 1985   | 2.0                            | 3.9            | 3.6   | 3.4   | 4.0           | 3.4           | 5.0                  | 4.1                    | 4.6    | 4.8           |
|  | 1990   | 2.0                            | 4.1            | 3.7   | 3.6   | 4.2           | 3.6           | 5.5                  | 4.1                    | 4.9    | 5.1           |
|  | 1992c/ | 2.2                            | 4.3            | 4.1   | 3.9   | 4.5           | 4.0           | 5.7                  | 4.1                    | ...    | 5.2           |
| Petroleum refineries (353)             | 1980   | 2.1                            | 2.5            | 1.3   | 1.4   | 2.4           | 2.2           | 2.4                  | 10.5                   | 12.2   | 5.9           |
|  | 1985   | 1.8                            | 1.9            | 1.3   | 1.0   | 2.0           | 1.8           | 2.3                  | 9.6                    | 13.1   | 6.0           |
|  | 1990   | 1.8                            | 1.7            | 1.4   | 0.9   | 1.9           | 1.7           | 2.3                  | 8.6                    | 15.7   | 6.4           |
|  | 1992c/ | 1.6                            | 2.0            | 1.4   | 1.0   | 1.9           | 1.7           | 2.4                  | 8.5                    | ...    | 6.2           |
| Prods of petroleum and coal (354)      | 1980   | 2.0                            | 0.3            | 0.3   | 0.2   | 0.3           | 0.7           | 0.6                  | 1.1                    | 0.5    | 0.7           |
|  | 1985   | 1.9                            | 0.3            | 0.3   | 0.2   | 0.2           | 0.7           | 0.8                  | 1.0                    | 0.6    | 0.8           |
|  | 1990   | 2.1                            | 0.2            | 0.2   | 0.1   | 0.2           | 0.6           | 0.7                  | 1.0                    | 0.8    | 0.8           |
|  | 1992c/ | 2.2                            | 0.2            | 0.2   | 0.1   | 0.2           | 0.5           | 0.7                  | 1.0                    | ...    | 0.8           |
| Rubber products (355)                  | 1980   | 1.5                            | 1.4            | 0.9   | 1.1   | 0.9           | 1.3           | 1.8                  | 2.4                    | 1.2    | 1.7           |
|  | 1985   | 1.5                            | 1.4            | 0.9   | 1.0   | 1.0           | 1.2           | 1.8                  | 2.2                    | 1.1    | 1.7           |
|  | 1990   | 1.2                            | 1.3            | 0.8   | 1.0   | 1.0           | 1.1           | 1.6                  | 2.5                    | 1.3    | 1.7           |
|  | 1992c/ | 1.1                            | 1.3            | 0.7   | 1.0   | 1.1           | 1.1           | 1.6                  | 2.8                    | ...    | 1.8           |

a/ Percentage shares of individual branches in total MVA at 1980 constant prices  
b/ In 1992 including estimates for the eastern part of Germany.  
c/ 1991 for developing countries

TABLE 1.9  
(continued)

STRUCTURE OF MVA IN SELECTED COUNTRY GROUPS, SELECTED YEARS<sup>a/</sup>

(Percentage)

| Branch (ISIC)                           | Year   | Industrialized countries       |                |       |       |               |               | Developing countries |                        |        |               |
|---|--------|--------------------------------|----------------|-------|-------|---------------|---------------|----------------------|------------------------|--------|---------------|
|   |        | Eastern Europe and former USSR | Western Europe |       | Japan | North America | All countries | NICs                 | Second-generation NICs | Others | All countries |
|   |        |                                | EC b/          | Other |       |               |               |                      |                        |        |               |
| Plastic products (356)                  | 1980   | 0.7                            | 2.2            | 1.8   | 2.5   | 1.6           | 1.7           | 2.2                  | 1.0                    | 1.6    | 1.9           |
|   | 1985   | 0.8                            | 2.5            | 1.8   | 2.4   | 1.9           | 1.9           | 2.5                  | 0.9                    | 1.4    | 2.0           |
|   | 1990   | 0.7                            | 3.0            | 1.9   | 2.4   | 2.1           | 2.1           | 2.4                  | 0.9                    | 1.5    | 1.9           |
|   | 1992c/ | 0.8                            | 3.0            | 1.7   | 2.4   | 2.2           | 2.3           | 2.4                  | 0.9                    | ...    | 1.9           |
| Pottery, china, earthenware (361)       | 1980   | 0.6                            | 0.9            | 0.3   | 0.4   | 0.2           | 0.5           | 0.6                  | 0.5                    | 0.4    | 0.5           |
|   | 1985   | 0.6                            | 0.7            | 0.3   | 0.3   | 0.2           | 0.5           | 0.6                  | 0.4                    | 0.3    | 0.5           |
|   | 1990   | 0.6                            | 0.7            | 0.3   | 0.3   | 0.1           | 0.4           | 0.5                  | 0.4                    | 0.3    | 0.5           |
|   | 1992c/ | 0.6                            | 0.7            | 0.3   | 0.3   | 0.1           | 0.4           | 0.6                  | 0.4                    | ...    | 0.5           |
| Glass (362)                             | 1980   | 0.6                            | 1.1            | 0.8   | 0.7   | 0.9           | 0.8           | 1.0                  | 0.9                    | 0.7    | 0.9           |
|   | 1985   | 0.6                            | 1.2            | 0.8   | 0.6   | 0.7           | 0.8           | 0.9                  | 1.1                    | 0.6    | 0.9           |
|   | 1990   | 0.6                            | 1.2            | 0.9   | 0.6   | 0.7           | 0.8           | 1.0                  | 1.2                    | 0.7    | 1.0           |
|   | 1992c/ | 0.7                            | 1.2            | 0.9   | 0.5   | 0.7           | 0.8           | 1.0                  | 1.2                    | ...    | 1.0           |
| Other non-metallic mineral prods. (369) | 1980   | 3.4                            | 3.0            | 3.1   | 3.1   | 2.3           | 3.0           | 4.2                  | 4.6                    | 4.7    | 4.4           |
|   | 1985   | 3.2                            | 2.5            | 2.5   | 2.6   | 2.2           | 2.6           | 3.6                  | 4.6                    | 4.8    | 4.0           |
|   | 1990   | 3.2                            | 2.5            | 2.3   | 2.3   | 2.0           | 2.6           | 3.4                  | 4.6                    | 5.0    | 4.0           |
|   | 1992c/ | 3.3                            | 2.5            | 2.0   | 2.3   | 1.8           | 2.4           | 3.6                  | 4.8                    | ...    | 4.1           |
| Iron and steel (371)                    | 1980   | 4.4                            | 5.5            | 3.8   | 10.3  | 5.2           | 5.7           | 6.1                  | 3.6                    | 2.9    | 5.0           |
|   | 1985   | 3.9                            | 5.0            | 4.1   | 8.7   | 3.9           | 4.9           | 6.1                  | 4.1                    | 2.9    | 5.0           |
|   | 1990   | 3.4                            | 4.4            | 3.6   | 7.6   | 3.6           | 4.4           | 6.2                  | 4.6                    | 2.6    | 5.1           |
|   | 1992c/ | 3.4                            | 4.0            | 3.7   | 7.3   | 3.6           | 4.3           | 6.2                  | 4.6                    | ...    | 5.1           |
| Non-ferrous metals (372)                | 1980   | 2.1                            | 1.5            | 2.1   | 2.9   | 2.6           | 2.1           | 1.2                  | 1.1                    | 2.9    | 1.6           |
|   | 1985   | 1.9                            | 1.4            | 2.0   | 2.5   | 2.4           | 2.0           | 1.4                  | 1.6                    | 3.0    | 1.8           |
|   | 1990   | 1.6                            | 1.4            | 2.1   | 2.5   | 2.2           | 1.9           | 1.5                  | 1.3                    | 2.8    | 1.7           |
|   | 1992c/ | 1.6                            | 1.4            | 2.1   | 2.6   | 2.2           | 1.9           | 1.4                  | 1.0                    | ...    | 1.7           |
| Metal products (381)                    | 1980   | 3.0                            | 6.1            | 7.4   | 8.9   | 7.0           | 5.8           | 5.5                  | 3.6                    | 3.6    | 4.8           |
|   | 1985   | 3.2                            | 5.6            | 7.5   | 5.6   | 6.6           | 5.4           | 5.1                  | 3.6                    | 3.2    | 4.4           |
|   | 1990   | 3.0                            | 5.8            | 7.8   | 5.5   | 6.2           | 5.3           | 4.7                  | 3.8                    | 3.1    | 4.2           |
|   | 1992c/ | 2.9                            | 5.6            | 7.6   | 5.5   | 5.9           | 5.4           | 4.5                  | 3.7                    | ...    | 4.1           |
| Non-electrical machinery (382)          | 1980   | 18.8                           | 12.1           | 11.8  | 12.2  | 12.9          | 13.8          | 6.9                  | 2.6                    | 2.2    | 5.2           |
|   | 1985   | 21.3                           | 12.0           | 12.0  | 13.9  | 13.2          | 14.8          | 6.0                  | 2.8                    | 2.5    | 4.7           |
|   | 1990   | 23.0                           | 12.5           | 12.3  | 15.1  | 14.8          | 15.8          | 6.1                  | 2.8                    | 1.8    | 4.5           |
|   | 1992c/ | 23.1                           | 11.5           | 11.4  | 13.6  | 15.0          | 14.6          | 5.8                  | 3.2                    | ...    | 4.4           |

a/ Percentage shares of individual branches in total MVA at 1980 constant prices.

b/ In 1992 including estimates for the eastern part of Germany.

c/ 1991 for developing countries.

TABLE 1.9  
(continued)

STRUCTURE OF MVA IN SELECTED COUNTRY GROUPS, SELECTED YEARS<sup>a/</sup>

(Percentage)

| Branch (ISIC)                 | Year   | Industrialized countries       |                |       |       |               |                             | Developing countries |                        |        |               |
|-------------------------------|--------|--------------------------------|----------------|-------|-------|---------------|-----------------------------|----------------------|------------------------|--------|---------------|
|                               |        | Eastern Europe and former USSR | Western Europe |       | Japan | North America | All countries <sup>c/</sup> | NICs                 | Second-generation NICs | Others | All countries |
|                               |        |                                | EC b/          | Other |       |               |                             |                      |                        |        |               |
| Electrical machinery (383)    | 1980   | 4.5                            | 9.5            | 8.1   | 12.0  | 9.5           | 8.5                         | 6.5                  | 4.2                    | 2.5    | 5.2           |
|                               | 1985   | 4.9                            | 10.7           | 9.0   | 20.5  | 10.3          | 10.2                        | 7.4                  | 5.1                    | 2.7    | 5.9           |
|                               | 1990   | 4.5                            | 11.1           | 10.7  | 23.7  | 10.1          | 10.9                        | 10.8                 | 7.5                    | 2.6    | 6.4           |
|                               | 1992c/ | 4.1                            | 10.8           | 11.4  | 23.9  | 10.5          | 11.4                        | 10.7                 | 8.6                    | ...    | 8.6           |
| Transport equipment (384)     | 1980   | 6.7                            | 10.6           | 6.2   | 10.0  | 10.5          | 9.1                         | 6.6                  | 4.6                    | 3.6    | 5.7           |
|                               | 1985   | 6.0                            | 10.7           | 6.2   | 9.0   | 11.9          | 9.4                         | 6.1                  | 5.4                    | 2.6    | 5.1           |
|                               | 1990   | 5.7                            | 11.6           | 5.7   | 8.8   | 11.4          | 9.4                         | 6.1                  | 6.3                    | 1.8    | 5.2           |
|                               | 1992c/ | 5.1                            | 11.4           | 5.6   | 9.1   | 10.8          | 9.5                         | 6.2                  | 6.7                    | ...    | 6.4           |
| Prof. scient. equipment (385) | 1980   | 2.6                            | 1.5            | 2.8   | 1.8   | 3.4           | 2.3                         | 0.8                  | 0.5                    | 0.2    | 0.6           |
|                               | 1985   | 2.8                            | 1.6            | 2.2   | 2.2   | 3.2           | 2.4                         | 0.8                  | 0.5                    | 0.2    | 0.6           |
|                               | 1990   | 2.8                            | 1.5            | 2.5   | 2.3   | 3.3           | 2.4                         | 1.1                  | 0.6                    | 0.2    | 0.8           |
|                               | 1992c/ | 3.0                            | 1.6            | 2.8   | 2.0   | 3.2           | 2.4                         | 1.0                  | 0.6                    | ...    | 0.8           |
| Other manufactures (390)      | 1980   | 2.6                            | 1.4            | 1.2   | 1.4   | 1.6           | 1.7                         | 2.5                  | 1.1                    | 1.3    | 2.0           |
|                               | 1985   | 2.8                            | 1.6            | 1.0   | 1.2   | 1.4           | 1.7                         | 3.2                  | 1.1                    | 1.5    | 2.6           |
|                               | 1990   | 3.1                            | 1.7            | 0.8   | 1.5   | 1.5           | 1.9                         | 3.9                  | 1.0                    | 1.1    | 2.7           |
|                               | 1992c/ | 3.3                            | 1.8            | 0.9   | 1.6   | 1.5           | 1.9                         | 4.0                  | 1.0                    | ...    | 2.8           |
| Total manufacturing (3)       | 1980   | 100.0                          | 100.0          | 100.0 | 100.0 | 100.0         | 100.0                       | 100.0                | 100.0                  | 100.0  | 100.0         |
|                               | 1985   | 100.0                          | 100.0          | 100.0 | 100.0 | 100.0         | 100.0                       | 100.0                | 100.0                  | 100.0  | 100.0         |
|                               | 1990   | 100.0                          | 100.0          | 100.0 | 100.0 | 100.0         | 100.0                       | 100.0                | 100.0                  | 100.0  | 100.0         |
|                               | 1992c/ | 100.0                          | 100.0          | 100.0 | 100.0 | 100.0         | 100.0                       | 100.0                | 100.0                  | 100.0  | 100.0         |

a/ Percentage shares of individual branches in total MVA at 1980 constant prices

b/ In 1992 including estimates for the eastern part of Germany.

c/ 1991 for developing countries.

TABLE 1.10

ANNUAL GROWTH OF VALUE ADDED OF BRANCHES, SELECTED COUNTRY GROUPS, 1975-1985 AND 1985-1992<sup>a/</sup>

(Percentage)

| Branch (ISIC)                            | Industrialized countries<br>excluding<br>eastern Europe<br>and former USSR |           | Eastern Europe<br>and former USSR |           | All countries |           | Developing countries |           |                           |           |           |           |
|--|--|-----------|-----------------------------------|-----------|---------------|-----------|----------------------|-----------|---------------------------|-----------|-----------|-----------|
|  |  |           |                                   |           |               |           | NICs                 |           | Second-generation<br>NICs |           | Others    |           |
|  | 1975-1985  | 1985-1992 | 1975-1985                         | 1985-1992 | 1975-1985     | 1985-1992 | 1975-1985            | 1985-1992 | 1975-1985                 | 1985-1992 | 1975-1985 | 1985-1992 |
| Food products (311/2)                    | 2.1  | 2.3       | 2.4                               | 2.4b/     | 3.4           | 2.6       | 2.9                  | 1.7       | 5.1                       | 5.8       | 3.4       | 2.3       |
| Beverages (313)                          | 1.7  | 2.2       | 0.9                               | -0.3b/    | 4.1           | 4.4       | 3.5                  | 4.0c/     | 6.8                       | 9.2       | 3.6       | 2.1b/     |
| Tobacco (314)                            | -0.3   | 0.4       | 2.2                               | -2.4b/    | 2.4           | 1.8       | 2.0                  | 0.5       | 5.5                       | 3.0       | 1.3       | 0.6b/     |
| Textiles (321)                           | -0.2   | -0.2      | 1.7                               | 0.6b/     | 1.7           | 0.7       | 1.7                  | -0.4      | 3.2                       | 4.5       | 1.0       | 0.3       |
| wearing apparel (322)                    | -0.9   | -1.3      | 3.1                               | 1.6b/     | 2.1           | 2.0c/     | 2.4                  | 0.8c/     |                           |           | 1.1       |           |
| Leather and fur products (323)           | -1.2   | -2.8      | 1.7                               | -1.2b/    | 1.6           | -0.9c/    | 1.7                  | -2.4c/    | 1.3                       | 8.4       | 1.4       |           |
| Footwear (324)                           | -1.2   | -4.2      | 2.8                               | 2.1b/     | 1.4           | -1.6c/    | 1.7                  | -2.2c/    | 4.4                       | 5.6       | -0.0      |           |
| Wood and cork products (331)             | 0.1  | 1.2       | 2.1                               | 0.5b/     | 2.9           | 2.9c/     | 3.1                  | -0.5c/    | 5.7                       | 11.9      | 0.5       | 2.2b/     |
| Furniture, fixtures excl. metallic (332) | 0.7  | 2.4       | 4.3                               | 2.4b/     |               |           |                      |           |                           |           |           |           |
| Paper (341)                              | 2.9  | 2.8       | 3.0                               | 0.7b/     | 4.7           | 3.9       | 5.2                  | 3.3       | 5.3                       | 7.9       | 3.1       | 2.4b/     |
| Printing and publishing (342)            | 2.9  | 3.1       | 2.8                               | 2.7b/     | 1.7           | 3.1c/     | 1.2                  | 3.0c/     |                           |           | 2.3       |           |
| Industrial chemicals (351)               | 2.5  | 2.4       | 3.6                               | 1.2b/     | 7.9           | 4.2       | 7.9                  | 4.7       | 10.4                      | 4.1       | 6.6       | 2.4b/     |
| Other chemicals (352)                    | 3.3  | 4.2       | 3.1                               | 0.8b/     | 3.9           | 4.7       | 4.1                  | 4.8       | 5.2                       | 8.4       | 2.9       |           |
| Petroleum refineries (353)               | -2.1   | 1.8       | 1.4                               | 0.6b/     | 4.2           | 5.1c/     | 3.3                  | 4.1       | 4.5                       | 5.3c/     | 4.4       | 5.3c/     |
| Prods. of petroleum and coal (354)       | -1.5   | 0.4       | 2.3                               | 2.7b/     | 6.6           |           | 7.3                  | 2.3c/     | 4.3                       |           |           |           |
| Rubber products (355)                    | 0.9  | 1.8       | 3.3                               | -1.6b/    | 3.6           | 4.3       | 3.7                  | 0.9       | 3.5                       | 12.5      | 3.5       | 4.1c/     |
| Plastic products (356)                   | 4.5  | 4.3       | 5.3                               | 1.0b/     | 5.4           | 2.1       | 6.3                  | 1.3       |                           |           |           |           |
| Pottery, china, earthenware (361)        | 0.1  | 1.3       | 5.2                               | 1.9b/     | 2.5           | 2.7       | 3.0                  | 1.2       | 0.8                       | 9.5       |           |           |
| Glass (362)                              | 1.9  | 2.2       | 4.3                               | 2.0b/     | 3.3           | 5.1c/     | 2.2                  | 3.7c/     | 9.2                       | 9.8       | 2.4       | 4.5c/     |
| Other non-metallic mineral prods (369)   | 0.2  | 1.1       | 2.1                               | 1.6b/     | 4.0           | 4.1       | 2.9                  | 2.4       | 4.8                       | 10.0      | 5.4       | 2.9b/     |
| Iron and steel (371)                     | -0.9   | 0.8       | 1.4                               | -1.3b/    | 4.4           | 3.4       | 3.8                  | 3.0       | 7.4                       | 7.9       | 5.2       | 0.5       |
| Non-ferrous metals (372)                 | 1.1  | 2.2       | 1.7                               | -2.0b/    | 4.7           | 2.5       | 3.3                  | 4.1c/     | 6.7                       | 0.3       | 5.9       | 7.4       |
| Metal products (381)                     | 0.7  | 1.9       | 4.8                               | 0.7b/     | 2.9           | 2.1c/     | 3.1                  | 1.2c/     | 4.5                       | 8.1       |           |           |
| Non-electrical machinery (382)           | 2.5  | 3.6       | 6.4                               | 3.0b/     | 2.5           | 2.0       | 1.6                  | 1.5       | 7.9                       | 10.0      | 4.2       |           |
| Electrical machinery (383)               | 5.7  | 4.0       | 5.3                               | 0.3b/     | 6.2           | 8.9       | 6.7                  | 8.4       | 6.7                       | 16.1      | 3.5       |           |
| Transport equipment (384)                | 1.6  | 2.3       | 4.5                               | 0.5b/     | 2.2           | 5.2       | 2.4                  | 3.7       | 4.1                       | 13.6      | -0.1      |           |
| Prof. scient. equipment (385)            | 2.6  | 2.9       | 5.6                               | 2.0b/     |               |           | 9.4                  | 7.4c/     |                           |           |           |           |
| Other manufactures (390)                 | 1.7  | 4.8       | 6.2                               | 3.4b/     | 6.0           |           | 6.5                  |           |                           |           |           |           |

a/ At constant 1980 prices

b/ Figure refers to the period 1985-1990

c/ Figure refers to the period 1985-1991

TABLE 1.11

## SHARE OF FEMALES IN TOTAL EMPLOYMENT BY BRANCH, SELECTED YEARS

(Percentage)

| Branch (ISIC)                            | Afghanistan |      | Australia |      | Austria |      | Bangladesh |      | Canada |      |
|--|-------------|------|-----------|------|---------|------|------------|------|--------|------|
|  | 1985        | 1988 | 1985      | 1990 | 1985    | 1991 | 1985       | 1990 | 1985   | 1991 |
| Food products (311/2)                    | 13.4        | 22.3 | 30.4      | 32.9 | 40.2    | 41.2 | 6.9        | 6.9  | 32.1   | 32.3 |
| Beverages (313)                          | 17.1        | 12.4 | 18.6      | 20.3 | 19.2    | 23.1 | 0.2        | -    | 12.9   | 13.6 |
| Tobacco (314)                            | ...         | ...  | 41.1      | 38.3 | 40.0    | 42.9 | -          | 10.3 | 42.9   | 40.0 |
| Textiles (321)                           | 4.9         | 11.8 | 48.6      | 46.6 | 69.4    | 67.1 | 1.4        | 2.3  | 43.8   | 43.6 |
| Wearing apparel (322)                    | 56.7        | 40.7 | 83.6      | 77.1 | 89.0    | 86.4 | 63.2       | 71.2 | 76.2   | 76.2 |
| Leather and fur products (323)           | -           | -    | 33.0      | 31.3 | 67.7    | 66.7 | -          | 0.2  | 48.4   | 40.0 |
| Footwear (324)                           | 37.4        | 38.1 | 61.9      | 64.4 | 69.2    | 71.4 | 1.8        | -    | 66.8   | 66.7 |
| Wood and cork products (331)             | ...         | ...  | 12.9      | 13.0 | 16.8    | 17.6 | 0.3        | 16.8 | 8.0    | 7.7  |
| Furniture, fixtures excl. metallic (332) | ...         | ...  | 19.8      | 21.1 | 18.3    | 21.2 | 0.2        | 6.0  | 21.2   | 23.6 |
| Paper (341)                              | -           | -    | 18.3      | 17.6 | 22.3    | 20.0 | 1.0        | 0.6  | 13.3   | 12.8 |
| Printing and publishing (342)            | 3.3         | 3.9  | 33.9      | 36.1 | 36.7    | 33.3 | 0.1        | 1.3  | 36.6   | 41.0 |
| Industrial chemicals (351)               | 1.7         | 8.4  | 11.6      | 14.2 | 17.2    | 20.0 | 1.1        | 2.8  | 16.9   | 16.6 |
| Other chemicals (352)                    | 12.2        | 13.3 | 36.4      | 35.7 | 42.0    | 38.9 | 6.3        | 4.1  | 34.1   | 37.9 |
| Petroleum refineries (353)               | ...         | ...  | 4.2       | 7.5  | 20.6    | 26.0 | 1.0        | 1.6  | 18.8   | 21.4 |
| Prods. of petroleum and coal (354)       | ...         | ...  | 8.2       | 6.6  | 9.1     | 10.0 | -          | 1.7  | -      | -    |
| Rubber products (355)                    | ...         | ...  | 17.1      | 14.7 | 26.3    | 16.7 | 0.2        | -    | 16.0   | 17.4 |
| Plastic products (356)                   | 6.3         | 5.8  | 33.6      | 30.6 | 36.1    | 36.7 | -          | 0.9  | 36.4   | 36.0 |
| Pottery, china, earthenware (361)        | ...         | ...  | 31.3      | 32.0 | 48.3    | 46.7 | 2.3        | 4.1  | -      | -    |
| Glass (362)                              | ...         | ...  | 10.8      | 14.3 | 37.1    | 33.3 | 0.3        | 4.6  | 23.1   | 18.2 |
| Other non-metallic mineral prods. (369)  | 2.6         | 3.6  | 8.8       | 9.2  | 12.3    | 12.0 | 1.2        | 0.4  | 6.2    | 7.9  |
| Iron and steel (371)                     | ...         | 19.9 | 7.4       | 7.6  | 11.6    | 9.1  | 0.2        | -    | 6.6    | 6.9  |
| Non-ferrous metals (372)                 | ...         | ...  | 8.0       | 7.6  | 16.6    | 22.2 | ...        | ...  | 6.7    | 9.8  |
| Metal products (381)                     | ...         | ...  | 17.7      | 16.9 | 22.2    | 21.1 | 1.0        | 0.7  | 16.7   | 14.6 |
| Non-electrical machinery (382)           | ...         | ...  | 16.2      | 18.6 | 13.9    | 12.2 | 0.9        | 2.0  | 16.6   | 16.9 |
| Electrical machinery (383)               | ...         | ...  | 36.1      | 30.8 | 36.1    | 34.6 | 1.9        | 2.9  | 36.8   | 36.1 |
| Transport equipment (384)                | ...         | ...  | 10.2      | 13.6 | 16.6    | 16.1 | 1.1        | 0.3  | 13.6   | 14.4 |
| Prof., scient. equipment (385)           | ...         | ...  | 46.6      | 42.6 | 60.7    | 42.9 | -          | 4.1  | 41.7   | 36.8 |
| Other manufactures (390)                 | 37.7        | 30.9 | 34.2      | 31.7 | 37.3    | 26.6 | 0.4        | 20.6 | 39.0   | 36.6 |
| Total manufacturing (3)                  | 11.7        | 17.9 | 26.1      | 26.6 | 31.3    | 29.1 | 3.3        | 14.0 | 26.4   | 26.3 |



TABLE 1.11

## SHARE OF FEMALES IN TOTAL EMPLOYMENT BY BRANCH, SELECTED YEARS

(Percentage)

| Branch (ISIC)                            | Chile |      | Colombia |      | Cyprus |      | Denmark |      | Ethiopia |      |
|--|-------|------|----------|------|--------|------|---------|------|----------|------|
|  | 1985  | 1991 | 1987     | 1991 | 1985   | 1992 | 1985    | 1992 | 1985     | 1989 |
| Food products (311/2)                    | 22.4  | 28.8 | 25.2     | 26.4 | 43.0   | 43.7 | 33.2    | 43.8 | 17.2     | 18.3 |
| Beverages (313)                          | 8.7   | 9.6  | 15.3     | 14.1 | 29.0   | 29.3 | 22.9    | 24.9 | 19.2     | 21.1 |
| Tobacco (314)                            | 10.2  | 9.6  | 23.7     | 24.3 | 54.0   | 55.2 | 63.9    | 54.8 | 41.7     | 34.6 |
| Textiles (321)                           | 27.2  | 31.0 | 35.5     | 35.5 | 76.0   | 77.3 | 55.2    | 59.8 | 45.6     | 45.5 |
| wearing apparel (322)                    | 51.9  | 65.7 | 81.1     | 80.7 | 86.0   | 94.0 | 87.0    | 93.9 | 56.9     | 75.2 |
| Leather and fur products (323)           | 7.2   | 10.0 | 36.5     | 48.5 | 63.0   | 71.7 | 60.7    | 64.2 | 17.4     | 17.9 |
| Footwear (324)                           | 35.8  | 33.4 | 47.9     | 50.6 | 60.0   | 66.6 | 60.1    | 48.9 | 36.9     | 38.5 |
| Wood and cork products (331)             | 2.4   | 5.1  | 14.9     | 17.0 | 8.0    | 10.3 | 13.9    | 19.3 | 13.5     | 8.7  |
| Furniture, fixtures excl. metallic (332) | 9.2   | 8.5  | 20.4     | 22.1 | 11.0   | 20.0 | 21.5    | 27.0 | 6.5      | 12.5 |
| Paper (341)                              | 6.7   | 6.2  | 19.0     | 20.1 | 41.0   | 39.0 | 24.7    | 27.5 | 20.9     | 26.3 |
| Printing and publishing (342)            | 13.7  | 15.4 | 32.8     | 35.4 | 33.0   | 38.8 | 30.5    | 38.0 | 32.0     | 33.9 |
| Industrial chemicals (351)               | 9.3   | 8.0  | 11.9     | 13.2 | 19.8   | 25.3 | 25.2    | 30.5 | 17.3     | 20.5 |
| Other chemicals (352)                    | 34.3  | 31.9 | 42.1     | 42.6 | 42.0   | 48.4 | 41.7    | 45.5 | 33.4     | 35.5 |
| Petroleum refineries (353)               | 6.0   | 7.3  | 5.8      | 11.2 | 6.0    | 7.0  | 8.5     | 11.7 | 6.1      | 10.5 |
| Prods. of petroleum and coal (354)       | 8.0   | 3.7  | 13.0     | 12.2 | ...    | ...  | 12.6    | 11.8 | ...      | ...  |
| Rubber products (355)                    | 14.0  | 9.8  | 13.6     | 13.7 | 29.2   | 26.1 | 22.2    | 25.3 | 24.9     | 25.8 |
| Plastic products (356)                   | 14.1  | 15.8 | 35.5     | 34.3 | 32.0   | 34.5 | 40.7    | 40.2 | 35.5     | 38.0 |
| Pottery, china, earthenware (361)        | 9.0   | 18.9 | 25.5     | 21.1 | 40.7   | 72.7 | 49.1    | 75.9 | ...      | ...  |
| Glass (362)                              | 5.7   | 5.1  | 12.0     | 14.2 | 7.7    | 24.3 | 25.5    | 29.7 | 20.5     | 20.4 |
| Other non-metallic mineral prods (369)   | 4.8   | 4.4  | 8.3      | 9.5  | 12.0   | 12.7 | 12.2    | 15.9 | 7.5      | 9.1  |
| Iron and steel (371)                     | 6.1   | 3.0  | 9.5      | 9.2  | ...    | ...  | 12.5    | 15.1 | 6.2      | 7.0  |
| Non-ferrous metals (372)                 | 2.0   | 2.7  | 12.7     | 13.0 | ...    | ...  | 17.5    | 20.1 | ...      | ...  |
| Metal products (381)                     | 7.2   | 5.3  | 17.2     | 18.0 | 12.0   | 15.2 | 20.2    | 21.8 | 12.4     | 13.4 |
| Non-electrical machinery (382)           | 1.7   | 4.5  | 13.5     | 14.1 | 7.0    | 14.8 | 18.4    | 21.0 | ...      | ...  |
| Electrical machinery (383)               | 13.0  | 12.2 | 30.5     | 30.5 | 43.1   | 35.5 | 35.0    | 37.9 | 14.5     | 15.1 |
| Transport equipment (384)                | 4.5   | 5.9  | 11.1     | 13.7 | 15.1   | 17.1 | 8.9     | 12.3 | 17.0     | 17.0 |
| Prof. scient. equipment (385)            | 20.3  | 22.3 | 41.9     | 47.2 | ...    | 55.7 | 41.3    | 44.3 | ...      | ...  |
| Other manufactures (390)                 | 34.0  | 30.2 | 44.2     | 40.4 | 29.0   | 43.9 | 47.1    | 51.3 | ...      | ...  |
| Total manufacturing (3)                  | 18.0  | 21.1 | 30.5     | 31.7 | 45.5   | 50.8 | 29.2    | 33.7 | 31.1     | 32.2 |

TABLE 1.11

## SHARE OF FEMALES IN TOTAL EMPLOYMENT BY BRANCH, SELECTED YEARS

(Percentage)

| Branch (ISIC)                            | Germany, western part |      | Hungary |      | Iran (Islamic Rep of) |      | Iraq |      | Jordan |      |
|--|-----------------------|------|---------|------|-----------------------|------|------|------|--------|------|
|  | 1985                  | 1990 | 1985    | 1990 | 1985                  | 1991 | 1987 | 1991 | 1985   | 1991 |
| Food products (311/2)                    | 45.1                  | 48.4 | 44.1    | 41.4 | ...                   | 5.3  | 14.8 | 19.9 | 9.1    | 7.2  |
| Beverages (313)                          | 16.8                  | 17.3 | 42.3    | 40.0 | ...                   | 2.4  | 21.1 | 16.3 | 9.8    | 12.0 |
| Tobacco (314)                            | 44.0                  | 32.2 | 60.0    | 40.0 | ...                   | 15.6 | 17.8 | 29.9 | 6.6    | 4.1  |
| Textiles (321)                           | 49.3                  | 46.9 | 65.4    | 59.2 | ...                   | 5.6  | 22.0 | 24.7 | 32.2   | 30.8 |
| Wearing apparel (322)                    | 82.3                  | 84.5 | 88.1    | 71.0 | ...                   | 40.2 | 70.7 | 86.6 | 31.2   | 34.1 |
| Leather and fur products (323)           | 52.9                  | 57.4 | 58.3    | 90.0 | ...                   | 3.1  | 1.1  | -    | 2.0    | 29.3 |
| Footwear (324)                           | 56.6                  | 52.6 | 66.7    | 67.9 | ...                   | 6.9  | 19.4 | 30.7 | 13.7   | 18.7 |
| Wood and cork products (331)             | 16.9                  | 18.3 | 33.3    | 33.3 | ...                   | 2.3  | ...  | ...  | 0.2    | -    |
| Furniture, fixtures excl. metallic (332) | 22.7                  | 22.6 | 31.0    | 30.8 | ...                   | 2.0  | ...  | ...  | 0.4    | 0.4  |
| Paper (341)                              | 30.0                  | 28.8 | 40.0    | 38.5 | ...                   | 2.6  | ...  | ...  | 14.1   | 14.0 |
| Printing and publishing (342)            | 26.8                  | 27.2 | 52.6    | 47.6 | ...                   | 6.6  | ...  | ...  | 6.6    | 6.1  |
| Industrial chemicals (351)               | 17.5                  | 17.5 | 40.6    | 37.8 | ...                   | 2.6  | ...  | ...  | 3.6    | 6.1  |
| Other chemicals (352)                    | 38.7                  | 37.7 | 60.0    | 60.0 | ...                   | 16.2 | ...  | ...  | 26.6   | 27.2 |
| Petroleum refineries (353)               | ...                   | ...  | 33.3    | 33.3 | ...                   | 2.4  | ...  | ...  | 2.3    | 2.0  |
| Prods. of petroleum and coal (354)       | ...                   | ...  | ...     | ...  | ...                   | 0.4  | ...  | ...  | ...    | ...  |
| Rubber products (355)                    | 26.5                  | 24.4 | 36.4    | 37.6 | ...                   | 3.0  | ...  | ...  | ...    | 7.8  |
| Plastic products (356)                   | 30.5                  | 30.0 | 53.8    | 44.4 | ...                   | 4.0  | ...  | ...  | 2.2    | 3.4  |
| Pottery, china, earthenware (361)        | 49.5                  | 48.8 | 60.0    | 60.0 | ...                   | 16.6 | ...  | ...  | 4.7    | 4.6  |
| Glass (362)                              | 22.1                  | 21.3 | 41.2    | 40.0 | ...                   | 2.4  | ...  | ...  | 4.1    | 1.1  |
| Other non-metallic mineral prods (369)   | 14.1                  | 15.1 | 30.6    | 28.6 | ...                   | 1.8  | ...  | ...  | 0.7    | 1.1  |
| Iron and steel (371)                     | 8.7                   | 8.5  | 28.1    | 27.3 | ...                   | 0.8  | ...  | ...  | 1.2    | 2.0  |
| Non-ferrous metals (372)                 | 14.2                  | 15.2 | 36.0    | 30.0 | ...                   | 2.2  | ...  | ...  | 1.3    | 3.4  |
| Metal products (381)                     | 20.7                  | 22.0 | 40.4    | 34.0 | ...                   | 2.4  | 5.2  | 6.8  | 1.7    | 1.3  |
| Non-electrical machinery (382)           | 16.7                  | 16.7 | 26.4    | 22.8 | ...                   | 7.6  | 14.8 | 9.9  | 1.0    | 3.6  |
| Electrical machinery (383)               | 38.3                  | 37.7 | 47.4    | 46.0 | ...                   | 13.6 | 24.4 | 24.9 | 21.0   | 12.0 |
| Transport equipment (384)                | 14.7                  | 14.6 | 26.3    | 25.4 | ...                   | 2.4  | 16.3 | 23.6 | 1.3    | 24.3 |
| Prof. scient. equipment (385)            | 38.6                  | 40.2 | 43.4    | 40.9 | ...                   | 11.0 | 75.0 | ...  | ...    | 40.1 |
| Other manufactures (390)                 | 50.2                  | 50.4 | 96.6    | 62.8 | ...                   | 6.3  | ...  | ...  | 0.1    | 22.0 |
| Total manufacturing (3)                  | 27.2                  | 27.1 | 46.8    | 41.3 | ...                   | 6.4  | 17.2 | 21.1 | 7.4    | 9.1  |

TABLE 1.11

## SHARE OF FEMALES IN TOTAL EMPLOYMENT BY BRANCH, SELECTED YEARS

(Percentage)

| Branch (ISIC)                            | Kenya |      | Macau |      | Malaysia |      | Nepal |      | New Zealand |      |
|--|-------|------|-------|------|----------|------|-------|------|-------------|------|
|  | 1985  | 1991 | 1985  | 1992 | 1985     | 1991 | 1985  | 1991 | 1985        | 1991 |
| Food products (311/2)                    | ...   | 19.6 | 28.1  | 26.8 | 33.1     | 35.3 | 7.3   | 12.8 | ...         | 28.8 |
| Beverages (313)                          | ...   | 6.2  | 18.9  | 23.1 | 29.8     | 34.0 | 9.0   | 10.9 | ...         | 26.8 |
| Tobacco (314)                            | ...   | 7.8  | 48.1  | 45.5 | 46.7     | 46.5 | 12.1  | 8.9  | ...         | 43.6 |
| Textiles (321)                           | ...   | 8.6  | 68.6  | 69.1 | 64.1     | 67.8 | 38.3  | 41.5 | ...         | 47.2 |
| Wearing apparel (322)                    | ...   | 24.9 | 72.4  | 76.6 | 89.4     | 86.3 | 22.3  | 11.5 | ...         | 83.1 |
| Leather and fur products (323)           | ...   | 19.0 | 53.8  | 43.0 | 66.7     | 66.7 | 2.1   | 5.4  | ...         | 30.4 |
| Footwear (324)                           | ...   | 1.2  | 45.3  | 58.7 | 55.6     | 57.1 | 12.8  | 16.8 | ...         | 56.9 |
| Wood and cork products (331)             | ...   | 8.7  | 12.6  | 3.9  | 24.1     | 27.7 | 4.6   | 3.9  | ...         | 12.4 |
| Furniture, fixtures excl. metallic (332) | ...   | 2.9  | 7.9   | 4.3  | 25.6     | 30.6 | 2.6   | 4.0  | ...         | 23.8 |
| Paper (341)                              | ...   | 4.8  | 10.3  | 14.3 | 38.6     | 32.7 | 8.6   | 11.8 | ...         | 18.0 |
| Printing and publishing (342)            | ...   | 13.7 | 18.6  | 25.4 | 38.6     | 42.6 | 7.8   | 12.4 | ...         | 41.9 |
| Industrial chemicals (351)               | ...   | 13.1 | ...   | ...  | 15.9     | 16.5 | ...   | ...  | ...         | 21.8 |
| Other chemicals (352)                    | ...   | 17.1 | 44.7  | 47.6 | 41.4     | 40.3 | 14.0  | 20.2 | ...         | 41.8 |
| Petroleum refineries (353)               | ...   | 7.2  | ...   | ...  | 7.1      | 8.3  | ...   | ...  | ...         | 11.7 |
| Prods. of petroleum and coal (354)       | ...   | ...  | ...   | ...  | 9.1      | 11.1 | ...   | ...  | ...         | 18.0 |
| Rubber products (355)                    | ...   | 6.0  | 5.9   | 15.4 | 41.8     | 60.8 | 3.2   | 8.6  | ...         | 17.9 |
| Plastic products (356)                   | ...   | 9.3  | 12.6  | 31.2 | 53.9     | 53.6 | 12.7  | 10.7 | ...         | 28.4 |
| Pottery, china, earthenware (361)        | ...   | 5.7  | 40.2  | 23.0 | 55.5     | 56.4 | ...   | ...  | ...         | 40.0 |
| Glass (362)                              | ...   | 0.4  | -     | -    | 13.0     | 13.9 | ...   | ...  | ...         | 16.3 |
| Other non-metallic mineral prods. (369)  | ...   | 2.8  | 30.0  | 14.4 | 21.5     | 19.4 | 14.7  | 20.2 | ...         | 13.0 |
| Iron and steel (371)                     | ...   | ...  | ...   | ...  | 13.2     | 12.3 | 0.6   | 1.5  | ...         | 11.8 |
| Non-ferrous metals (372)                 | ...   | ...  | ...   | ...  | 16.1     | 16.1 | ...   | ...  | ...         | 11.6 |
| Metal products (381)                     | ...   | 5.7  | 6.2   | 5.8  | 30.8     | 29.4 | 1.5   | 3.0  | ...         | 19.2 |
| Non-electrical machinery (382)           | ...   | 1.9  | -     | 18.6 | 17.3     | 33.7 | ...   | ...  | ...         | 15.0 |
| Electrical machinery (383)               | ...   | 2.6  | 43.4  | 71.7 | 73.7     | 72.7 | 2.3   | 6.6  | ...         | 36.0 |
| Transport equipment (384)                | ...   | 2.1  | 2.5   | 2.2  | 19.8     | 21.4 | ...   | ...  | ...         | 13.4 |
| Prof., scient. equipment (385)           | ...   | 15.4 | 51.8  | 60.6 | 70.7     | 71.1 | 37.2  | ...  | ...         | 51.3 |
| Other manufactures (390)                 | ...   | 24.6 | 14.3  | 68.2 | 69.5     | 62.7 | 7.5   | 18.0 | ...         | 41.5 |
| Total manufacturing (3)                  | ...   | 11.3 | 54.5  | 57.8 | 44.8     | 50.8 | 16.4  | 24.7 | ...         | 29.6 |

TABLE 1.11

## SHARE OF FEMALES IN TOTAL EMPLOYMENT BY BRANCH, SELECTED YEARS

(Percentage)

| Branch (ISIC)                           | Panama |      | Republic of Korea |      | Sweden |      | Turkey |      | United Kingdom |      |
|---|--------|------|-------------------|------|--------|------|--------|------|----------------|------|
|   | 1985   | 1989 | 1985              | 1990 | 1985   | 1990 | 1985   | 1990 | 1985           | 1990 |
| Food products (311/2)                   | ...    | 20.6 | 43.9              | 48.8 | 37.9   | 38.0 | 11.2   | 18.2 | 42.0           | 41.0 |
| Beverages (313)                         | ...    | 14.1 | 20.3              | 25.4 | 22.7   | 27.1 | 7.9    | 9.0  | 20.4           | 24.9 |
| Tobacco (314)                           | ...    | 20.9 | 32.5              | 30.6 | 60.0   | 54.6 | 52.0   | 37.8 | 46.2           | 38.2 |
| Textiles (321)                          | ...    | 37.8 | 64.7              | 57.4 | 50.6   | 52.3 | 16.6   | 31.8 | 56.3           | 47.9 |
| Wearing apparel (322)                   | ...    | 82.4 | 76.3              | 72.7 | 79.8   | 80.6 | -      | -    | 83.3           | 78.7 |
| Leather and fur products (323)          | ...    | 9.3  | 36.4              | 37.3 | 31.3   | 46.6 | 17.6   | 22.6 | 41.1           | 41.9 |
| Footwear (324)                          | ...    | 42.1 | 49.2              | 49.3 | 60.0   | 57.1 | 7.6    | 16.7 | 66.9           | 66.2 |
| Wood and cork products (331)            | ...    | 4.6  | 25.3              | 26.1 | 13.5   | 16.4 | 3.9    | 8.1  | 23.7           | 14.7 |
| Furniture, fixtures excl metallic (332) | ...    | 11.1 | 23.7              | 28.0 | 28.0   | 31.6 | 12.1   | 6.8  | 21.8           | 21.8 |
| Paper (341)                             | ...    | 12.6 | 23.6              | 23.6 | 22.3   | 21.3 | 9.8    | 7.3  | 29.8           | 28.7 |
| Printing and publishing (342)           | ...    | 19.0 | 26.3              | 28.9 | 33.6   | 36.3 | -      | -    | 36.0           | 36.4 |
| Industrial chemicals (351)              | ...    | 5.5  | 16.6              | 16.7 | 20.6   | 23.6 | 2.3    | 4.5  | 18.4           | 17.4 |
| Other chemicals (352)                   | ...    | 23.9 | 37.0              | 37.0 | 41.3   | 42.4 | 25.1   | 22.8 | 37.6           | 38.9 |
| Petroleum refineries (353)              | ...    | ...  | 8.3               | 4.2  | 6.3    | 6.3  | 1.8    | 3.8  | 11.7           | 16.8 |
| Prods. of petroleum and coal (354)      | ...    | 8.0  | 7.8               | 11.8 | 11.8   | 11.1 | -      | -    | 6.3            | 6.0  |
| Rubber products (355)                   | ...    | 29.0 | 61.0              | 58.7 | 30.0   | 30.6 | 6.2    | 7.7  | 23.9           | 24.4 |
| Plastic products (356)                  | ...    | 14.5 | 25.3              | 28.2 | 39.7   | 39.1 | 10.6   | 20.9 | 31.9           | 32.3 |
| Pottery, china, earthenware (361)       | ...    | ...  | 53.6              | 50.0 | 41.9   | 39.1 | 6.8    | 14.0 | 29.4           | 16.0 |
| Glass (362)                             | ...    | 3.4  | 24.9              | 22.4 | 28.2   | 30.4 | 3.8    | 6.4  | 10.8           | 9.1  |
| Other non-metallic mineral prods (369)  | ...    | 8.3  | 16.4              | 18.7 | 13.2   | 13.6 | 4.8    | 6.2  | 16.3           | 16.6 |
| Iron and steel (371)                    | ...    | -    | 7.1               | 7.6  | 16.6   | 16.1 | 0.9    | 3.1  | 9.9            | 6.8  |
| Non-ferrous metals (372)                | ...    | 3.6  | 12.0              | 12.3 | 18.5   | 18.8 | 2.8    | 3.4  | 11.0           | 9.8  |
| Metal products (381)                    | ...    | 7.7  | 17.8              | 19.8 | 20.6   | 21.4 | 9.8    | 9.0  | 21.8           | 18.2 |
| Non-electrical machinery (382)          | ...    | 9.3  | 16.7              | 16.0 | 16.9   | 17.7 | 2.6    | 5.7  | 16.8           | 16.9 |
| Electrical machinery (383)              | ...    | 12.1 | 50.9              | 49.1 | 33.8   | 34.6 | 11.8   | 22.8 | 29.6           | 30.0 |
| Transport equipment (384)               | ...    | 4.6  | 9.1               | 12.7 | 16.3   | 19.6 | 4.3    | 6.8  | 11.0           | 11.2 |
| Prof., scient. equipment (385)          | ...    | 32.9 | 48.3              | 40.7 | 31.1   | 30.7 | 16.3   | 26.6 | 32.4           | 32.3 |
| Other manufactures (390)                | ...    | ...  | 56.6              | 49.0 | 41.0   | 41.4 | 32.1   | 26.4 | 46.6           | 44.0 |
| Total manufacturing (3)                 | ...    | 26.4 | 42.1              | 38.7 | 26.3   | 26.0 | 11.7   | 15.2 | 29.6           | 28.3 |

TABLE 1.12

## SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Country or area  | Food products (311/2) |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
|--|-----------------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|------------------------------------|------|------|-------------------|------|------|
|  | Latest year           | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |
|  |                       | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) |  |      |      | Costs of labour                    |      |      |                   |      |      |
|  |                       | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | 1980                                   | 1985 | LY   | 1980                               | 1985 | LY   | 1980              | 1985 | LY   |
| <b>Industrialized countries b/</b>                     |                       |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Australia  | 1991                  | 2.5                                  | 55.0                         | 0.2                                  | 20.3                         | 71.8                                   | 69.5 | 64.0 | 14.4                               | 14.3 | 13.3 | 13.8              | 16.2 | 22.7 |
| Austria  | 1991                  |                                      | 47.4                         | 1.6                                  | 24.5                         | 79.1                                   | 78.8 | 76.8 | 11.5                               | 11.0 | 12.0 | 9.4               | 10.1 | 11.2 |
| Belgium  | 1992                  | 3.4                                  | 85.0                         | 0.2                                  | 22.5                         | 78.5                                   | 78.0 | 81.3 | 5.9                                | 5.1  | 4.9  | 15.6              | 16.9 | 13.7 |
| Canada   | 1992                  | 0.7                                  | 68.7                         | -0.1                                 | 25.1                         | 75.6                                   | 72.0 | 85.4 | 11.0                               | 11.3 | 12.6 | 13.4              | 16.7 | 22.0 |
| Denmark  | 1991                  | -0.1                                 | 51.5                         | -1.4                                 | 26.0                         | 75.7                                   | 76.1 | 70.7 | 12.3                               | 11.4 | 14.8 | 12.0              | 12.5 | 14.5 |
| Finland  | 1992                  | 3.7                                  | 54.7                         | 2.2                                  | 25.0                         | 78.3                                   | 76.8 | 76.5 | 9.4                                | 9.2  | 10.8 | 12.3              | 14.0 | 12.8 |
| France   | 1992                  | 1.5                                  | 64.6                         |                                      |                              | 76.4                                   | 74.6 | 71.6 | 14.4                               | 14.7 |      | 9.2               | 10.7 |      |
| Germany, western part                                  | 1992                  | 1.9                                  | 87.3                         | 0.8                                  | 27.8                         | 68.3                                   | 74.9 | 66.2 | 9.6                                | 9.0  | 10.8 | 22.2              | 16.1 | 23.0 |
| Greece   | 1992                  | 1.6                                  | 37.1                         | 1.6                                  | 12.0                         | 76.4                                   | 77.5 | 70.6 | 8.6                                | 9.1  | 9.5  | 14.9              | 13.4 | 19.9 |
| Iceland  | 1991                  |                                      | 31.0                         | 1.7                                  | 26.1                         | 69.2                                   | 74.3 | 77.7 | 16.7                               | 15.9 | 18.8 | 14.1              | 9.8  | 3.6  |
| Ireland  | 1990                  | 7.4                                  | 82.7                         | 0.4                                  | 20.1                         | 78.5                                   | 76.6 | 71.4 | 9.1                                | 7.8  | 7.0  | 12.4              | 15.6 | 21.7 |
| Israel   | 1991                  |                                      | 28.5                         |                                      | 15.6                         | 74.4                                   | 75.4 | 70.4 | 11.7                               | 12.2 | 16.3 | 13.8              | 12.4 | 13.3 |
| Italy  | 1991                  | 1.9                                  | 66.1                         |                                      |                              | 75.4                                   | 83.8 | 79.5 | 7.7                                | 7.1  | 12.4 | 16.9              | 9.1  | 8.1  |
| Japan  | 1992                  | -0.5                                 | 74.2                         | 1.0                                  | 23.2                         | 68.6                                   | 67.4 | 61.2 | 10.4                               | 10.8 | 12.1 | 21.1              | 21.7 | 26.7 |
| Luxembourg   | 1990                  | -3.8                                 | 33.9                         | -0.6                                 | 18.0                         | 83.4                                   | 79.0 | 75.5 | 9.9                                | 11.3 | 13.0 | 6.8               | 9.7  | 11.5 |
| Netherlands  | 1990                  | 3.3                                  | 54.0                         | 3.0                                  | 31.9                         | 82.5                                   | 84.7 | 81.1 | 8.7                                | 9.9  | 11.1 | 8.8               | 6.4  | 7.7  |
| New Zealand  | 1990                  |                                      | 29.3                         | -1.4                                 | 17.8                         | 73.3                                   | 72.9 | 77.7 | 20.1                               | 16.7 | 13.6 | 6.6               | 10.4 | 8.7  |
| Norway   | 1992                  | 1.1                                  | 44.9                         | 2.9                                  | 34.4                         | 84.7                                   | 88.2 | 84.0 | 11.4                               | 10.9 | 12.3 | 3.9               | 0.9  | 3.8  |
| South Africa   | 1992                  | 0.3                                  | 14.8                         | 1.9                                  | 7.7                          | 79.6                                   | 77.0 | 72.0 | 9.5                                | 10.4 | 14.5 | 10.9              | 12.6 | 13.4 |
| Spain  | 1991                  |                                      | 42.4                         | 0.4                                  | 15.0                         | 76.6                                   | 77.1 | 75.7 | 8.7                                | 7.2  | 8.6  | 14.7              | 15.7 | 15.8 |
| Sweden   | 1992                  | 1.2                                  | 57.5                         | 0.7                                  | 26.8                         | 69.4                                   | 71.9 | 79.6 | 10.8                               | 8.7  | 9.5  | 19.8              | 19.3 | 10.9 |
| United Kingdom   | 1992                  | 2.2                                  | 56.0                         | 1.9                                  | 20.9                         | 71.1                                   | 69.8 | 64.8 | 11.5                               | 11.2 | 13.2 | 17.4              | 19.0 | 22.0 |
| United States of America                               | 1991                  | 2.3                                  | 91.6                         | -0.7                                 | 22.4                         | 72.0                                   | 66.5 | 63.8 | 8.7                                | 9.0  | 8.8  | 19.3              | 24.4 | 27.4 |
| <b>Countries of eastern Europe and the former USSR</b> |                       |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Armenia  | 1991                  |                                      | 1.3                          |                                      | 1.6                          |  |      | 95.9 |                                    |      | 3.8  |                   |      | 0.4  |
| Bulgaria   | 1992                  |                                      |                              |                                      | 1.2                          |  |      |      | 3.5                                | 2.8  | 5.6  |                   |      |      |
| Czech Republic   | 1992                  |                                      |                              |                                      | 1.9                          |  |      |      |                                    |      | 6.9  |                   |      |      |
| Hungary  | 1992                  |                                      |                              | 1.2                                  | 3.1                          | 88.1                                   | 92.4 |      | 5.2                                | 5.4  | 12.0 | 6.8               | 1.2  |      |
| Kyrgyzstan   | 1992                  |                                      |                              |                                      | 1.3                          |  |      |      |                                    |      | 6.8  |                   |      |      |
| Latvia   | 1992                  |                                      |                              |                                      | 1.8                          |  |      |      |                                    |      | 6.0  |                   |      |      |
| Poland   | 1990                  |                                      | 7.1                          |                                      | 1.3                          |  |      | 67.3 |                                    |      | 5.8  |                   |      | 26.9 |
| Republic of Moldova                                    | 1991                  |                                      |                              |                                      | 1.6                          |  |      |      |                                    |      | 4.3  |                   |      |      |
| Romania  | 1989                  |                                      | 18.0                         |                                      |                              |  |      | 79.8 |                                    |      |      |                   |      |      |
| Ukraine  | 1992                  |                                      |                              |                                      | 2.5                          |  |      |      |                                    |      | 6.5  |                   |      |      |
| <b>Developing countries</b>                            |                       |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Argentina  | 1990                  |                                      | 4.1                          | 23.8                                 |                              | 65.7                                   | 52.5 | 75.7 | 7.7                                | 9.3  | 5.2  | 26.6              | 38.1 | 19.0 |
| Bahamas  | 1991                  |                                      |                              | 34.7                                 |                              |  |      | 36.1 |                                    |      | 26.8 |                   |      | 37.1 |
| Bangladesh   | 1990                  |                                      | -4.2                         | 2.4                                  | 0.9                          | 68.6                                   | 68.8 | 79.3 | 7.2                                | 7.0  | 5.5  | 24.2              | 24.2 | 15.1 |
| Barbados   | 1992                  |                                      | 4.2                          | 18.0                                 | 0.8                          | 79.7                                   | 76.8 | 69.2 | 11.5                               | 14.7 | 20.1 | 8.7               | 9.5  | 10.7 |
| Belize   | 1992                  |                                      |                              | 10.1                                 | 4.7                          |  |      | 78.3 |                                    |      | 10.0 |                   |      | 11.7 |

a/ At current prices

b/ Excluding countries of eastern Europe and the former USSR

TABLE 1 12  
(continued)

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Country or area                | Latest year | Food products (311/2)                |                              |                                      |                              |  |      |      |                 |      |      |                   |      |      |
|--------------------------------|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|-----------------|------|------|-------------------|------|------|
|                                |             | Value added per employee             |                              | Wages per employee                   |                              | Percentage in output <sup>a/</sup>     |      |      |                 |      |      |                   |      |      |
|                                |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) | Costs of input materials and utilities |      |      | Costs of labour |      |      | Operating surplus |      |      |
|                                |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY              | 1980 | 1985 | LY                | 1980 | 1985 |
| Bhutan                         | 1989        |                                      | 2.5                          |                                      | 0.6                          |  |      | 75.3 |                 |      | 6.4  |                   |      | 18.3 |
| Bolivia                        | 1991        |                                      | 10.3                         |                                      | 2.6                          | 74.0                                   | 57.1 | 77.0 | 6.9             | 4.1  | 5.7  | 19.0              | 38.9 | 17.3 |
| Brazil                         | 1990        | 1.6                                  | 21.1                         |                                      | 3.7                          | 69.7                                   | 65.7 | 68.1 | 5.4             | 5.0  | 5.7  | 24.9              | 28.3 | 26.2 |
| Burundi                        | 1991        |                                      |                              |                                      | 3.2                          | 31.8                                   |      | 23.3 | 1.4             |      | 6.3  | 66.9              |      | 70.4 |
| Cameroon                       | 1990        |                                      | 12.7                         |                                      | 4.1                          | 64.4                                   |      | 61.1 | 11.9            |      | 15.9 | 23.8              |      | 33.0 |
| Chile                          | 1991        | -3.3                                 | 21.6                         | -0.4                                 | 4.3                          | 57.4                                   | 61.7 | 64.2 | 8.4             | 5.9  | 7.1  | 34.2              | 32.4 | 28.7 |
| China                          | 1992        |                                      | 1.8                          |                                      |                              | 84.4                                   | 83.9 | 84.2 | 3.3             | 3.5  |      | 12.3              | 12.5 |      |
| Colombia                       | 1991        | 1.1                                  | 15.6                         | 1.5                                  | 2.3                          | 73.9                                   | 71.4 | 72.8 | 4.9             | 4.4  | 4.1  | 21.2              | 24.2 | 23.1 |
| Costa Rica                     | 1991        |                                      | 9.7                          |                                      | 4.1                          | 79.3                                   | 76.1 | 78.3 | 9.0             | 9.3  | 9.9  | 11.7              | 14.5 | 13.8 |
| Croatia                        | 1992        |                                      | 16.7                         |                                      | 2.5                          |  |      | 58.9 |                 |      | 6.0  |                   |      | 35.1 |
| Cuba                           | 1989        | -2.7                                 | 3.7                          |                                      | 2.8                          | 79.4                                   | 78.3 | 81.6 | 14.7            | 13.7 | 14.0 | 5.9               | 8.0  | 4.4  |
| Cyprus                         | 1992        | 1.1                                  | 20.9                         | 4.5                                  | 10.4                         | 73.1                                   | 74.3 | 68.9 | 10.4            | 11.1 | 15.5 | 16.5              | 14.7 | 15.6 |
| Ecuador                        | 1990        | 2.2                                  | 8.4                          | 1.4                                  | 3.5                          | 73.2                                   | 77.6 | 81.5 | 11.3            | 8.7  | 7.6  | 16.5              | 13.7 | 10.9 |
| Egypt                          | 1989        | 6.5                                  | 7.1                          |                                      | 2.8                          | 78.6                                   | 77.1 | 79.6 | 9.7             | 13.0 | 8.1  | 11.8              | 9.9  | 12.3 |
| El Salvador                    | 1991        |                                      |                              |                                      |                              | 70.7                                   | 65.1 | 60.5 | 10.7            | 7.9  | 6.2  | 18.5              | 27.0 | 33.3 |
| Ethiopia                       | 1990        |                                      | 8.8                          | -0.7                                 | .5                           | 56.3                                   | 56.5 | 57.7 | 6.5             | 8.5  | 7.4  | 37.2              | 35.0 | 34.9 |
| Fiji                           | 1990        | -1.6                                 | 9.3                          | -0.5                                 | 4.2                          | 77.8                                   | 81.5 | 81.9 | 8.0             | 13.0 | 8.2  | 14.2              | 5.5  | 9.9  |
| Hong Kong                      | 1991        |                                      | 21.0                         | 4.8                                  | 10.8                         | 71.1                                   | 74.4 | 65.8 | 12.4            | 13.2 | 17.5 | 16.5              | 12.4 | 16.5 |
| India                          | 1990        | 7.1                                  | 2.0                          | 7.5                                  | 0.8                          | 91.1                                   | 88.2 | 89.4 | 4.8             | 4.9  | 4.3  | 4.1               | 6.9  | 6.2  |
| Indonesia                      | 1989        | -5.8                                 | 3.1                          | 4.7                                  | 0.8                          | 76.7                                   | 74.3 | 78.5 | 7.0             | 7.2  | 6.3  | 16.2              | 18.5 | 17.2 |
| Iran (Islamic Republic of)     | 1990        |                                      |                              |                                      |                              | 63.6                                   | 65.2 | 69.8 | 20.6            | 19.6 | 10.1 | 15.8              | 15.3 | 20.1 |
| Jamaica                        | 1992        |                                      | 6.4                          |                                      | 3.0                          | 82.3                                   | 82.6 | 74.9 | 13.9            | 10.8 | 11.8 | 3.8               | 6.6  | 13.3 |
| Jordan                         | 1992        |                                      | 11.3                         |                                      | 2.4                          | 82.3                                   | 77.5 | 46.0 | 7.4             | 8.8  | 11.3 | 10.3              | 13.7 | 42.6 |
| Kenya                          | 1991        | -0.7                                 | 4.8                          |                                      | 1.5                          | 85.0                                   | 88.4 | 92.1 | 5.4             | 4.2  | 2.4  | 9.6               | 7.4  | 5.5  |
| Kuwait                         | 1989        |                                      | 19.3                         |                                      | 7.5                          | 59.1                                   | 62.0 | 53.3 | 16.2            | 19.7 | 18.3 | 24.7              | 18.4 | 28.5 |
| Macau                          | 1992        |                                      | 7.7                          |                                      | 4.8                          | 82.6                                   | 78.7 | 66.1 | 13.1            | 13.2 | 21.3 | 4.4               | 8.0  | 12.5 |
| Malaysia                       | 1991        |                                      | 11.6                         |                                      | 3.0                          |  | 85.4 | 85.9 |                 |      | 3.6  |                   | 11.1 | 10.5 |
| Malta                          | 1990        | 2.0                                  | 20.4                         | 1.0                                  | 7.2                          | 73.2                                   | 72.5 | 69.6 | 10.3            | 10.6 | 10.7 | 16.5              | 16.9 | 19.8 |
| Mauritius                      | 1991        | 0.9                                  | 7.1                          | 1.2                                  | 3.4                          | 87.9                                   | 86.0 | 84.3 | 8.5             | 5.6  | 7.5  | 3.7               | 8.5  | 8.2  |
| Mexico                         | 1991        |                                      | 25.1                         |                                      | 5.1                          | 69.8                                   | 70.8 | 70.8 | 8.3             | 5.2  | 5.9  | 21.9              | 24.0 | 23.2 |
| Morocco                        | 1992        | -4.1                                 | 10.3                         | -2.2                                 | 4.4                          | 86.3                                   | 84.8 | 83.1 | 8.9             | 7.1  | 7.2  | 4.8               | 8.1  | 9.8  |
| Nepal                          | 1991        |                                      | 2.5                          |                                      | 0.5                          |  |      | 73.4 |                 |      | 6.0  |                   |      | 21.5 |
| Panama                         | 1989        | -2.3                                 | 14.6                         | 3.0                                  | 5.2                          | 63.0                                   | 72.4 | 70.0 | 8.0             | 10.2 | 10.7 | 29.0              | 17.4 | 19.3 |
| Philippines                    | 1989        |                                      | 7.5                          | 5.4                                  | 1.9                          | 74.3                                   | 75.1 | 73.3 | 5.0             | 5.8  | 5.8  | 20.6              | 19.2 | 19.9 |
| Qatar                          | 1992        |                                      | 8.4                          |                                      | 5.3                          |  |      | 71.8 |                 |      | 18.0 |                   |      | 10.2 |
| Republic of Korea              | 1991        |                                      | 41.7                         | 6.4                                  | 9.0                          | 70.4                                   | 72.2 | 62.1 | 7.4             | 6.4  | 8.2  | 22.2              | 21.4 | 29.7 |
| Saudi Arabia                   | 1989        |                                      | 18.0                         |                                      | 7.5                          |  |      | 80.1 |                 |      | 8.3  |                   |      | 11.5 |
| Senegal                        | 1989        | 0.8                                  | 7.9                          | 0.3                                  | 3.6                          |  |      | 74.5 |                 |      | 11.8 |                   |      | 13.7 |
| Singapore                      | 1992        | -0.4                                 | 34.7                         | 5.6                                  | 13.5                         | 84.3                                   | 82.9 | 69.5 | 5.3             | 6.8  | 12.0 | 10.4              | 10.3 | 18.5 |
| Slovenia                       | 1992        |                                      | 19.8                         |                                      | 12.2                         |  |      | 69.0 |                 |      | 19.1 |                   |      | 11.9 |
| Sri Lanka                      | 1990        |                                      |                              |                                      |                              | 70.3                                   |      | 61.2 |                 |      | 7.6  | 4.0               | 5.5  | 33.1 |
| Suriname                       | 1992        |                                      |                              |                                      |                              |  |      |      | 22.1            | 17.6 | 18.4 |                   |      |      |
| Swaziland                      | 1990        |                                      | 7.7                          |                                      | 1.9                          | 78.1                                   | 75.1 | 70.7 | 8.5             | 10.3 | 7.4  | 13.4              | 14.5 | 21.9 |
| Taiwan Province                | 1992        | 2.7                                  | 30.5                         | 7.5                                  | 12.5                         | 84.8                                   | 82.1 | 77.2 | 3.9             | 5.6  | 9.4  | 11.3              | 12.3 | 13.4 |
| The f Yugosl Rep. of Macedonia | 1992        |                                      |                              |                                      |                              |  |      | 58.5 |                 |      | 9.6  |                   |      | 31.8 |
| Thailand                       | 1991        |                                      | 12.3                         |                                      | 2.0                          |  |      | 72.8 |                 |      | 4.5  |                   |      | 22.7 |
| Tonga                          | 1991        |                                      |                              | -1.2                                 | 2.1                          |  |      |      | 7.7             | 6.8  | 11.2 |                   |      |      |

a/ At current prices

TABLE 1.12  
(continued)

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Food products (311/2) |             |                                      |                              |                                      |                              |  |      |      |                 |      |      |                   |      |      |
|-----------------------|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|-----------------|------|------|-------------------|------|------|
| Country or area       | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Percentage in output <sup>a/</sup>     |      |      |                 |      |      |                   |      |      |
|                       |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) | Costs of input materials and utilities |      |      | Costs of labour |      |      | Operating surplus |      |      |
|                       |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY              | 1980 | 1985 | LY                | 1980 | 1985 |
| Turkey                | 1991        | 8.8                                  | 26.5                         | 4.7                                  | 7.4                          | 73.1                                   | 76.8 | 67.2 | 9.4             | 5.9  | 9.1  | 17.5              | 17.3 | 23.7 |
| Uruguay               | 1990        | -1.8                                 | 9.9                          | -1.9                                 | 2.8                          | 77.9                                   | 71.6 | 69.5 | 11.3            | 8.2  | 8.8  | 10.8              | 20.2 | 21.7 |
| Venezuela             | 1992        |                                      | 17.6                         |                                      | 4.2                          | 70.7                                   | 71.9 | 69.2 | 12.2            | 10.1 | 7.4  | 17.1              | 18.0 | 23.4 |
| Zambia                | 1989        |                                      | 6.1                          | 0.2                                  | 2.7                          | 72.7                                   | 78.7 | 76.4 | 10.9            | 9.5  | 10.3 | 16.4              | 13.7 | 13.3 |
| Zimbabwe              | 1991        | 2.0                                  | 11.1                         | 1.3                                  | 3.5                          | 75.4                                   | 80.2 | 66.1 | 11.0            | 12.9 | 11.1 | 13.6              | 6.9  | 23.8 |

<sup>a/</sup> At current prices

TABLE 1.12

## SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Textiles (321)   |             |                                      |                              |                                      |                              |  |      |      |                 |      |      |                   |      |      |
|--|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|-----------------|------|------|-------------------|------|------|
| Country or area  | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Percentage in output <sup>a/</sup>     |      |      |                 |      |      |                   |      |      |
|  |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) | Costs of input materials and utilities |      |      | Costs of labour |      |      | Operating surplus |      |      |
|  |             |                                      |                              |                                      |                              | 1980                                   | 1985 | LY   | 1980            | 1985 | LY   | 1980              | 1985 | LY   |
| (LY)   | 1980-LY     | LY                                   | 1980-LY                      | LY                                   | 1980                         | 1985                                   | LY   | 1980 | 1985            | LY   | 1980 | 1985              | LY   |      |
| <b>Industrialized countries b/</b>                     |             |                                      |                              |                                      |                              |  |      |      |                 |      |      |                   |      |      |
| Australia  | 1991        | 2.3                                  | 44.5                         | 0.8                                  | 20.5                         | 60.7                                   | 61.2 | 67.7 | 22.9            | 22.2 | 19.5 | 16.4              | 16.5 | 22.9 |
| Austria  | 1991        | 3.6                                  | 36.2                         | 2.5                                  | 21.6                         | 64.7                                   | 64.7 | 63.8 | 22.0            | 20.4 | 21.6 | 13.4              | 14.9 | 14.6 |
| Belgium  | 1992        | 1.7                                  | 41.5                         | 0.3                                  | 18.2                         | 68.4                                   | 73.1 | 71.2 | 17.0            | 13.0 | 12.6 | 14.6              | 13.8 | 16.2 |
| Canada   | 1992        | 3.5                                  | 45.6                         | 0.1                                  | 22.7                         | 58.6                                   | 58.2 | 56.5 | 21.7            | 21.6 | 21.6 | 19.7              | 20.2 | 21.9 |
| Denmark  | 1991        | -0.8                                 | 37.2                         | -0.9                                 | 23.2                         | 55.2                                   | 56.7 | 53.2 | 27.2            | 26.6 | 29.2 | 17.6              | 17.7 | 17.6 |
| Finland  | 1992        | 3.4                                  | 35.6                         | 1.3                                  | 20.1                         | 54.2                                   | 53.5 | 56.6 | 22.9            | 23.3 | 24.6 | 23.0              | 23.2 | 18.8 |
| France   | 1992        | 1.3                                  | 41.2                         | ...                                  | ...                          | 63.3                                   | 64.7 | 63.8 | 27.9            | 24.7 | ...  | 8.8               | 10.6 | ...  |
| Germany, western part                                  | 1992        | 2.3                                  | 59.0                         | 1.5                                  | 27.2                         | 63.6                                   | 58.0 | 55.3 | 23.3            | 20.0 | 20.6 | 13.2              | 21.9 | 24.1 |
| Greece   | 1992        | 2.1                                  | 26.2                         | 0.7                                  | 11.4                         | 62.5                                   | 63.1 | 61.1 | 15.2            | 15.7 | 16.9 | 22.3              | 21.2 | 22.0 |
| Iceland  | 1991        | ...                                  | 29.3                         | 0.8                                  | 23.3                         | 59.3                                   | 56.1 | 70.2 | 25.9            | 24.2 | 23.7 | 14.8              | 19.8 | 6.1  |
| Ireland  | 1990        | 5.0                                  | 29.4                         | 0.5                                  | 16.5                         | 65.5                                   | 64.9 | 61.6 | 20.7            | 19.3 | 21.6 | 13.8              | 15.9 | 15.8 |
| Israel   | 1991        | 4.0                                  | 30.6                         | ...                                  | 16.8                         | 58.5                                   | 70.3 | 67.0 | 20.5            | 19.2 | 17.1 | 21.0              | 10.6 | 15.9 |
| Italy  | 1991        | 3.0                                  | 45.1                         | ...                                  | ...                          | 57.3                                   | 67.2 | 67.0 | 16.9            | 13.2 | 21.2 | 25.8              | 19.6 | 11.6 |
| Japan  | 1992        | 0.6                                  | 52.4                         | 1.4                                  | 23.2                         | 61.1                                   | 60.6 | 56.5 | 16.2            | 17.2 | 19.3 | 22.7              | 22.2 | 24.2 |
| Netherlands  | 1990        | 4.0                                  | 47.5                         | 3.5                                  | 31.0                         | 71.9                                   | 69.2 | 64.9 | 20.0            | 22.0 | 22.9 | 8.1               | 8.8  | 12.2 |
| New Zealand  | 1990        | ...                                  | 24.1                         | -0.8                                 | 14.9                         | 66.9                                   | 72.5 | 68.3 | 21.4            | 17.5 | 19.6 | 11.8              | 10.0 | 12.1 |
| Norway   | 1992        | 2.4                                  | 41.8                         | 2.8                                  | 30.1                         | 64.6                                   | 63.8 | 60.3 | 24.1            | 25.1 | 28.6 | 11.2              | 11.1 | 11.1 |
| South Africa   | 1992        | -0.4                                 | 10.3                         | 1.0                                  | 6.2                          | 65.7                                   | 71.4 | 63.5 | 16.9            | 18.9 | 22.1 | 17.4              | 9.8  | 14.6 |
| Spain  | 1991        | 4.7                                  | 31.2                         | 0.6                                  | 15.3                         | 58.4                                   | 61.4 | 62.1 | 18.2            | 16.9 | 18.5 | 23.4              | 21.7 | 19.4 |
| Sweden   | 1992        | 4.8                                  | 48.2                         | 0.8                                  | 25.2                         | 61.1                                   | 63.0 | 63.1 | 24.7            | 20.1 | 19.3 | 24.2              | 26.8 | 17.6 |
| Switzerland  | 1992        | ...                                  | 41.0                         | ...                                  | ...                          | ...                                    | ...  | 59.5 | ...             | ...  | ...  | ...               | ...  | ...  |
| United Kingdom   | 1992        | 3.6                                  | 36.1                         | 2.3                                  | 18.7                         | 59.8                                   | 59.6 | 53.3 | 23.4            | 20.6 | 24.2 | 16.8              | 19.8 | 22.5 |
| United States of America                               | 1991        | 3.1                                  | 44.7                         | 0.1                                  | 18.9                         | 59.5                                   | 60.0 | 67.9 | 19.6            | 19.0 | 17.8 | 21.0              | 21.0 | 24.3 |
| <b>Countries of eastern Europe and the former USSR</b> |             |                                      |                              |                                      |                              |  |      |      |                 |      |      |                   |      |      |
| Armenia  | 1991        | ...                                  | 2.3                          | ...                                  | 1.6                          | ...                                    | ...  | 81.7 | ...             | ...  | 12.6 | ...               | ...  | 5.7  |
| Bulgaria   | 1992        | ...                                  | ...                          | ...                                  | 0.9                          | ...                                    | ...  | ...  | 12.3            | 11.6 | 14.8 | ...               | ...  | ...  |
| Czech Republic   | 1992        | ...                                  | ...                          | ...                                  | 1.5                          | ...                                    | ...  | ...  | ...             | ...  | 22.8 | ...               | ...  | ...  |
| Hungary  | 1992        | 0.4                                  | ...                          | -0.1                                 | 2.6                          | 73.1                                   | 70.4 | ...  | 12.2            | 12.0 | 20.5 | 14.7              | 17.6 | ...  |
| Kyrgyzstan   | 1992        | ...                                  | ...                          | ...                                  | 1.7                          | ...                                    | ...  | ...  | ...             | ...  | 6.8  | ...               | ...  | ...  |
| Latvia   | 1992        | ...                                  | ...                          | ...                                  | 1.6                          | ...                                    | ...  | ...  | ...             | ...  | 11.1 | ...               | ...  | ...  |
| Poland   | 1990        | -0.6                                 | 4.3                          | ...                                  | 1.1                          | ...                                    | ...  | 43.9 | ...             | ...  | 14.5 | ...               | ...  | 41.6 |
| Republic of Moldova                                    | 1991        | ...                                  | ...                          | ...                                  | 2.3                          | ...                                    | ...  | ...  | ...             | ...  | 7.8  | ...               | ...  | ...  |
| Romania  | 1991        | ...                                  | 2.1                          | ...                                  | 1.0                          | ...                                    | ...  | 70.9 | ...             | ...  | 13.6 | ...               | ...  | 15.5 |
| Ukraine  | 1992        | ...                                  | ...                          | ...                                  | 2.5                          | ...                                    | ...  | ...  | ...             | ...  | 8.7  | ...               | ...  | ...  |
| <b>Developing countries</b>                            |             |                                      |                              |                                      |                              |  |      |      |                 |      |      |                   |      |      |
| Argentina  | 1990        | 2.7                                  | 30.4                         | ...                                  | 5.8                          | 54.5                                   | 40.6 | 63.9 | 9.0             | 11.6 | 6.9  | 36.5              | 47.8 | 29.1 |
| Bahamas  | 1991        | ...                                  | 20.7                         | ...                                  | 7.0                          | ...                                    | ...  | 44.0 | ...             | ...  | 18.9 | ...               | ...  | 37.1 |
| Bangladesh   | 1990        | -8.2                                 | 0.9                          | -0.5                                 | 0.7                          | 51.8                                   | 68.7 | 64.0 | 24.3            | 20.2 | 30.8 | 24.0              | 11.1 | 5.3  |
| Barbados   | 1992        | ...                                  | 10.9                         | 4.0                                  | 9.1                          | 61.1                                   | ...  | 65.4 | 27.0            | ...  | 28.9 | 12.0              | ...  | 5.8  |
| Bolivia  | 1991        | ...                                  | 5.4                          | ...                                  | 1.2                          | 50.1                                   | 46.8 | 68.3 | 22.3            | 10.0 | 6.9  | 27.6              | 43.2 | 24.8 |

a/ At current prices

b/ Excluding countries of eastern Europe and the former USSR



TABLE 1.12  
(continued)

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Textiles (321)                |             |                                      |                              |                                      |                              |  |      |         |                 |      |      |                   |      |      |
|-------------------------------|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|---------|-----------------|------|------|-------------------|------|------|
| Country or area               | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Percentage in output a/                |      |         |                 |      |      |                   |      |      |
|                               |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) | Costs of input materials and utilities |      |         | Costs of labour |      |      | Operating surplus |      |      |
|                               |             |                                      |                              |                                      |                              | 1980-LY                                | LY   | 1980-LY | LY              | 1980 | 1985 | LY                | 1980 | 1985 |
| Brazil                        | 1990        | 0.5                                  | 21.8                         | ...                                  | 4.0                          | 59.4                                   | 54.1 | 55.1    | 9.3             | 7.3  | 8.2  | 31.3              | 38.7 | 35.7 |
| Burundi                       | 1991        | ...                                  | 4.3                          | ...                                  | 2.3                          | 44.9                                   | ...  | 49.9    | 20.4            | ...  | 28.4 | 34.7              | ...  | 23.7 |
| Chile                         | 1991        | 1.1                                  | 14.0                         | 1.1                                  | 4.0                          | 46.6                                   | 49.5 | 54.6    | 18.7            | 12.1 | 13.1 | 36.8              | 38.4 | 32.3 |
| China                         | 1992        | ...                                  | 2.1                          | ...                                  | ...                          | 59.3                                   | 75.3 | 79.5    | 5.1             | 4.2  | ...  | 36.6              | 20.6 | ...  |
| Colombia                      | 1991        | 3.9                                  | 12.9                         | 0.4                                  | 2.2                          | 52.1                                   | 52.8 | 57.4    | 10.9            | 9.4  | 7.2  | 37.0              | 37.6 | 35.4 |
| Costa Rica                    | 1991        | ...                                  | 2.8                          | ...                                  | 0.9                          | 59.7                                   | 54.8 | 65.4    | 23.9            | 15.8 | 11.2 | 16.4              | 19.7 | 23.4 |
| Croatia                       | 1992        | ...                                  | 8.3                          | ...                                  | 1.8                          | ...                                    | ...  | 48.8    | ...             | ...  | 11.3 | ...               | ...  | 39.9 |
| Cyprus                        | 1992        | 1.3                                  | 15.1                         | 5.1                                  | 8.8                          | 59.1                                   | 57.4 | 58.3    | 17.6            | 22.9 | 22.8 | 23.4              | 19.8 | 18.9 |
| Ecuador                       | 1990        | 0.6                                  | 6.5                          | -1.7                                 | 2.4                          | 55.2                                   | 57.9 | 62.1    | 19.7            | 17.4 | 13.7 | 25.1              | 24.7 | 24.2 |
| Egypt                         | 1989        | 2.9                                  | 8.0                          | ...                                  | 2.7                          | 63.5                                   | 67.5 | 60.8    | 22.3            | 24.5 | 13.1 | 14.1              | 8.0  | 26.1 |
| El Salvador                   | 1991        | ...                                  | ...                          | ...                                  | ...                          | 48.7                                   | 46.8 | 60.7    | 19.9            | 17.5 | 14.1 | 31.4              | 35.7 | 25.2 |
| Ethiopia                      | 1990        | ...                                  | 2.3                          | 0.1                                  | 1.4                          | 77.0                                   | 61.7 | 60.3    | 13.5            | 19.0 | 24.9 | 39.5              | 19.4 | 14.8 |
| Hong Kong                     | 1991        | 7.7                                  | 18.2                         | 4.4                                  | 10.6                         | 70.9                                   | 74.1 | 73.9    | 15.0            | 15.8 | 15.2 | 14.0              | 10.2 | 10.9 |
| India                         | 1990        | 4.0                                  | 2.3                          | 1.9                                  | 1.2                          | 75.9                                   | 81.1 | 79.7    | 14.6            | 13.0 | 10.4 | 9.5               | 5.9  | 9.2  |
| Indonesia                     | 1989        | 0.7                                  | 3.0                          | 4.5                                  | 0.6                          | 68.7                                   | 68.0 | 70.4    | 9.2             | 8.7  | 5.8  | 22.1              | 23.3 | 23.8 |
| Iran (Islamic Republic of)    | 1990        | ...                                  | ...                          | ...                                  | ...                          | 48.8                                   | 48.1 | 45.6    | 35.8            | 33.6 | 19.3 | 15.4              | 18.3 | 35.1 |
| Iraq                          | 1992        | ...                                  | ...                          | ...                                  | ...                          | ...                                    | ...  | 72.7    | ...             | ...  | 25.5 | ...               | ...  | 1.8  |
| Jamaica                       | 1992        | ...                                  | 5.4                          | ...                                  | 3.0                          | 61.9                                   | 60.8 | 62.3    | 23.3            | 25.3 | 20.8 | 14.8              | 13.9 | 16.8 |
| Jordan                        | 1992        | ...                                  | 13.8                         | ...                                  | 2.8                          | 57.6                                   | 62.2 | 34.9    | 15.7            | 10.5 | 13.1 | 26.7              | 27.3 | 52.0 |
| Kenya                         | 1991        | 1.2                                  | 2.1                          | ...                                  | 1.1                          | 70.0                                   | 77.4 | 56.6    | 14.4            | 12.5 | 22.3 | 15.6              | 10.1 | 21.0 |
| Kuwait                        | 1989        | ...                                  | 18.0                         | ...                                  | 7.0                          | 54.5                                   | 60.3 | 31.1    | 15.8            | 17.5 | 19.1 | 29.7              | 22.2 | 29.8 |
| Macau                         | 1992        | ...                                  | 11.2                         | ...                                  | 4.8                          | 79.0                                   | 74.2 | 70.9    | 10.6            | 12.5 | 12.5 | 10.4              | 13.3 | 15.5 |
| Malaysia                      | 1991        | ...                                  | 8.7                          | ...                                  | 2.8                          | ...                                    | 71.9 | 69.1    | ...             | 13.7 | 9.7  | ...               | 14.3 | 21.2 |
| Malta                         | 1990        | ...                                  | 17.5                         | 1.4                                  | 7.8                          | 47.2                                   | 43.3 | 54.1    | 34.5            | 30.6 | 20.3 | 18.4              | 26.2 | 25.6 |
| Mauritius                     | 1991        | ...                                  | 5.4                          | 2.3                                  | 1.9                          | 72.3                                   | 75.4 | 62.4    | 8.8             | 7.8  | 13.4 | 18.8              | 16.8 | 24.2 |
| Mexico                        | 1991        | ...                                  | 18.4                         | ...                                  | 4.7                          | 54.5                                   | 55.0 | 55.3    | 15.3            | 11.5 | 11.4 | 30.2              | 33.5 | 33.6 |
| Morocco                       | 1992        | -0.4                                 | 5.4                          | -0.3                                 | 2.8                          | 74.1                                   | 74.1 | 70.0    | 14.8            | 14.8 | 15.5 | 11.1              | 11.1 | 14.5 |
| Nepal                         | 1991        | ...                                  | 1.4                          | ...                                  | 0.5                          | ...                                    | ...  | 57.1    | ...             | ...  | 15.1 | ...               | ...  | 27.8 |
| Panama                        | 1989        | -0.5                                 | 11.5                         | 1.4                                  | 4.3                          | 48.0                                   | 67.4 | 60.1    | 15.6            | 22.1 | 14.8 | 35.4              | 10.5 | 25.1 |
| Philippines                   | 1989        | ...                                  | 3.3                          | 4.7                                  | 1.5                          | 68.7                                   | 80.3 | 70.1    | 9.0             | 10.6 | 13.4 | 22.3              | 9.1  | 16.5 |
| Republic of Korea             | 1991        | 5.9                                  | 25.6                         | 7.7                                  | 9.0                          | 64.7                                   | 62.2 | 56.8    | 12.5            | 12.1 | 15.2 | 22.8              | 25.6 | 28.1 |
| Saudi Arabia                  | 1989        | ...                                  | 13.1                         | ...                                  | 4.5                          | ...                                    | ...  | 83.9    | ...             | ...  | 5.5  | ...               | ...  | 10.6 |
| Senegal                       | 1989        | -1.0                                 | 7.9                          | ...                                  | 3.4                          | ...                                    | ...  | 64.3    | ...             | ...  | 15.4 | ...               | ...  | 20.4 |
| Singapore                     | 1992        | -0.6                                 | 22.6                         | 5.6                                  | 11.5                         | 67.5                                   | 67.9 | 68.8    | 14.4            | 17.9 | 15.9 | 18.1              | 14.2 | 15.3 |
| Slovenia                      | 1992        | ...                                  | 9.8                          | ...                                  | 8.3                          | ...                                    | ...  | 49.1    | ...             | ...  | 42.8 | ...               | ...  | 8.0  |
| Sri Lanka                     | 1990        | ...                                  | ...                          | ...                                  | ...                          | 53.0                                   | ...  | 56.1    | 22.7            | 14.1 | 11.1 | 24.4              | ...  | 32.8 |
| Taiwan Province               | 1992        | 5.0                                  | 24.4                         | 7.6                                  | 11.8                         | 73.3                                   | 68.4 | 60.5    | 11.3            | 15.1 | 19.0 | 15.4              | 15.5 | 20.5 |
| The f Yugosl Rep of Macedonia | 1992        | ...                                  | ...                          | ...                                  | ...                          | ...                                    | ...  | 39.8    | ...             | ...  | 15.4 | ...               | ...  | 44.8 |
| Thailand                      | 1991        | ...                                  | 7.3                          | ...                                  | 1.9                          | ...                                    | ...  | 61.9    | ...             | ...  | 9.9  | ...               | ...  | 28.2 |
| Tonga                         | 1992        | ...                                  | ...                          | ...                                  | 1.1                          | ...                                    | ...  | ...     | 42.7            | ...  | 35.6 | ...               | ...  | ...  |
| Turkey                        | 1991        | 6.6                                  | 19.7                         | 4.8                                  | 6.8                          | 55.2                                   | 64.2 | 56.9    | 15.2            | 10.3 | 14.9 | 29.6              | 25.6 | 28.2 |
| Uruguay                       | 1990        | -0.5                                 | 11.8                         | -0.2                                 | 3.4                          | 57.8                                   | 54.4 | 58.9    | 17.1            | 12.5 | 12.0 | 25.2              | 33.1 | 29.2 |
| Venezuela                     | 1992        | ...                                  | 11.9                         | ...                                  | 4.3                          | 48.8                                   | 55.2 | 59.6    | 28.2            | 17.8 | 14.5 | 23.0              | 27.0 | 25.9 |
| Zambia                        | 1989        | ...                                  | 12.6                         | ...                                  | 5.4                          | 54.3                                   | 55.4 | 66.7    | 11.3            | 13.4 | 14.5 | 34.4              | 20.3 | 19.3 |
| Zimbabwe                      | 1991        | 4.1                                  | 8.7                          | 0.7                                  | 2.7                          | 62.9                                   | 55.8 | 57.1    | 12.8            | 14.0 | 13.2 | 24.3              | 19.2 | 29.7 |

a/ At current prices

TABLE 1.12

## SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| wearing apparel (322)                           |             |                                      |                              |                                      |                              |  |      |      |                 |      |      |                   |      |      |
|---|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|-----------------|------|------|-------------------|------|------|
| Country or area                                 | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Percentage in output <sup>a/</sup>     |      |      |                 |      |      |                   |      |      |
|   |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) | Costs of input materials and utilities |      |      | Costs of labour |      |      | Operating surplus |      |      |
|   |             |                                      |                              |                                      |                              | 1980                                   | 1985 | LY   | 1980            | 1985 | LY   | 1980              | 1985 | LY   |
| (LY)  | 1980-LY     | LY                                   | 1980-LY                      | LY                                   | 1980                         | 1985                                   | LY   | 1980 | 1985            | LY   | 1980 | 1985              | LY   |      |
| Industrialized countries b/                     |             |                                      |                              |                                      |                              |  |      |      |                 |      |      |                   |      |      |
| Australia                                       | 1991        | -0.8                                 | 32.1                         | 0.8                                  | 16.4                         | 53.8                                   | 53.1 | 54.4 | 29.2            | 28.8 | 23.3 | 17.0              | 18.0 | 22.3 |
| Austria   | 1991        | 2.6                                  | 23.6                         | 1.6                                  | 15.1                         | 58.2                                   | 60.1 | 60.5 | 25.8            | 25.3 | 25.2 | 16.0              | 14.6 | 14.3 |
| Belgium   | 1992        | 5.3                                  | 32.8                         | 1.0                                  | 14.0                         | 61.7                                   | 63.2 | 66.1 | 23.5            | 21.9 | 14.5 | 14.7              | 14.8 | 19.4 |
| Canada  | 1992        | 0.7                                  | 31.2                         | -0.8                                 | 17.0                         | 51.7                                   | 51.4 | 53.0 | 28.1            | 27.3 | 25.5 | 20.2              | 21.3 | 21.4 |
| Denmark   | 1991        | -1.2                                 | 25.1                         | -1.3                                 | 18.8                         | 49.1                                   | 51.4 | 60.0 | 37.6            | 34.3 | 37.4 | 13.3              | 14.3 | 12.6 |
| Finland   | 1992        | 3.3                                  | 28.0                         | 1.9                                  | 17.7                         | 49.6                                   | 46.9 | 48.7 | 27.8            | 30.0 | 32.4 | 22.6              | 23.1 | 18.9 |
| France  | 1992        | 1.0                                  | 47.5                         |                                      |                              | 53.1                                   | 57.7 | 55.5 | 34.9            | 31.9 |      | 11.9              | 10.4 |      |
| Germany, western part                           | 1992        | 0.7                                  | 48.6                         | 1.7                                  | 21.9                         | 51.3                                   | 57.9 | 59.3 | 24.8            | 21.6 | 18.3 | 24.0              | 20.5 | 22.4 |
| Greece  | 1992        | -2.8                                 | 15.8                         | 1.2                                  | 7.9                          | 55.7                                   | 53.6 | 54.8 | 21.2            | 24.9 | 22.7 | 23.1              | 21.5 | 22.5 |
| Iceland   | 1991        |                                      | 26.8                         | 4.7                                  | 22.6                         | 56.0                                   | 60.5 | 57.6 | 25.1            | 24.7 | 35.8 | 18.9              | 14.7 | 6.6  |
| Ireland   | 1990        | 1.4                                  | 19.0                         | 0.2                                  | 11.7                         | 51.8                                   | 51.2 | 53.9 | 31.7            | 29.6 | 28.4 | 16.6              | 19.2 | 17.7 |
| Israel  | 1991        |                                      | 14.6                         |                                      | 9.2                          | 50.9                                   | 62.7 | 58.0 | 22.9            | 25.4 | 26.5 | 26.2              | 11.9 | 15.5 |
| Italy   | 1991        | 0.1                                  | 36.3                         |                                      |                              | 55.8                                   | 65.9 | 68.1 | 18.8            | 16.4 | 21.1 | 25.4              | 17.7 | 10.8 |
| Japan   | 1992        | -1.9                                 | 30.0                         | 1.2                                  | 16.3                         | 50.7                                   | 49.2 | 46.1 | 24.9            | 27.1 | 28.6 | 24.4              | 23.8 | 25.3 |
| Luxembourg                                      | 1990        |                                      | 15.0                         | -0.8                                 | 11.7                         | 43.4                                   | 28.0 | 27.3 | 41.6            | 51.9 | 56.6 | 15.0              | 20.1 | 16.0 |
| New Zealand                                     | 1990        |                                      | 16.0                         | -1.5                                 | 10.9                         | 56.1                                   | 59.0 | 62.2 | 33.8            | 29.7 | 25.7 | 10.2              | 11.2 | 12.1 |
| Norway  | 1992        | 3.5                                  | 32.8                         | 2.0                                  | 25.1                         | 58.7                                   | 61.8 | 60.9 | 30.9            | 27.2 | 30.0 | 10.4              | 11.1 | 9.1  |
| South Africa                                    | 1992        | 0.7                                  | 6.8                          | 1.4                                  | 4.9                          | 61.8                                   | 60.0 | 55.0 | 27.0            | 30.9 | 32.1 | 11.2              | 9.1  | 12.9 |
| Spain   | 1991        |                                      | 27.8                         | 0.5                                  | 12.8                         | 54.4                                   | 57.8 | 59.3 | 21.6            | 20.2 | 18.7 | 24.1              | 22.0 | 21.9 |
| Sweden  | 1992        | 2.2                                  | 34.2                         | -0.0                                 | 20.7                         | 47.0                                   | 46.2 | 65.3 | 33.4            | 30.8 | 21.0 | 19.5              | 23.0 | 13.7 |
| United Kingdom                                  | 1992        | 4.1                                  | 27.1                         | 1.9                                  | 14.1                         | 51.7                                   | 51.6 | 48.5 | 27.7            | 25.7 | 26.8 | 20.6              | 22.7 | 24.8 |
| United States of America                        | 1991        | 3.5                                  | 33.3                         | 0.1                                  | 13.9                         | 47.5                                   | 49.3 | 46.8 | 25.5            | 22.6 | 22.2 | 26.9              | 28.1 | 31.0 |
| Countries of eastern Europe and the former USSR |             |                                      |                              |                                      |                              |  |      |      |                 |      |      |                   |      |      |
| Armenia   | 1991        |                                      | 3.5                          |                                      | 1.7                          |  |      | 79.1 |                 |      | 9.9  |                   |      | 11.0 |
| Bulgaria  | 1992        |                                      |                              |                                      | 0.8                          |  |      |      | 10.8            | 10.6 | 20.3 |                   |      |      |
| Czech Republic                                  | 1992        |                                      |                              |                                      | 1.5                          |  |      |      |                 |      | 36.7 |                   |      |      |
| Hungary   | 1992        | -1.1                                 |                              | -0.4                                 | 2.2                          | 65.5                                   | 64.8 |      | 16.8            | 16.5 | 34.4 | 17.7              | 18.7 |      |
| Kyrgyzstan                                      | 1992        |                                      |                              |                                      | 1.3                          |  |      |      |                 |      | 22.5 |                   |      |      |
| Latvia  | 1992        |                                      |                              |                                      | 1.6                          |  |      |      |                 |      | 19.6 |                   |      |      |
| Poland  | 1990        | 1.3                                  | 2.7                          |                                      | 1.0                          |  |      | 57.7 |                 |      | 15.5 |                   |      | 26.9 |
| Republic of Moldova                             | 1991        |                                      |                              |                                      | 1.7                          |  |      |      |                 |      | 12.0 |                   |      |      |
| Romania   | 1991        |                                      | 1.3                          |                                      | 0.9                          |  |      | 65.1 |                 |      | 22.3 |                   |      | 12.6 |
| Ukraine   | 1992        |                                      |                              |                                      | 1.7                          |  |      |      |                 |      | 16.3 |                   |      |      |
| Developing countries                            |             |                                      |                              |                                      |                              |  |      |      |                 |      |      |                   |      |      |
| Argentina                                       | 1990        |                                      | 15.1                         |                                      | 4.2                          | 59.6                                   | 45.4 | 65.4 | 6.5             | 12.9 | 9.7  | 33.9              | 41.8 | 25.0 |
| Bahamas   | 1991        |                                      | 13.0                         |                                      | 6.2                          |  |      | 50.3 |                 |      | 23.6 |                   |      | 26.1 |
| Bangladesh                                      | 1990        |                                      | 1.0                          | -0.4                                 | 0.4                          | 75.0                                   | 69.1 | 72.0 | 8.0             | 13.4 | 10.2 | 17.0              | 17.5 | 17.8 |
| Barbados  | 1992        | 1.3                                  | 6.0                          | -1.3                                 | 5.5                          | 69.6                                   | 63.2 | 48.9 | 25.8            | 35.0 | 45.9 | 4.7               | 0.8  | 4.2  |
| Bolivia   | 1991        | 3.0                                  | 3.5                          |                                      | 1.0                          | 58.5                                   | 55.4 | 61.9 | 19.1            | 11.1 | 10.7 | 22.4              | 33.5 | 27.4 |
| Brazil  | 1990        |                                      | 11.1                         |                                      | 2.6                          | 49.4                                   | 49.1 | 56.8 | 11.4            | 10.1 | 10.0 | 39.2              | 40.8 | 33.1 |

<sup>a/</sup> At current prices<sup>b/</sup> Excluding countries of eastern Europe and the former USSR

TABLE 1.12  
(continued)

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Country or area                | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Percentage in output <sup>a/</sup>     |      |      |                 |      |      |                   |      |      |
|--------------------------------|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|-----------------|------|------|-------------------|------|------|
|                                |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) | Costs of input materials and utilities |      |      | Costs of labour |      |      | Operating surplus |      |      |
|                                |             |                                      |                              |                                      |                              | 1980                                   | 1985 | LY   | 1980            | 1985 | LY   | 1980              | 1985 | LY   |
|                                |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      |  |      |      |                 |      |      |                   |      |      |
| Burundi                        | 1991        |                                      | 2.6                          |                                      | 1.8                          | 62.4                                   |      | 75.6 | 14.2            |      | 17.2 | 23.6              |      | 7.2  |
| Chile                          | 1991        | -2.7                                 | 10.9                         | 0.8                                  | 3.6                          | 53.3                                   | 46.8 | 56.0 | 14.5            | 11.5 | 14.4 | 32.3              | 41.7 | 29.6 |
| Colombia                       | 1991        | 2.0                                  | 5.0                          | 0.4                                  | 1.4                          | 55.3                                   | 55.4 | 58.5 | 14.7            | 15.3 | 11.6 | 30.0              | 29.3 | 29.9 |
| Costa Rica                     | 1991        |                                      | 1.2                          |                                      | 0.8                          | 65.7                                   | 60.7 | 60.7 | 25.3            | 21.8 | 27.6 | 9.0               | 17.6 | 11.6 |
| Croatia                        | 1992        |                                      | 7.6                          |                                      | 2.2                          |  |      | 37.6 |                 |      | 18.3 |                   |      | 44.1 |
| Cuba                           | 1989        |                                      | 2.7                          |                                      | 2.1                          | 50.9                                   | 63.4 | 65.1 | 17.0            | 22.6 | 28.0 | 32.2              | 14.1 | 6.8  |
| Cyprus                         | 1992        | -2.6                                 | 11.7                         | 4.9                                  | 7.4                          | 58.8                                   | 61.5 | 63.2 | 17.9            | 20.7 | 23.3 | 23.3              | 17.8 | 13.6 |
| Ecuador                        | 1990        |                                      | 2.7                          |                                      | 1.3                          | 59.0                                   | 62.5 | 69.0 | 19.0            | 21.4 | 14.8 | 22.1              | 16.2 | 16.2 |
| Egypt                          | 1989        |                                      | 2.3                          |                                      | 1.7                          | 81.5                                   | 75.3 | 82.4 | 10.3            | 12.0 | 13.3 | 8.2               | 12.7 | 4.3  |
| Ethiopia                       | 1990        |                                      | 3.7                          | 1.9                                  | 1.4                          | 74.3                                   | 57.8 | 68.9 | 12.2            | 11.4 | 11.7 | 13.6              | 30.8 | 19.3 |
| Fiji                           | 1990        |                                      | 2.2                          | 0.6                                  | 1.7                          | 63.8                                   | 73.9 | 74.1 | 17.3            | 15.8 | 19.6 | 19.0              | 10.4 | 6.3  |
| Hong Kong                      | 1991        | 6.5                                  | 12.6                         | 2.6                                  | 8.7                          | 64.5                                   | 67.4 | 71.0 | 21.6            | 25.1 | 19.9 | 13.9              | 7.4  | 9.1  |
| India                          | 1990        |                                      | 2.8                          | 0.7                                  | 0.7                          | 65.9                                   | 85.4 | 77.7 | 7.6             | 6.7  | 5.8  | 6.5               | 7.5  | 16.5 |
| Indonesia                      | 1989        |                                      | 1.9                          | 5.4                                  | 0.6                          | 68.3                                   | 66.3 | 66.1 | 17.0            | 14.7 | 11.0 | 14.7              | 19.0 | 22.9 |
| Iran (Islamic Republic of)     | 1990        |                                      |                              |                                      |                              | 34.8                                   | 51.4 | 66.6 | 26.4            | 35.8 | 10.6 | 38.8              | 12.8 | 22.9 |
| Iraq                           | 1992        |                                      |                              |                                      |                              |  |      | 77.2 |                 |      | 19.3 |                   |      | 3.5  |
| Jamaica                        | 1992        |                                      | 1.9                          |                                      | 1.1                          | 71.2                                   | 70.4 | 71.5 | 18.6            | 20.1 | 16.6 | 10.3              | 9.6  | 11.9 |
| Jordan                         | 1992        |                                      | 2.7                          |                                      | 1.8                          | 44.9                                   | 65.3 | 42.5 | 20.8            | 19.4 | 37.9 | 34.3              | 15.4 | 19.0 |
| Kenya                          | 1991        | -0.9                                 | 2.2                          | 1.0                                  | 1.0                          | 77.0                                   | 77.6 | 93.3 | 12.2            | 11.2 | 3.0  | 10.8              | 11.2 | 3.7  |
| Kuwait                         | 1989        |                                      | 12.3                         | 6.1                                  | 6.1                          | 21.5                                   | 27.1 | 20.9 | 33.9            | 34.6 | 39.2 | 44.6              | 38.3 | 39.9 |
| Macau                          | 1992        |                                      | 8.7                          | 4.7                                  | 4.7                          | 77.4                                   | 72.2 | 70.4 | 14.7            | 16.2 | 16.1 | 7.9               | 11.6 | 13.6 |
| Malaysia                       | 1991        |                                      | 4.4                          | 2.3                                  | 2.3                          |  | 66.5 | 69.5 |                 | 19.4 | 15.9 |                   | 14.1 | 14.6 |
| Malta                          | 1990        | -0.4                                 | 13.3                         | 2.1                                  | 8.4                          | 55.9                                   | 54.8 | 57.2 | 22.7            | 26.0 | 27.1 | 21.4              | 19.2 | 15.7 |
| Mauritius                      | 1991        |                                      | 2.8                          | 3.9                                  | 1.6                          | 68.4                                   | 66.1 | 68.1 | 16.6            | 18.5 | 18.4 | 15.2              | 15.4 | 13.5 |
| Mexico                         | 1991        |                                      | 25.8                         | 3.9                                  | 3.9                          | 54.4                                   | 54.3 | 54.2 | 12.9            | 6.5  | 7.0  | 32.7              | 39.2 | 38.8 |
| Morocco                        | 1992        |                                      | 3.2                          | 4.1                                  | 2.1                          | 71.0                                   | 72.6 | 63.8 | 20.4            | 16.6 | 23.7 | 8.6               | 10.8 | 12.6 |
| Nepal                          | 1991        |                                      | 1.8                          |                                      | 0.6                          |  |      | 55.1 |                 |      | 16.2 |                   |      | 28.7 |
| Panama                         | 1989        | 0.2                                  | 3.8                          | -2.1                                 | 2.8                          | 50.0                                   | 57.9 | 57.6 | 20.5            | 24.8 | 23.6 | 29.6              | 17.3 | 8.9  |
| Philippines                    | 1989        |                                      | 3.0                          | 5.4                                  | 1.5                          | 55.9                                   | 59.6 | 50.6 | 19.8            | 34.4 | 24.7 | 24.3              | 6.0  | 24.6 |
| Republic of Korea              | 1991        | 4.9                                  | 18.9                         | 8.1                                  | 7.5                          | 62.3                                   | 58.8 | 52.1 | 16.1            | 19.2 | 19.2 | 22.7              | 22.0 | 28.7 |
| Saudi Arabia                   | 1989        |                                      | 7.1                          |                                      | 5.4                          |  |      | 70.7 |                 |      | 22.4 |                   |      | 6.9  |
| Senegal                        | 1989        |                                      | 6.2                          |                                      | 2.6                          |  |      | 64.6 |                 |      | 14.9 |                   |      | 20.5 |
| Singapore                      | 1992        | 3.5                                  | 12.9                         | 5.1                                  | 8.2                          | 68.7                                   | 66.5 | 69.7 | 17.9            | 22.0 | 19.3 | 13.4              | 11.6 | 11.0 |
| Sri Lanka                      | 1990        |                                      |                              |                                      |                              | 68.6                                   |      | 52.3 | 14.3            | 11.9 | 11.8 | 17.1              |      | 35.9 |
| Suriname                       | 1992        |                                      |                              |                                      |                              |  |      |      | 33.3            | 26.7 | 24.2 |                   |      |      |
| Taiwan Province                | 1992        | 2.1                                  | 25.9                         | 6.3                                  | 8.3                          | 69.6                                   | 81.9 | 67.5 | 12.2            | 8.6  | 10.4 | 18.3              | 9.6  | 22.1 |
| The Yugoslav Rep. of Macedonia | 1992        |                                      |                              |                                      |                              |  |      | 45.1 |                 |      | 19.7 |                   |      | 36.2 |
| Thailand                       | 1991        |                                      | 14.5                         |                                      | 3.0                          |  |      | 49.0 |                 |      | 10.6 |                   |      | 40.4 |
| Tonga                          | 1992        |                                      |                              | 1.4                                  | 1.6                          |  |      |      | 29.5            | 18.9 | 11.8 |                   |      |      |
| Turkey                         | 1991        |                                      | 15.0                         | 3.0                                  | 3.6                          | 69.5                                   | 72.3 | 67.4 | 10.7            | 7.0  | 7.9  | 19.8              | 20.7 | 24.8 |
| Uruguay                        | 1990        |                                      | 6.9                          | -1.5                                 | 2.4                          | 61.8                                   | 62.9 | 64.3 | 16.3            | 14.6 | 12.4 | 21.9              | 22.5 | 23.3 |
| Venezuela                      | 1992        |                                      | 8.1                          |                                      | 3.0                          | 62.8                                   | 59.6 | 56.3 | 21.5            | 19.9 | 16.2 | 15.7              | 20.5 | 27.5 |
| Zambia                         | 1989        |                                      | 6.1                          | 5.3                                  | 4.3                          | 62.4                                   | 78.0 | 78.0 | 14.9            | 16.2 | 15.6 | 22.7              | 8.8  | 6.4  |
| Zimbabwe                       | 1991        |                                      | 4.8                          | -0.4                                 | 2.0                          | 55.2                                   | 54.1 | 56.0 | 23.1            | 25.4 | 18.5 | 21.8              | 19.4 | 25.6 |

a. At current prices

TABLE 1 12

## SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Leather and fur products (323)                         |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |
|--|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|-------------------------|------|------|-------------------|------|------|
| Country or area  | latest year | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output a/ |      |      | Operating surplus |      |      |
|  |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) | 1980                                   | 1985 | LY   | 1980                    | 1985 | LY   | 1980              | 1985 | LY   |
|  |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      |  |      |      |                         |      |      |                   |      |      |
| <b>Industrialized countries b/</b>                     |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |
| Australia  | 1991        |                                      | 31.6                         | 0.8                                  | 17.5                         | 66.7                                   | 73.0 | 73.9 | 18.7                    | 14.2 | 14.6 | 14.6              | 12.7 | 11.6 |
| Austria  | 1991        | -0.0                                 | 27.9                         | 0.5                                  | 15.4                         | 68.9                                   | 74.9 | 70.2 | 20.3                    | 15.8 | 16.4 | 10.8              | 9.2  | 13.4 |
| Belgium  | 1992        |                                      |                              | 0.4                                  | 16.7                         |  |      |      |                         |      |      |                   |      |      |
| Canada   | 1992        | 0.0                                  | 29.0                         | -1.5                                 | 16.5                         | 58.1                                   | 58.0 | 60.0 | 23.5                    | 21.8 | 22.9 | 18.4              | 20.2 | 17.1 |
| Denmark  | 1991        | -5.1                                 | 18.5                         | -3.2                                 | 16.6                         | 51.6                                   | 57.8 | 54.5 | 35.2                    | 27.6 | 40.7 | 13.2              | 14.7 | 4.7  |
| Finland  | 1992        | 5.3                                  | 34.6                         | 1.8                                  | 18.3                         | 59.2                                   | 66.7 | 59.2 | 21.8                    | 19.9 | 21.6 | 19.0              | 13.5 | 19.2 |
| France   | 1992        | 0.2                                  | 64.7                         |                                      |                              | 58.4                                   | 60.3 | 51.3 | 30.1                    | 28.4 |      | 11.5              | 11.3 |      |
| Germany, western pr.                                   | 1992        | 0.8                                  | 48.4                         | 1.3                                  | 23.3                         | 56.4                                   | 62.3 | 58.3 | 21.3                    | 18.0 | 20.1 | 22.3              | 19.8 | 21.7 |
| Greece   | 1992        | -1.3                                 | 24.2                         | -0.8                                 | 7.6                          | 67.5                                   | 68.5 | 64.6 | 16.0                    | 14.8 | 11.1 | 16.5              | 16.7 | 24.2 |
| Iceland  | 1991        |                                      | 31.0                         | 0.9                                  | 25.4                         | 59.2                                   | 53.8 | 50.9 | 14.1                    | 20.3 | 39.1 | 26.7              | 25.9 | 10.1 |
| Ireland  | 1990        | 3.5                                  | 37.5                         | -0.1                                 | 15.8                         | 66.3                                   | 80.0 | 78.7 | 19.0                    | 11.5 | 9.0  | 14.6              | 8.5  | 12.3 |
| Israel   | 1991        | 3.6                                  | 19.5                         |                                      |                              | 57.8                                   | 63.4 | 62.6 | 18.3                    | 19.5 | 22.1 | 23.9              | 17.1 | 15.3 |
| Italy  | 1991        | 0.0                                  | 49.1                         |                                      |                              | 65.3                                   | 77.3 | 74.3 | 12.0                    | 8.9  | 15.4 | 22.8              | 13.8 | 10.3 |
| Japan  | 1992        | -1.3                                 | 52.0                         | 0.8                                  | 22.8                         | 65.0                                   | 62.4 | 60.1 | 15.0                    | 15.7 | 17.5 | 20.0              | 21.8 | 22.4 |
| New Zealand  | 1990        |                                      | 22.3                         | -1.8                                 | 12.1                         | 70.2                                   | 74.5 | 76.5 | 19.5                    | 14.4 | 12.7 | 10.4              | 11.2 | 10.8 |
| Norway   | 1992        | 8.1                                  | 37.0                         | 2.5                                  | 28.2                         | 65.4                                   | 69.3 | 71.8 | 25.0                    | 25.1 | 21.5 | 9.6               | 4.7  | 6.6  |
| South Africa   | 1992        | 0.7                                  | 9.1                          | -0.2                                 | 4.9                          | 83.9                                   | 76.5 | 68.4 | 14.6                    | 11.7 | 17.1 | 1.6               | 1.7  | 14.4 |
| Spain  | 1991        | 5.5                                  | 36.2                         | 0.9                                  | 16.6                         | 71.1                                   | 71.8 | 66.2 | 14.9                    | 11.4 | 15.5 | 14.0              | 16.8 | 18.3 |
| Sweden   | 1992        | 0.2                                  | 42.4                         | -0.2                                 | 21.6                         | 56.6                                   | 62.6 | 63.8 | 21.9                    | 14.8 | 18.4 | 21.6              | 22.5 | 17.8 |
| United Kingdom   | 1992        | 3.6                                  | 38.9                         | 2.6                                  | 19.8                         | 63.6                                   | 66.7 | 58.7 | 19.2                    | 16.0 | 21.0 | 17.1              | 17.4 | 20.2 |
| United States of America                               | 1991        | 2.4                                  | 45.9                         | 0.7                                  | 18.9                         | 54.9                                   | 56.1 | 56.4 | 21.0                    | 21.1 | 18.0 | 24.1              | 22.8 | 25.6 |
| <b>Countries of eastern Europe and the former USSR</b> |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |
| Armenia  | 1991        |                                      |                              |                                      | 2.0                          |  |      |      |                         |      | 9.0  |                   |      |      |
| Bulgaria   | 1992        |                                      |                              |                                      | 0.9                          |  |      |      | 10.3                    | 8.7  | 10.5 |                   |      |      |
| Czech Republic   | 1992        |                                      |                              |                                      | 1.6                          |  |      |      |                         |      | 22.9 |                   |      |      |
| Hungary  | 1992        | -5.3                                 |                              | -0.9                                 | 2.3                          | 79.4                                   | 76.5 |      | 7.7                     | 9.5  |      | 13.0              | 14.1 |      |
| Kyrgyzstan   | 1992        |                                      |                              |                                      | 2.5                          |  |      |      |                         |      | 25.6 |                   |      |      |
| Latvia   | 1992        |                                      |                              |                                      | 1.9                          |  |      |      |                         |      | 12.2 |                   |      |      |
| Poland   | 1990        | 1.4                                  | 4.4                          |                                      | 1.1                          |  |      | 66.0 |                         |      | 8.2  |                   |      | 25.9 |
| Republic of Moldova                                    | 1991        |                                      |                              |                                      | 2.2                          |  |      |      |                         |      | 8.1  |                   |      |      |
| Romania  | 1989        |                                      | 1.5                          |                                      |                              |  |      | 67.7 |                         |      |      |                   |      |      |
| Ukraine  | 1991        |                                      |                              |                                      | 2.9                          |  |      |      |                         |      | 15.3 |                   |      |      |
| <b>Developing countries</b>                            |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |
| Argentina  | 1990        | 0.7                                  | 22.4                         |                                      | 5.3                          | 63.4                                   | 52.5 | 68.2 | 7.9                     | 10.0 | 7.4  | 28.7              | 37.6 | 24.3 |
| Bolivia  | 1991        |                                      | 7.3                          |                                      | 1.7                          | 61.6                                   |      | 75.8 | 12.1                    |      | 5.6  | 26.3              |      | 18.6 |
| Brazil   | 1990        |                                      | 14.4                         |                                      | 3.3                          | 59.2                                   | 56.3 | 56.2 | 12.2                    | 8.6  | 10.2 | 28.6              | 35.1 | 33.7 |
| Burundi  | 1991        |                                      | 4.7                          |                                      | 1.8                          | 57.3                                   |      | 42.9 | 16.0                    |      | 22.4 | 26.7              |      | 34.8 |
| Chile  | 1991        | -3.8                                 | 15.3                         | 1.3                                  | 4.6                          | 61.4                                   | 62.8 | 67.2 | 10.2                    | 7.8  | 9.9  | 28.4              | 29.4 | 22.9 |
| Colombia   | 1991        | 3.4                                  | 8.2                          | 0.7                                  | 1.8                          | 62.1                                   | 68.4 | 72.5 | 10.7                    | 9.0  | 6.1  | 27.3              | 22.6 | 21.4 |
| Costa Rica   | 1991        |                                      | 3.0                          |                                      | 0.9                          | 63.3                                   | 61.4 | 61.2 | 15.0                    | 11.9 | 12.1 | 21.7              | 26.7 | 26.7 |

a/ At current prices

b/ Excluding countries of eastern Europe and the former USSR

TABLE 1.12  
continued

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Country or area                  | Latest year | Leather and fur products (323)       |                              |     |                                      |                              |      |  |      |      |                                    |      |      |                   |      |    |
|----------------------------------|-------------|--------------------------------------|------------------------------|-----|--------------------------------------|------------------------------|------|--|------|------|------------------------------------|------|------|-------------------|------|----|
|                                  |             | Value added per employee             |                              |     | Wages per employee                   |                              |      | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |    |
|                                  |             | Real annual growth rate (percentage) | Value (current 1000 dollars) |     | Real annual growth rate (percentage) | Value (current 1000 dollars) |      | 1980                                   | 1985 | LY   | 1980                               | 1985 | LY   | 1980              | 1985 | LY |
|                                  |             | (LY)                                 | 1980-LY                      | LY  | 1980-LY                              | LY                           |      |  |      |      |                                    |      |      |                   |      |    |
| Croatia                          | 1992        |                                      |                              | 7.8 |                                      | 1.7                          |      |  | 55.8 |      |                                    | 9.8  |      |                   | 34.4 |    |
| Cuba                             | 1989        |                                      |                              | 3.3 |                                      | 2.3                          |      |  |      |      |                                    |      |      |                   |      |    |
| Cyprus                           | 1992        | 5.4                                  | 12.4                         |     | 4.6                                  | 7.8                          | 65.9 | 65.7                                   | 57.7 | 16.7 | 19.9                               | 26.6 | 17.6 | 14.4              | 16.8 |    |
| Ecuador                          | 1990        | 1.0                                  | 3.6                          |     |                                      | 1.3                          | 63.8 | 71.7                                   | 71.3 | 16.3 | 13.8                               | 10.4 | 19.9 | 14.6              | 18.3 |    |
| Egypt                            | 1989        |                                      | 5.6                          |     |                                      |                              |      | 75.6                                   | 75.7 |      | 19.9                               | 14.0 |      | 4.4               | 10.2 |    |
| El Salvador                      | 1991        |                                      |                              |     |                                      |                              | 50.0 | 48.6                                   | 54.5 | 19.5 | 15.5                               | 12.1 | 30.5 | 35.9              | 33.3 |    |
| Ethiopia                         | 1990        |                                      |                              | 7.3 | 0.4                                  | 1.5                          | 65.4 | 69.1                                   | 65.2 | 4.5  | 7.8                                | 7.2  | 7.2  | 23.1              | 27.6 |    |
| Hong Kong                        | 1991        |                                      | 15.4                         |     | 4.0                                  | 8.4                          | 71.1 | 79.6                                   | 77.0 | 16.7 | 16.1                               | 12.6 | 12.2 | 4.3               | 10.5 |    |
| India                            | 1990        | -0.5                                 | 2.6                          |     | 0.8                                  | 0.9                          | 90.4 | 90.4                                   | 86.5 | 5.0  | 6.2                                | 4.5  | 4.6  | 4.4               | 9.1  |    |
| Indonesia                        | 1989        |                                      | 1.9                          |     | 3.2                                  | 0.6                          | 82.1 | 68.1                                   | 82.4 | 6.2  | 7.2                                | 6.3  | 11.8 | 24.7              | 12.2 |    |
| Iran (Islamic Republic of)       | 1990        |                                      |                              |     |                                      |                              | 73.3 | 76.4                                   | 66.2 | 17.8 | 14.5                               | 7.7  | 9.0  | 9.2               | 26.1 |    |
| Iraq                             | 1992        |                                      |                              |     |                                      |                              |      |  | 66.0 |      |                                    | 6.6  |      |                   | 28.4 |    |
| Jamaica                          | 1992        |                                      | 9.5                          |     |                                      | 6.0                          | 71.5 | 56.3                                   | 61.6 | 20.7 | 23.7                               | 24.4 | 7.8  | 20.0              | 13.9 |    |
| Jordan                           | 1992        |                                      | 7.3                          |     |                                      | 5.1                          | 64.0 | 48.6                                   | 83.3 | 14.3 | 20.2                               | 11.7 | 21.7 | 31.2              | 5.0  |    |
| Kenya                            | 1991        |                                      | 3.0                          |     | 1.5                                  |                              | 66.1 | 85.6                                   | 87.5 | 19.3 | 8.4                                | 6.1  | 14.6 | 6.0               | 6.4  |    |
| Macao                            | 1992        |                                      | 8.2                          |     | 5.1                                  |                              | 69.6 | 71.4                                   | 71.7 | 20.2 | 21.5                               | 17.8 | 10.2 | 7.1               | 10.5 |    |
| Malaysia                         | 1991        |                                      | 3.3                          |     | 1.5                                  |                              |      | 70.5                                   | 72.0 |      | 14.3                               | 13.1 |      | 15.2              | 15.0 |    |
| Malta                            | 1990        | 2.4                                  | 16.0                         |     | 0.5                                  | 7.7                          | 55.3 | 37.6                                   | 52.4 | 18.1 | 32.7                               | 23.0 | 26.6 | 29.7              | 24.6 |    |
| Mauritius                        | 1991        |                                      | 4.6                          |     | 2.4                                  | 2.1                          | 57.9 | 66.5                                   | 62.0 | 16.0 | 16.3                               | 17.4 | 26.1 | 18.2              | 20.6 |    |
| Mexico                           | 1991        |                                      | 12.1                         |     | 4.9                                  | 0.5                          | 60.9 | 55.3                                   | 55.2 | 21.8 | 14.4                               | 18.1 | 17.4 | 30.3              | 26.7 |    |
| Nepal                            | 1991        |                                      | 4.9                          |     |                                      |                              |      |  | 71.0 |      |                                    | 2.9  |      |                   | 26.0 |    |
| Panama                           | 1989        | 8.3                                  | 7.9                          |     | 2.5                                  | 5.8                          | 52.0 |  | 78.6 | 13.8 |                                    | 15.7 | 34.2 |                   | 5.8  |    |
| Philippines                      | 1989        |                                      | 2.2                          |     | 4.2                                  | 1.3                          | 70.2 | 70.7                                   | 51.1 | 12.6 | 16.6                               | 28.9 | 17.3 | 12.7              | 19.9 |    |
| Qatar                            | 1991        |                                      | 10.8                         |     |                                      | 5.5                          |      |  | 75.0 |      |                                    | 12.9 |      |                   | 12.1 |    |
| Republic of Korea                | 1991        |                                      | 31.8                         |     | 9.2                                  | 10.0                         | 72.2 | 74.9                                   | 69.3 | 9.4  | 8.7                                | 9.7  | 18.4 | 16.5              | 21.1 |    |
| Saudi Arabia                     | 1989        |                                      | 9.8                          |     |                                      | 6.2                          |      |  | 80.5 |      |                                    | 12.2 |      |                   | 7.3  |    |
| Senegal                          | 1989        |                                      | 7.4                          |     | 2.9                                  | 5.7                          |      |  | 39.0 |      |                                    | 46.9 |      |                   | 14.0 |    |
| Singapore                        | 1992        | -3.6                                 | 19.7                         |     | 7.4                                  | 11.3                         | 71.4 | 69.4                                   | 64.5 | 15.5 | 19.2                               | 20.3 | 13.1 | 11.4              | 15.3 |    |
| Slovenia                         | 1992        |                                      | 12.3                         |     |                                      | 10.0                         |      |  | 65.0 |      |                                    | 28.3 |      |                   | 6.7  |    |
| Sri Lanka                        | 1990        |                                      |                              |     |                                      |                              | 64.0 |  | 79.5 | 10.0 | 20.8                               | 8.6  | 26.0 |                   | 11.9 |    |
| Taiwan Province                  | 1992        |                                      | 14.2                         |     | 8.0                                  | 10.8                         | 73.9 | 61.9                                   | 63.5 | 12.6 | 13.6                               | 27.8 | 13.6 | 24.6              | 8.6  |    |
| The f. Yugosl. Rep. of Macedonia | 1992        |                                      |                              |     |                                      |                              |      |  | 46.9 |      |                                    | 13.9 |      |                   | 39.2 |    |
| Tonga                            | 1991        |                                      |                              |     |                                      | 2.0                          |      |  |      | 54.5 | 34.9                               | 31.6 |      |                   |      |    |
| Turkey                           | 1991        | 1.7                                  | 13.3                         |     | -1.2                                 | 3.2                          | 74.0 | 71.1                                   | 68.8 | 11.6 | 5.6                                | 7.5  | 14.4 | 23.2              | 23.7 |    |
| Uruguay                          | 1990        | 1.6                                  | 10.2                         |     | 0.8                                  | 3.3                          | 68.9 | 52.6                                   | 68.8 | 18.0 | 8.2                                | 10.2 | 13.1 | 39.2              | 21.1 |    |
| Venezuela                        | 1992        |                                      | 8.6                          |     |                                      | 2.9                          | 60.6 | 68.4                                   | 70.3 | 17.2 | 11.2                               | 10.0 | 22.2 | 20.5              | 19.7 |    |
| Zambia                           | 1989        |                                      | 20.2                         |     | 3.4                                  | 5.9                          | 41.9 | 58.9                                   | 57.8 | 14.7 | 11.0                               | 12.2 | 43.4 | 30.1              | 30.0 |    |
| Zimbabwe                         | 1991        |                                      | 5.9                          |     |                                      | 1.6                          | 52.1 | 73.1                                   | 64.4 | 21.8 | 13.7                               | 9.8  | 26.1 | 13.2              | 25.8 |    |

a. At current prices

TABLE 1.12

## SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Footwear (324)                                  |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
|---|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|------------------------------------|------|------|-------------------|------|------|
| Country or area                                 | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |
|   |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) | 1980                                   | 1985 | LY   | 1980                               | 1985 | LY   | 1980              | 1985 | LY   |
|   |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      |  |      |      |                                    |      |      |                   |      |      |
| Industrialized countries <sup>b/</sup>          |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Australia                                       | 1991        | -2.0                                 | 32.1                         | 0.6                                  | 17.6                         | 51.0                                   | 50.8 | 51.4 | 30.5                               | 29.6 | 26.6 | 18.5              | 19.6 | 22.0 |
| Austria   | 1991        | 4.8                                  | 30.2                         | 2.7                                  | 18.2                         | 66.4                                   | 68.7 | 67.9 | 19.7                               | 20.6 | 19.4 | 13.9              | 10.7 | 12.8 |
| Belgium   | 1992        | 0.5                                  | 38.8                         | 0.3                                  | 15.5                         | 59.5                                   | 63.3 | 62.9 | 17.5                               | 16.8 | 14.8 | 23.1              | 19.9 | 22.3 |
| Canada  | 1992        | 1.5                                  | 31.3                         | -0.2                                 | 17.9                         | 55.7                                   | 53.0 | 52.1 | 25.2                               | 27.9 | 27.5 | 19.1              | 19.1 | 20.4 |
| Denmark   | 1991        | 5.0                                  | 56.2                         | 0.4                                  | 24.8                         | 53.0                                   | 60.8 | 55.2 | 31.5                               | 24.5 | 19.8 | 15.5              | 14.7 | 25.1 |
| Finland   | 1992        | 4.5                                  | 30.1                         | 1.3                                  | 17.3                         | 55.0                                   | 57.1 | 52.7 | 22.4                               | 25.4 | 27.3 | 22.6              | 17.5 | 20.1 |
| France  | 1992        | 1.5                                  | 33.5                         |                                      |                              | 45.2                                   | 48.1 | 47.0 | 42.1                               | 37.9 |      | 12.7              | 14.0 |      |
| Germany, western part                           | 1992        | 0.0                                  | 49.1                         | 1.9                                  | 25.9                         | 60.9                                   | 66.1 | 64.6 | 22.7                               | 20.5 | 18.8 | 16.4              | 13.4 | 16.8 |
| Greece  | 1992        | -3.1                                 | 17.4                         | -0.9                                 | 8.1                          | 60.4                                   | 60.5 | 61.7 | 21.9                               | 23.3 | 17.8 | 17.7              | 16.2 | 20.4 |
| Ireland   | 1990        |                                      | 25.2                         | 0.3                                  | 14.2                         | 50.7                                   | 47.9 | 51.4 | 32.0                               | 29.7 | 27.3 | 17.3              | 22.3 | 21.2 |
| Israel  | 1991        |                                      | 21.5                         |                                      | 12.7                         | 45.6                                   | 56.3 | 57.5 | 30.0                               | 25.9 | 25.2 | 24.4              | 17.9 | 17.4 |
| Italy   | 1991        |                                      | 31.8                         |                                      |                              | 57.6                                   | 68.2 | 71.4 | 17.9                               | 15.0 | 20.5 | 24.4              | 16.8 | 8.2  |
| Japan   | 1992        |                                      | 49.9                         | 0.9                                  | 23.9                         | 62.2                                   | 61.7 | 60.3 | 16.7                               | 18.5 | 19.0 | 21.1              | 19.8 | 20.7 |
| Netherlands                                     | 1990        | 0.0                                  | 28.4                         | 2.2                                  | 22.9                         | 55.0                                   | 59.7 | 57.3 | 30.4                               | 35.0 | 34.4 | 14.6              | 4.3  | 8.3  |
| New Zealand                                     | 1990        |                                      | 19.7                         | 0.3                                  | 14.5                         | 59.0                                   | 52.6 | 67.1 | 30.7                               | 29.7 | 24.2 | 10.3              | 17.7 | 8.6  |
| Norway  | 1992        | 0.2                                  | 32.5                         | 2.7                                  | 26.8                         | 55.6                                   | 60.0 | 55.6 | 28.5                               | 28.8 | 35.6 | 15.9              | 11.2 | 7.8  |
| South Africa                                    | 1992        | 0.6                                  | 9.0                          | -0.3                                 | 5.4                          | 68.7                                   | 68.0 | 60.5 | 22.3                               | 21.6 | 23.7 | 9.0               | 10.4 | 15.9 |
| Spain   | 1991        |                                      | 27.5                         | -0.9                                 | 11.9                         | 57.3                                   | 63.1 | 67.5 | 23.2                               | 15.8 | 14.0 | 19.6              | 21.1 | 18.5 |
| Sweden  | 1992        | 2.9                                  | 38.3                         | -0.1                                 | 21.5                         | 52.7                                   | 52.3 | 61.6 | 28.5                               | 24.3 | 21.5 | 18.7              | 23.4 | 16.9 |
| United Kingdom                                  | 1992        | 1.2                                  | 31.2                         | 0.9                                  | 16.2                         | 48.4                                   | 45.3 | 49.7 | 28.8                               | 29.4 | 26.1 | 22.9              | 25.3 | 24.7 |
| United States of America                        | 1991        | 0.4                                  | 36.5                         | -0.1                                 | 14.7                         | 47.3                                   | 47.4 | 49.0 | 23.2                               | 22.8 | 20.4 | 29.5              | 29.8 | 30.5 |
| Countries of eastern Europe and the former USSR |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Armenia   | 1991        |                                      |                              |                                      | 1.8                          |  |      |      |                                    |      | 15.4 |                   |      |      |
| Bulgaria  | 1992        |                                      |                              |                                      | 1.0                          |  |      |      | 15.9                               | 12.9 | 15.4 |                   |      |      |
| Czech Republic                                  | 1992        |                                      |                              |                                      | 1.7                          |  |      |      |                                    |      | 30.7 |                   |      |      |
| Hungary   | 1992        | -1.1                                 |                              | -0.9                                 | 2.1                          | 77.7                                   | 75.4 |      | 12.8                               | 12.6 | 31.3 | 9.5               | 12.0 |      |
| Kyrgyzstan                                      | 1992        |                                      |                              |                                      | 1.1                          |  |      |      |                                    |      | 21.5 |                   |      |      |
| Latvia  | 1992        |                                      |                              |                                      | 1.9                          |  |      |      |                                    |      | 14.2 |                   |      |      |
| Poland  | 1990        | 0.2                                  | 3.1                          |                                      | 1.0                          |  |      | 52.4 |                                    |      | 15.2 |                   |      | 32.4 |
| Republic of Moldova                             | 1991        |                                      |                              |                                      | 2.0                          |  |      |      |                                    |      | 13.5 |                   |      |      |
| Romania   | 1989        |                                      | 12.6                         |                                      |                              |  |      | 53.8 |                                    |      |      |                   |      |      |
| Ukraine   | 1992        |                                      |                              |                                      | 2.3                          |  |      |      |                                    |      | 15.5 |                   |      |      |
| Developing countries                            |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Argentina                                       | 1990        | -1.7                                 | 10.0                         |                                      | 4.5                          | 60.0                                   | 46.0 | 63.1 | 13.2                               | 14.8 | 16.7 | 26.8              | 39.3 | 20.2 |
| Bangladesh                                      | 1990        |                                      | 5.7                          | 4.2                                  | 1.5                          | 59.4                                   | 48.6 | 52.2 | 9.0                                | 6.9  | 13.0 | 31.5              | 44.5 | 34.8 |
| Bolivia   | 1991        |                                      | 4.9                          |                                      | 1.6                          | 32.2                                   | 43.9 | 58.3 | 17.0                               | 13.9 | 13.9 | 50.8              | 42.3 | 27.8 |
| Brazil  | 1990        |                                      | 8.8                          |                                      | 2.8                          | 45.0                                   | 45.3 | 53.5 | 15.9                               | 15.0 | 14.9 | 39.0              | 39.7 | 31.5 |
| Burundi   | 1991        |                                      | 3.5                          |                                      | 1.8                          | 57.3                                   |      | 46.2 | 16.0                               |      | 28.0 | 26.7              |      | 25.8 |
| Chile   | 1991        | -4.1                                 | 11.7                         | 1.5                                  | 3.5                          | 40.8                                   | 51.6 | 68.0 | 11.9                               | 14.7 | 12.5 | 47.3              | 33.8 | 29.5 |
| Colombia  | 1991        | -3.7                                 | 6.9                          | 1.0                                  | 1.5                          | 56.7                                   | 55.7 | 62.2 | 15.4                               | 14.1 | 9.0  | 27.9              | 30.1 | 28.8 |

<sup>a/</sup> At current prices<sup>b/</sup> Excluding countries of eastern Europe and the former USSR

TABLE 1.12  
(continued)

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

|                             |             | Footwear (324)                       |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |  |  |
|-----------------------------|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|------------------------------------|------|------|-------------------|------|------|--|--|
| Country or area             | Latest year | value added per employee             |                              | wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |  |  |
|                             |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) |  |      |      | Costs of labour                    |      |      | Operating surplus |      |      |  |  |
|                             |             | 1980-LY                              | LY                           | 1980-LY                              | LY                           | 1980                                   | 1985 | LY   | 1980                               | 1985 | LY   | 1980              | 1985 | LY   |  |  |
| Costa Rica                  | 1991        |                                      | 2.4                          |                                      | 0.8                          | 62.3                                   | 59.9 | 60.0 | 22.3                               | 17.8 | 13.3 | 15.4              | 22.3 | 26.7 |  |  |
| Croatia                     | 1992        |                                      | 6.8                          |                                      | 2.4                          |  |      | 47.7 |                                    |      | 18.1 |                   |      | 34.1 |  |  |
| Cuba                        | 1989        |                                      | 3.3                          |                                      | 2.3                          |  |      |      |                                    |      |      |                   |      |      |  |  |
| Cyprus                      | 1992        | 2.4                                  | 14.7                         | 3.6                                  | 9.1                          | 59.2                                   | 60.9 | 59.0 | 22.8                               | 24.2 | 26.6 | 18.0              | 14.9 | 16.5 |  |  |
| Ecuador                     | 1990        | -4.2                                 | 3.3                          | -3.6                                 | 1.6                          | 52.4                                   | 64.9 | 68.0 | 27.9                               | 19.6 | 15.8 | 19.7              | 16.5 | 16.2 |  |  |
| Egypt                       | 1989        |                                      | 4.3                          |                                      | 1.0                          | 44.6                                   |      | 56.2 | 16.7                               |      | 9.8  | 38.7              |      | 34.1 |  |  |
| El Salvador                 | 1991        |                                      |                              |                                      |                              | 56.6                                   | 42.9 | 61.6 | 23.0                               | 13.7 | 22.6 | 20.4              | 42.4 | 26.8 |  |  |
| Ethiopia                    | 1990        |                                      | 4.9                          | 2.8                                  | 1.8                          | 56.3                                   | 60.3 | 64.7 | 9.4                                | 13.0 | 12.9 | 34.3              | 26.6 | 22.4 |  |  |
| Fiji                        | 1990        |                                      | 2.5                          | -0.2                                 | 2.0                          | 48.6                                   | 63.7 | 74.2 | 19.4                               | 18.6 | 20.1 | 32.0              | 17.8 | 6.8  |  |  |
| Hong Kong                   | 1991        |                                      | 10.9                         | 0.6                                  | 7.8                          | 55.4                                   | 64.1 | 73.3 | 27.5                               | 29.3 | 19.0 | 17.1              | 6.6  | 7.6  |  |  |
| India                       | 1990        |                                      | 2.1                          | -1.4                                 | 1.0                          | 75.7                                   | 78.8 | 82.9 | 17.4                               | 13.6 | 8.0  | 6.9               | 7.6  | 9.0  |  |  |
| Indonesia                   | 1989        | -4.7                                 | 3.2                          | 5.0                                  | 0.8                          | 47.6                                   | 54.1 | 62.5 | 10.5                               | 13.5 | 11.9 | 41.9              | 32.4 | 36.6 |  |  |
| Iran (Islamic Republic of)  | 1990        |                                      |                              |                                      |                              | 60.4                                   | 49.3 | 57.4 | 29.3                               | 31.9 | 20.2 | 20.4              | 18.7 | 22.4 |  |  |
| Iran                        | 1992        |                                      |                              |                                      |                              |  | 39.9 | 43.8 |                                    |      | 17.2 |                   | 42.9 | 44.6 |  |  |
| Jamaica                     | 1992        |                                      | 12.3                         |                                      | 6.0                          | 63.3                                   | 68.4 | 70.8 | 22.9                               | 14.3 | 14.3 | 13.8              | 17.3 | 14.9 |  |  |
| Jordan                      | 1992        |                                      | 2.8                          |                                      | 2.1                          | 44.4                                   | 46.7 | 58.5 | 12.0                               | 18.3 | 30.4 | 43.6              | 36.0 | 11.1 |  |  |
| Kenya                       | 1991        |                                      | 3.5                          | 1.6                                  | 66.0                         | 80.0                                   | 80.4 | 15.9 | 10.0                               | 9.2  | 18.1 | 10.0              | 10.6 |      |  |  |
| Macau                       | 1992        |                                      | 7.1                          | 4.5                                  | 50.0                         | 46.8                                   | 72.6 |      | 25.1                               | 29.9 | 17.5 | 24.9              | 23.5 | 9.9  |  |  |
| Malaysia                    | 1991        |                                      | 4.9                          | 2.3                                  |                              | 58.8                                   | 81.2 |      |                                    | 17.2 | 18.4 | 24.1              | 20.4 |      |  |  |
| Malta                       | 1990        | 2.7                                  | 12.2                         | 3.0                                  | 8.2                          | 62.0                                   | 56.8 | 63.9 | 21.9                               | 29.6 | 24.3 | 16.1              | 13.6 | 11.7 |  |  |
| Mauritius                   | 1991        |                                      | 4.1                          | -1.0                                 | 1.9                          | 43.8                                   | 51.8 | 64.6 | 20.5                               | 18.1 | 21.3 | 36.7              | 30.0 | 24.2 |  |  |
| Mexico                      | 1991        |                                      | 8.4                          |                                      | 5.0                          | 50.4                                   | 50.4 |      | 27.8                               | 23.9 | 29.9 | 21.9              | 26.7 | 19.7 |  |  |
| Nepal                       | 1991        |                                      | 2.3                          |                                      | 0.7                          |  |      | 58.4 |                                    |      | 12.4 |                   |      | 29.2 |  |  |
| Panama                      | 1989        | 1.4                                  | 5.9                          |                                      | 3.2                          | 62.0                                   | 59.5 | 63.9 | 18.3                               | 20.2 | 19.3 | 19.7              | 20.3 | 16.8 |  |  |
| Philippines                 | 1989        |                                      | 1.6                          | 0.0                                  | 0.8                          | 64.8                                   | 68.6 | 67.0 | 14.6                               | 23.6 | 21.0 | 20.6              | 7.9  | 22.0 |  |  |
| Republic of Korea           | 1991        |                                      | 17.7                         | 7.6                                  | 8.4                          | 62.2                                   | 60.3 | 56.3 | 17.1                               | 15.2 | 21.2 | 20.6              | 24.6 | 23.6 |  |  |
| Saudi Arabia                | 1989        |                                      | 11.2                         |                                      | 6.7                          |  |      | 44.4 |                                    |      | 33.3 |                   |      | 22.2 |  |  |
| Senegal                     | 1989        |                                      | 7.1                          | 2.6                                  | 5.5                          |  |      | 54.8 |                                    |      | 36.2 |                   |      | 10.0 |  |  |
| Singapore                   | 1992        | 7.1                                  | 17.1                         | 5.7                                  | 10.1                         | 64.8                                   | 64.7 | 68.8 | 18.0                               | 20.6 | 18.6 | 17.2              | 14.7 | 12.7 |  |  |
| Slovenia                    | 1992        |                                      | 10.5                         |                                      | 8.0                          |  |      | 48.2 |                                    |      | 39.4 |                   |      | 12.4 |  |  |
| Sri Lanka                   | 1990        |                                      |                              |                                      |                              | 41.2                                   |      | 45.1 | 26.5                               | 14.5 | 11.9 | 32.4              |      | 43.0 |  |  |
| Suriname                    | 1992        |                                      |                              |                                      |                              |  |      |      | 18.3                               | 22.2 | 10.0 |                   |      |      |  |  |
| Taiwan Province             | 1992        |                                      | 21.8                         | 5.6                                  | 8.2                          | 68.5                                   | 75.3 | 67.8 | 12.2                               | 11.5 | 12.2 | 28.6              | 13.2 | 20.1 |  |  |
| The Yugosl Rep of Macedonia | 1992        |                                      |                              |                                      |                              |  |      | 44.6 |                                    |      | 12.9 |                   |      | 42.6 |  |  |
| Thailand                    | 1991        |                                      | 4.5                          |                                      | 1.7                          |  |      | 54.2 |                                    |      | 17.6 |                   |      | 28.2 |  |  |
| Tonga                       | 1991        |                                      |                              |                                      | 0.6                          |  |      |      | 15.0                               | 9.1  | 7.9  |                   |      |      |  |  |
| Turkey                      | 1991        | 2.3                                  | 15.8                         | 4.0                                  | 6.6                          | 65.3                                   | 68.5 | 60.8 | 16.2                               | 16.7 | 16.2 | 18.5              | 14.7 | 23.0 |  |  |
| Uruguay                     | 1990        |                                      | 4.8                          | -4.4                                 | 1.7                          | 60.9                                   | 66.2 | 72.3 | 21.0                               | 11.9 | 9.9  | 18.1              | 21.9 | 17.9 |  |  |
| Venezuela                   | 1992        |                                      | 7.2                          |                                      | 3.1                          | 57.3                                   | 61.5 | 63.6 | 23.2                               | 19.7 | 16.6 | 19.5              | 18.8 | 20.8 |  |  |
| Zambia                      | 1989        |                                      |                              | 3.4                                  | 5.9                          | 41.8                                   | 58.3 | 56.9 | 14.7                               | 10.6 | 11.6 | 43.4              | 31.1 | 31.5 |  |  |
| Zimbabwe                    | 1991        | 0.3                                  | 9.3                          | -0.0                                 | 2.9                          | 49.0                                   | 38.8 | 48.0 | 23.0                               | 18.6 | 15.9 | 28.0              | 42.6 | 36.0 |  |  |

a. At current prices

TABLE 1 12

## SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| wood and cork products (331)                           |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |
|--|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|-------------------------|------|------|-------------------|------|------|
| Country or area  | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output a/ |      |      | Operating surplus |      |      |
|  |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) |  |      |      | Costs of labour         |      |      | Operating surplus |      |      |
|  |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY                      | 1980 | 1985 | LY                | 1980 | 1985 |
| <b>Industrialized countries b/</b>                     |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |
| Australia  | 1991        |                                      | 41.6                         | 0.7                                  | 19.5                         | 57.1                                   | 56.8 | 55.1 | 22.3                    | 20.7 | 21.0 | 20.6              | 22.5 | 23.9 |
| Austria  | 1991        |                                      | 50.0                         | 0.9                                  | 21.5                         | 69.1                                   | 74.2 | 71.7 | 16.9                    | 13.4 | 12.2 | 14.0              | 12.4 | 16.2 |
| Belgium  | 1992        |                                      | 41.4                         | 0.1                                  | 19.9                         | 71.8                                   | 74.6 | 68.1 | 23.0                    | 19.6 | 20.2 | 5.3               | 6.8  | 21.7 |
| Canada   | 1992        | 4.1                                  | 49.5                         | -0.7                                 | 27.6                         | 60.5                                   | 69.7 | 62.0 | 25.2                    | 23.6 | 21.2 | 14.3              | 16.6 | 16.8 |
| Denmark  | 1991        | -1.0                                 | 34.7                         | -0.7                                 | 24.9                         | 57.6                                   | 67.3 | 53.6 | 27.1                    | 29.3 | 33.3 | 15.3              | 13.4 | 13.1 |
| Finland  | 1992        | 3.7                                  | 42.1                         | 1.4                                  | 21.3                         | 61.1                                   | 66.9 | 65.9 | 16.1                    | 18.1 | 17.3 | 22.8              | 15.0 | 16.8 |
| France   | 1992        | 1.5                                  | 48.9                         |                                      |                              | 62.1                                   | 61.6 | 57.7 | 24.2                    | 26.7 |      | 13.7              | 12.7 |      |
| Germany, western part                                  | 1992        | 1.9                                  | 69.9                         | 1.3                                  | 29.8                         | 54.7                                   | 55.3 | 46.9 | 19.4                    | 21.0 | 22.6 | 25.9              | 23.7 | 30.5 |
| Greece   | 1992        | -0.0                                 | 28.2                         | 1.1                                  | 11.4                         | 65.6                                   | 69.3 | 63.5 | 13.4                    | 17.2 | 14.7 | 21.0              | 13.6 | 21.7 |
| Iceland  | 1991        |                                      | 49.4                         |                                      | 25.4                         | 31.3                                   | 52.9 | 58.8 | 17.9                    | 18.3 | 16.1 | 50.9              | 28.8 | 22.0 |
| Ireland  | 1990        |                                      | 38.4                         | 1.3                                  | 16.8                         | 58.6                                   | 63.3 | 60.9 | 21.0                    | 18.9 | 17.1 | 20.4              | 17.9 | 22.0 |
| Israel   | 1991        |                                      | 22.9                         |                                      | 15.0                         | 58.2                                   | 59.6 | 59.5 | 23.2                    | 28.1 | 26.5 | 18.6              | 12.3 | 13.9 |
| Italy  | 1991        | 1.5                                  | 44.5                         |                                      |                              | 63.3                                   | 68.6 | 70.2 | 12.3                    | 13.3 | 19.7 | 24.6              | 18.1 | 10.1 |
| Japan  | 1992        | 1.0                                  | 55.7                         | 1.7                                  | 25.6                         | 66.8                                   | 63.0 | 60.3 | 14.2                    | 17.4 | 18.3 | 19.0              | 19.6 | 21.5 |
| Netherlands  | 1990        |                                      | 36.9                         | 2.2                                  | 27.2                         | 62.3                                   | 67.0 | 65.8 | 23.1                    | 26.9 | 25.2 | 14.6              | 6.1  | 9.0  |
| New Zealand  | 1990        |                                      | 25.4                         |                                      | 16.0                         | 65.3                                   | 66.7 | 66.6 | 23.4                    | 19.8 | 19.8 | 10.3              | 13.5 | 11.6 |
| Norway   | 1992        | 3.3                                  | 40.1                         | 1.8                                  | 32.2                         | 66.8                                   | 69.7 | 70.2 | 18.5                    | 19.1 | 23.9 | 14.7              | 11.2 | 5.9  |
| South Africa   | 1992        | -1.7                                 | 6.3                          | 1.1                                  | 4.2                          | 70.1                                   | 66.0 | 68.4 | 19.6                    | 18.7 | 21.1 | 10.3              | 15.3 | 10.5 |
| Spain  | 1991        |                                      | 29.8                         | -0.1                                 | 12.7                         | 59.6                                   | 58.6 | 62.6 | 19.9                    | 17.0 | 15.9 | 20.5              | 24.4 | 21.5 |
| Sweden   | 1992        | 2.3                                  | 47.8                         | 0.7                                  | 26.8                         | 57.9                                   | 63.9 | 74.7 | 15.9                    | 14.6 | 14.2 | 25.2              | 21.5 | 11.1 |
| United Kingdom   | 1992        |                                      | 42.8                         | 1.4                                  | 21.0                         | 64.4                                   | 63.2 | 60.5 | 18.0                    | 18.1 | 19.4 | 17.5              | 16.7 | 20.1 |
| United States of America                               | 1991        | 3.8                                  | 42.3                         | -0.4                                 | 20.3                         | 61.5                                   | 60.5 | 61.9 | 19.5                    | 19.6 | 18.3 | 19.0              | 19.7 | 19.8 |
| <b>Countries of eastern Europe and the former USSR</b> |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |
| Armenia  | 1991        |                                      | 5.8                          |                                      | 1.9                          |  |      | 26.5 |                         |      | 24.1 |                   |      | 49.5 |
| Bulgaria   | 1992        |                                      |                              |                                      | 1.1                          |  |      |      | 10.4                    | 9.4  | 13.0 |                   |      |      |
| Czech Republic   | 1992        |                                      |                              |                                      | 1.7                          |  |      |      |                         |      | 23.0 |                   |      |      |
| Hungary  | 1992        | 2.6                                  |                              | 0.1                                  | 2.7                          | 69.5                                   | 71.2 |      | 9.1                     | 10.4 | 24.6 | 21.4              | 18.4 |      |
| Kyrgyzstan   | 1992        |                                      |                              |                                      | 1.3                          |  |      |      |                         |      | 23.6 |                   |      |      |
| Latvia   | 1992        |                                      |                              |                                      | 1.5                          |  |      |      |                         |      | 13.7 |                   |      |      |
| Poland   | 1990        | 1.8                                  | 5.0                          |                                      | 1.2                          |  |      | 70.3 |                         |      | 7.2  |                   |      | 22.5 |
| Republic of Moldova                                    | 1991        |                                      |                              |                                      | 1.6                          |  |      |      |                         |      | 14.5 |                   |      |      |
| Romania  | 1991        |                                      | 3.5                          |                                      | 1.0                          |  |      | 55.9 |                         |      | 12.8 |                   |      | 31.3 |
| Ukraine  | 1992        |                                      |                              |                                      | 1.7                          |  |      |      |                         |      | 15.1 |                   |      |      |
| <b>Developing countries</b>                            |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |
| Argentina  | 1990        | 2.8                                  | 10.1                         |                                      | 3.3                          | 54.9                                   | 39.4 | 53.7 | 11.5                    | 17.4 | 15.1 | 33.6              | 43.1 | 31.2 |
| Bangladesh   | 1990        |                                      | 1.1                          |                                      | 0.5                          | 57.1                                   | 52.5 | 69.2 | 15.3                    | 6.6  | 13.4 | 26.5              | 41.0 | 17.4 |
| Belize   | 1992        |                                      | 4.9                          |                                      | 3.1                          |  |      | 82.4 |                         |      | 23.8 |                   |      | 13.9 |
| Bhutan   | 1989        |                                      | 2.0                          |                                      | 1.0                          |  |      | 54.9 |                         |      | 22.2 |                   |      | 22.9 |
| Bolivia  | 1991        | 0.8                                  | 6.1                          |                                      | 1.2                          | 66.3                                   | 66.0 | 66.1 | 14.0                    | 20.7 | 6.7  | 19.7              | 13.3 | 27.2 |
| Brazil   | 1990        | 5.1                                  | 9.3                          |                                      | 2.7                          | 45.8                                   | 43.6 | 33.0 | 13.4                    | 13.4 | 19.1 | 40.8              | 42.0 | 47.8 |

a/ At current prices

b/ Excluding countries of eastern Europe and the former USSR



TABLE 1.12  
(continued)

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Wood and cork products (331)          |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |
|---------------------------------------|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|-------------------------|------|------|-------------------|------|------|
| Country or area                       | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output a/ |      |      | Operating surplus |      |      |
|                                       |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) | 1980                                   | 1985 | LY   | Costs of labour         |      |      | Operating surplus |      |      |
|                                       |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      |  |      |      | LY                      | 1980 | 1985 | LY                | 1980 | 1985 |
| Chile                                 | 1991        | -3.7                                 | 14.6                         | 1.8                                  | 3.5                          | 42.4                                   | 48.8 | 59.6 | 14.2                    | 8.3  | 9.7  | 43.4              | 43.2 | 30.6 |
| China                                 | 1992        |                                      | 2.5                          |                                      |                              | 70.0                                   | 69.5 | 76.5 | 5.3                     | 5.0  |      | 24.8              | 25.5 |      |
| Colombia                              | 1991        | 4.2                                  | 9.1                          | 0.9                                  | 1.8                          | 50.5                                   | 49.0 | 49.3 | 11.5                    | 12.1 | 10.2 | 38.0              | 36.9 | 40.4 |
| Costa Rica                            | 1991        |                                      | 5.0                          |                                      | 3.0                          | 60.4                                   | 57.4 | 57.4 | 20.3                    | 21.0 | 25.5 | 19.3              | 21.7 | 17.1 |
| Croatia                               | 1992        |                                      | 10.1                         |                                      | 2.1                          |  |      | 52.8 |                         |      | 10.0 |                   |      | 37.2 |
| Cuba                                  | 1989        | 1.0                                  | 4.4                          |                                      | 2.5                          |  |      |      |                         |      |      |                   |      |      |
| Cyprus                                | 1992        | 0.1                                  | 21.9                         | 3.2                                  | 9.9                          | 55.6                                   | 56.7 | 56.2 | 17.7                    | 19.2 | 19.8 | 25.7              | 24.1 | 23.9 |
| Ecuador                               | 1990        | 8.4                                  | 4.9                          |                                      | 2.1                          | 51.6                                   | 66.6 | 65.8 | 23.6                    | 21.9 | 15.1 | 24.8              | 11.5 | 19.1 |
| Egypt                                 | 1989        | 6.6                                  | 3.0                          |                                      | 2.8                          | 77.1                                   | 75.0 | 30.3 | 18.0                    | 15.1 | 18.9 | 4.9               | 9.8  | 0.8  |
| El Salvador                           | 1991        |                                      |                              |                                      |                              | 33.3                                   | 50.0 | 16.7 | 41.3                    | 15.0 | 16.7 | 25.3              | 35.0 | 66.7 |
| Ethiopia                              | 1990        |                                      | 3.2                          | 1.4                                  | 1.5                          | 27.6                                   | 44.4 | 38.2 | 27.0                    | 22.0 | 29.0 | 35.4              | 33.5 | 32.7 |
| Fiji                                  | 1990        | -4.0                                 | 7.4                          | 1.2                                  | 4.5                          | 58.4                                   | 65.6 | 70.2 | 24.0                    | 19.8 | 18.1 | 17.7              | 14.7 | 11.6 |
| Hong Kong                             | 1991        |                                      | 11.6                         |                                      | 6.9                          | 67.8                                   | 72.7 | 74.6 | 15.6                    | 16.0 | 15.1 | 16.7              | 11.4 | 10.3 |
| India                                 | 1990        | 2.3                                  | 1.6                          | 2.0                                  | 0.6                          | 80.7                                   | 79.1 | 78.9 | 8.9                     | 10.1 | 7.8  | 10.3              | 10.8 | 13.3 |
| Indonesia                             | 1989        | -6.3                                 | 3.8                          | 3.7                                  | 0.9                          | 60.2                                   | 64.6 | 66.7 | 8.3                     | 8.9  | 7.6  | 31.5              | 25.6 | 25.7 |
| Iran (Islamic Republic of)            | 1990        |                                      |                              |                                      |                              |  | 49.5 | 52.0 |                         | 44.6 | 14.2 |                   | 6.0  | 33.7 |
| Jamaica                               | 1992        |                                      | 2.9                          |                                      | 1.4                          | 62.8                                   | 71.0 | 48.0 | 24.1                    | 22.7 | 24.6 | 13.1              | 6.2  | 27.4 |
| Jordan                                | 1992        |                                      | 3.8                          |                                      | 1.9                          |  |      | 54.0 |                         |      | 23.0 |                   |      | 23.0 |
| Kenya                                 | 1991        |                                      | 1.9                          |                                      | 1.0                          | 70.0                                   | 67.5 | 79.6 | 16.8                    | 15.3 | 11.2 | 13.2              | 17.2 | 9.2  |
| Kuwait                                | 1989        |                                      | 11.4                         |                                      | 6.3                          | 53.7                                   | 55.1 | 54.0 | 15.1                    | 32.4 | 25.3 | 31.2              | 11.4 | 20.7 |
| Macau                                 | 1992        |                                      | 9.2                          |                                      | 6.0                          | 54.1                                   | 55.4 | 62.8 | 24.6                    | 25.1 | 24.4 | 21.2              | 19.5 | 12.9 |
| Malaysia                              | 1991        |                                      | 6.8                          |                                      | 2.7                          |  | 69.3 | 69.4 |                         | 16.2 | 12.1 |                   | 14.5 | 18.4 |
| Mauritius                             | 1991        |                                      | 3.9                          | -0.6                                 | 1.8                          | 59.1                                   | 60.6 | 45.5 | 20.9                    | 30.4 | 24.1 | 20.0              | 8.9  | 29.3 |
| Mexico                                | 1991        |                                      | 11.7                         |                                      | 3.3                          | 57.1                                   | 55.6 | 55.6 | 14.5                    | 12.2 | 12.2 | 28.4              | 31.2 | 31.2 |
| Nepal                                 | 1991        |                                      | 2.2                          |                                      | 2.4                          |  |      | 57.1 |                         |      | 8.2  |                   |      | 34.7 |
| Panama                                | 1989        | -2.3                                 | 5.4                          | 0.4                                  | 3.6                          | 51.8                                   | 65.3 | 68.0 | 18.2                    | 18.9 | 21.4 | 30.0              | 14.5 | 10.5 |
| Philippines                           | 1989        |                                      | 3.6                          | 1.8                                  | 1.4                          | 66.2                                   | 70.5 | 61.8 | 11.5                    | 14.8 | 14.7 | 22.3              | 14.6 | 23.5 |
| Qatar                                 | 1992        |                                      | 5.5                          |                                      | 4.3                          |  |      | 61.1 |                         |      | 30.0 |                   |      | 8.8  |
| Republic of Korea                     | 1991        | 5.8                                  | 30.6                         | 8.3                                  | 10.5                         | 79.7                                   | 72.7 | 58.1 | 10.4                    | 12.2 | 14.4 | 10.0              | 15.1 | 27.4 |
| Saudi Arabia                          | 1989        |                                      | 9.5                          |                                      | 5.6                          |  |      | 68.6 |                         |      | 18.6 |                   |      | 12.7 |
| Singapore                             | 1992        | 1.4                                  | 22.4                         | 5.9                                  | 12.4                         | 76.0                                   | 71.9 | 73.7 | 10.7                    | 14.2 | 14.5 | 13.4              | 13.9 | 11.7 |
| Slovenia                              | 1992        |                                      | 8.8                          |                                      | 7.6                          |  |      | 70.9 |                         |      | 25.2 |                   |      | 3.9  |
| Sri Lanka                             | 1990        |                                      |                              |                                      |                              | 65.8                                   |      | 33.6 | 15.1                    | 25.0 | 16.5 | 18.1              |      | 49.9 |
| Suriname                              | 1992        |                                      |                              |                                      |                              |  |      |      | 58.5                    | 72.1 | 29.1 |                   |      |      |
| Taiwan Province                       | 1992        |                                      | 12.7                         | 5.4                                  | 9.3                          | 72.8                                   | 65.7 | 75.9 | 14.7                    | 20.8 | 17.5 | 12.5              | 12.6 | 6.5  |
| The former Yugoslav Rep. of Macedonia | 1992        |                                      |                              |                                      |                              |  |      | 60.2 |                         |      | 17.3 |                   |      | 22.5 |
| Thailand                              | 1991        |                                      | 9.4                          |                                      | 1.9                          |  |      | 55.2 |                         |      | 8.7  |                   |      | 35.1 |
| Tonga                                 | 1992        |                                      |                              | -1.4                                 | 1.2                          |  |      |      | 37.3                    | 36.8 | 37.4 |                   |      |      |
| Turkey                                | 1991        | 7.8                                  | 15.1                         | 4.2                                  | 6.7                          | 60.7                                   | 72.5 | 69.1 | 14.7                    | 9.9  | 13.8 | 24.5              | 17.5 | 17.2 |
| Uruguay                               | 1990        |                                      | 7.8                          |                                      | 2.3                          |  | 54.3 | 49.1 |                         | 18.1 | 14.9 |                   | 27.6 | 35.0 |
| Venezuela                             | 1992        |                                      | 7.3                          |                                      | 3.0                          | 55.8                                   | 57.4 | 62.0 | 19.4                    | 18.7 | 15.8 | 23.8              | 23.9 | 22.2 |
| Zambia                                | 1989        | -0.8                                 | 19.3                         | 1.9                                  | 2.8                          | 52.6                                   | 45.6 | 45.3 | 18.5                    | 9.7  | 7.7  | 28.9              | 44.7 | 45.0 |
| Zimbabwe                              | 1991        |                                      | 7.6                          | 3.4                                  | 2.5                          | 45.9                                   | 55.7 | 42.5 | 25.4                    | 29.5 | 18.9 | 25.7              | 13.8 | 35.5 |

a. At current prices

TABLE 1.12

## SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Country or area                                 | Latest year | Furniture, fixtures excl metallic (332) |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |      |
|---|-------------|---|------------------------------|--------------------------------------|------------------------------|--|------|------|-------------------------|------|------|-------------------|------|------|------|
|   |             | Value added per employee                |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output a/ |      |      | Operating surplus |      |      |      |
|   |             | Real annual growth rate (percentage)    | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) |  |      |      | Costs of labour         |      |      |                   |      |      |      |
|   |             | (LY)                                    | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY                      | 1980 | 1985 | LY                | 1980 | 1985 | LY   |
| Industrialized countries b/                     |             |   |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |      |
| Australia                                       | 1991        |   | 30.5                         |                                      | 0.2                          | 17.5                                   | 56.4 | 55.4 | 56.3                    | 25.8 | 24.6 | 25.1              | 17.8 | 20.0 | 18.7 |
| Austria   | 1991        |   | 36.2                         |                                      | 1.0                          | 20.3                                   | 58.9 | 59.6 | 57.5                    | 24.1 | 25.2 | 23.8              | 17.0 | 15.2 | 18.7 |
| Belgium   | 1992        |   | 85.7                         |                                      | 0.1                          | 19.9                                   | 62.6 | 67.5 | 67.4                    |      |      |                   |      |      |      |
| Canada  | 1992        | -0.5                                    | 37.1                         |                                      | -0.1                         | 21.4                                   | 49.8 | 48.7 | 49.1                    | 28.7 | 27.7 | 29.4              | 21.5 | 23.5 | 21.6 |
| Denmark   | 1991        | -0.5                                    | 32.2                         |                                      | -1.3                         | 22.5                                   | 46.9 | 49.5 | 49.7                    | 37.4 | 31.0 | 35.2              | 15.8 | 19.5 | 15.2 |
| Finland   | 1992        | 2.8                                     | 33.0                         |                                      | 1.5                          | 20.1                                   | 48.4 | 48.4 | 56.3                    | 25.6 | 27.4 | 26.7              | 26.0 | 24.1 | 17.0 |
| France  | 1992        | 1.7                                     | 59.7                         |                                      |                              |  | 55.1 | 56.6 | 51.0                    | 29.7 | 29.7 |                   | 15.3 | 13.6 |      |
| Germany, western part                           | 1992        | 0.5                                     | 68.3                         |                                      | 1.2                          | 31.9                                   | 49.5 | 51.8 | 49.8                    | 25.8 | 25.5 | 23.4              | 24.7 | 22.7 | 26.8 |
| Greece  | 1992        |   | 16.6                         |                                      | 0.2                          | 8.0                                    | 53.1 | 54.9 | 55.3                    | 22.3 | 24.7 | 21.6              | 24.5 | 20.5 | 23.0 |
| Iceland   | 1991        |   | 37.7                         |                                      | 5.1                          | 31.2                                   | 40.7 | 47.7 | 58.2                    | 23.2 | 23.2 | 34.5              | 36.1 | 29.2 | 7.2  |
| Ireland   | 1990        |   | 27.9                         |                                      | 0.2                          | 13.4                                   | 54.1 | 56.2 | 55.3                    | 24.0 | 25.1 | 21.5              | 21.9 | 18.7 | 23.2 |
| Israel  | 1991        |   | 22.4                         |                                      |                              | 12.3                                   | 49.9 | 60.3 | 57.0                    | 26.5 | 25.1 | 24.6              | 23.6 | 14.6 | 18.4 |
| Italy   | 1991        | 2.6                                     | 43.5                         |                                      |                              |  | 56.0 | 66.2 | 69.2                    | 15.0 | 15.9 | 21.4              | 29.0 | 17.9 | 9.5  |
| Japan   | 1992        |   | 62.0                         |                                      | 1.9                          | 27.2                                   | 58.0 | 56.0 | 54.7                    | 17.9 | 19.8 | 19.9              | 24.1 | 24.2 | 25.4 |
| Netherlands                                     | 1990        |   | 35.3                         |                                      | 2.5                          | 26.4                                   | 59.1 | 64.2 | 64.2                    | 26.3 | 29.2 | 26.8              | 14.6 | 6.6  | 9.0  |
| New Zealand                                     | 1990        |   | 23.2                         |                                      |                              | 14.1                                   | 61.3 | 65.0 | 65.7                    | 28.6 | 19.8 | 20.9              | 10.1 | 16.2 | 13.4 |
| Norway  | 1992        | -0.1                                    | 38.8                         |                                      | 1.9                          | 31.2                                   | 63.1 | 64.7 | 65.8                    | 24.8 | 22.4 | 27.5              | 12.1 | 13.0 | 6.7  |
| South Africa                                    | 1992        | -1.0                                    | 6.8                          |                                      | -1.8                         | 5.7                                    | 68.0 | 66.7 | 70.0                    | 21.4 | 27.4 | 25.1              | 10.5 | 5.9  | 4.9  |
| Spain   | 1991        |   | 28.2                         |                                      | 0.6                          | 13.7                                   | 53.1 | 63.0 | 59.6                    | 23.9 | 21.1 | 19.6              | 23.0 | 26.9 | 20.8 |
| Sweden  | 1992        | 1.7                                     | 43.1                         |                                      | 0.5                          | 24.5                                   | 50.1 | 54.5 | 66.2                    | 25.6 | 18.8 | 19.2              | 26.2 | 26.7 | 14.6 |
| United Kingdom                                  | 1992        |   | 42.2                         |                                      | 1.2                          | 22.0                                   | 51.8 | 52.1 | 57.4                    | 26.9 | 23.5 | 24.8              | 21.4 | 24.4 | 22.8 |
| United States of America                        | 1991        | 3.8                                     | 39.8                         |                                      | 0.2                          | 19.2                                   | 48.5 | 48.0 | 49.1                    | 25.9 | 25.6 | 24.6              | 25.6 | 26.3 | 26.3 |
| Countries of eastern Europe and the former USSR |             |   |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |      |
| Armenia   | 1991        |   |                              |                                      |                              | 1.8                                    |      |      |                         |      |      | 15.1              |      |      |      |
| Bulgaria  | 1992        |   |                              |                                      |                              | 0.9                                    |      |      |                         | 9.1  | 9.5  | 13.5              |      |      |      |
| Czech Republic                                  | 1992        |   |                              |                                      |                              | 1.6                                    |      |      |                         |      |      | 25.5              |      |      |      |
| Hungary   | 1992        | 1.7                                     |                              |                                      | 0.2                          | 2.5                                    | 72.0 | 67.8 |                         | 11.2 | 12.3 | 20.4              | 16.8 | 19.9 |      |
| Kyrgyzstan                                      | 1992        |   |                              |                                      |                              | 1.6                                    |      |      |                         |      |      | 23.5              |      |      |      |
| Latvia  | 1992        |   |                              |                                      |                              | 1.5                                    |      |      |                         |      |      | 15.1              |      |      |      |
| Poland  | 1990        | 4.2                                     | 4.0                          |                                      |                              | 1.1                                    |      |      | 48.0                    |      |      | 14.0              |      |      | 37.9 |
| Republic of Moldova                             | 1991        |   |                              |                                      |                              | 2.2                                    |      |      |                         |      |      | 12.5              |      |      |      |
| Romania   | 1991        |   | 1.4                          |                                      |                              | 1.0                                    |      |      | 64.2                    |      |      | 26.1              |      |      | 9.7  |
| Ukraine   | 1992        |   |                              |                                      |                              | 2.2                                    |      |      |                         |      |      | 17.1              |      |      |      |
| Developing countries                            |             |   |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |      |
| Argentina                                       | 1990        | -1.1                                    | 17.4                         |                                      |                              | 3.2                                    | 59.1 | 44.1 | 52.0                    | 10.1 | 13.7 | 9.0               | 30.8 | 42.2 | 39.0 |
| Bahamas   | 1991        |   | 23.6                         |                                      |                              | 12.6                                   |      |      | 40.1                    |      |      | 32.1              |      |      | 27.8 |
| Bangladesh                                      | 1990        |   | 1.1                          |                                      |                              | 0.4                                    | 48.6 | 68.2 | 46.9                    | 22.9 | 16.5 | 17.8              | 28.6 | 15.3 | 35.3 |
| Barbados  | 1992        |   | 10.1                         |                                      | 2.8                          | 8.8                                    | 70.0 |      | 68.2                    | 18.0 |      | 27.5              | 12.0 |      | 4.2  |
| Belize  | 1992        |   | 3.0                          |                                      |                              | 1.5                                    |      |      | 69.6                    |      |      | 15.1              |      |      | 15.3 |
| Bhutan  | 1989        |   | 2.0                          |                                      |                              | 1.1                                    |      |      | 42.6                    |      |      | 30.1              |      |      | 27.3 |

a/ At current prices

b/ Excluding countries of eastern Europe and the former USSR

TABLE 1.12  
(continued)

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Furniture, fixtures excl metallic (332) |      |                                      |                              |                                      |                              |  |      |      |                 |      |      |                   |      |      |
|---|------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|-----------------|------|------|-------------------|------|------|
| Country or area                         | Year | Value added per employee             |                              | Wages per employee                   |                              | Percentage in output <sup>a/</sup>     |      |      |                 |      |      |                   |      |      |
|   |      | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) | Costs of input materials and utilities |      |      | Costs of labour |      |      | Operating surplus |      |      |
|   |      | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY              | 1980 | 1985 | LY                | 1980 | 1985 |
| Bolivia                                 | 1991 |                                      | 2.2                          |                                      | 1.1                          | 52.5                                   | 38.9 | 66.7 | 27.7            | 17.3 | 16.9 | 16.8              | 43.8 | 16.4 |
| Brazil                                  | 1990 |                                      | 9.9                          |                                      | 3.1                          | 49.3                                   | 47.1 | 30.1 | 14.4            | 13.2 | 21.5 | 36.3              | 39.7 | 48.4 |
| Chile                                   | 1991 | 3.0                                  | 11.2                         |                                      | 0.9                          | 38.1                                   | 50.0 | 49.7 | 12.0            | 13.5 | 16.4 | 49.9              | 36.6 | 34.9 |
| China                                   | 1992 |                                      | 9.1                          |                                      |                              | 44.9                                   | 66.0 | 73.6 | 2.6             | 1.5  |      | 52.6              | 32.5 |      |
| Colombia                                | 1991 | -3.8                                 | 4.6                          |                                      | 0.1                          | 47.9                                   | 50.7 | 51.3 | 19.4            | 18.1 | 15.3 | 32.7              | 31.2 | 33.4 |
| Costa Rica                              | 1991 |                                      | 7.4                          |                                      |                              | 2.5                                    | 58.1 | 68.1 | 19.3            | 14.1 | 10.9 | 22.6              | 17.8 | 21.0 |
| Croatia                                 | 1992 |                                      | 7.4                          |                                      |                              | 2.0                                    |      | 55.0 |                 |      | 12.0 |                   |      | 33.0 |
| Cyprus                                  | 1992 | 3.0                                  | 17.6                         |                                      | 4.0                          | 9.6                                    | 51.2 | 55.0 | 56.0            | 18.8 | 20.9 | 24.1              | 30.0 | 24.1 |
| Ecuador                                 | 1990 |                                      | 3.0                          |                                      | -1.3                         | 2.1                                    | 40.2 | 48.8 | 67.1            | 26.6 | 21.6 | 22.7              | 33.2 | 29.8 |
| Egypt                                   | 1989 | 6.1                                  | 2.6                          |                                      |                              | 2.4                                    | 77.4 | 64.2 | 80.0            | 13.2 | 17.9 | 18.4              | 9.4  | 17.9 |
| El Salvador                             | 1991 |                                      |                              |                                      |                              | 41.7                                   | 44.4 | 49.3 | 20.3            | 13.0 | 16.9 | 38.0              | 42.5 | 34.8 |
| Ethiopia                                | 1990 |                                      | 3.5                          |                                      | -1.4                         | 1.6                                    | 44.1 | 58.1 | 43.8            | 28.4 | 16.0 | 26.7              | 27.4 | 26.0 |
| Fiji                                    | 1990 |                                      | 3.2                          |                                      | -1.7                         | 2.2                                    | 73.7 | 64.6 | 71.3            | 14.5 | 22.8 | 19.8              | 11.8 | 12.6 |
| Hong Kong                               | 1991 |                                      | 14.2                         |                                      | 3.2                          | 8.0                                    | 55.4 | 67.1 | 66.0            | 25.0 | 23.8 | 21.1              | 19.6 | 9.1  |
| India                                   | 1990 |                                      | 1.2                          |                                      | 3.5                          | 0.9                                    | 75.1 | 78.8 | 73.9            | 18.6 | 19.4 | 18.9              | 6.4  | 1.8  |
| Indonesia                               | 1989 |                                      | 1.6                          |                                      | 2.9                          | 0.6                                    | 59.1 | 60.8 | 61.1            | 26.9 | 19.6 | 15.0              | 14.0 | 19.6 |
| Iran (Islamic Republic of)              | 1990 |                                      |                              |                                      |                              | 45.1                                   | 47.6 | 60.4 | 26.7            | 46.7 | 18.6 | 28.2              | 6.7  | 20.8 |
| Iraq                                    | 1992 |                                      |                              |                                      |                              |  | 43.3 | 64.9 |                 | 34.3 | 18.9 |                   | 22.4 | 16.3 |
| Jamaica                                 | 1992 |                                      | 4.6                          |                                      | 3.1                          | 73.7                                   | 69.0 | 75.8 | 15.5            | 16.1 | 16.2 | 10.8              | 14.9 | 8.0  |
| Jordan                                  | 1992 |                                      | 5.8                          |                                      | 2.1                          |  |      |      |                 |      | 30.6 |                   |      |      |
| Kenya                                   | 1991 | -3.6                                 | 2.8                          |                                      | 1.0                          | 78.0                                   | 68.3 | 54.0 | 11.4            | 14.4 | 16.3 | 10.6              | 17.3 | 29.6 |
| Kuwait                                  | 1989 |                                      | 14.0                         |                                      | 7.4                          | 43.3                                   | 55.1 | 49.3 | 26.0            | 25.1 | 26.8 | 31.7              | 19.8 | 23.9 |
| Macao                                   | 1992 |                                      | 8.8                          |                                      | 5.5                          | 55.5                                   | 54.4 | 50.4 | 31.8            | 33.7 | 31.4 | 12.7              | 11.9 | 18.2 |
| Malaysia                                | 1991 |                                      | 5.2                          |                                      | 2.2                          |  | 61.1 | 62.9 |                 | 20.6 | 16.8 |                   | 18.3 | 21.2 |
| Mauritius                               | 1991 |                                      | 3.8                          |                                      | 2.6                          | 2.5                                    | 57.6 | 59.3 | 67.8            | 21.4 | 19.6 | 21.0              | 21.1 | 11.1 |
| Mexico                                  | 1991 |                                      | 10.7                         |                                      | 4.4                          | 48.3                                   | 49.2 | 49.0 | 14.2            | 16.4 | 20.7 | 37.5              | 34.4 | 30.3 |
| Nepal                                   | 1991 |                                      | 1.6                          |                                      | 0.5                          |  | 57.0 |      |                 |      | 13.2 |                   |      | 29.9 |
| Panama                                  | 1989 |                                      | 4.4                          |                                      | 3.1                          | 56.0                                   | 57.8 | 68.3 | 20.6            | 22.0 | 22.6 | 23.6              | 20.2 | 9.2  |
| Philippines                             | 1989 |                                      | 1.9                          |                                      | 1.2                          | 1.1                                    | 55.3 | 64.7 | 69.8            | 17.2 | 23.6 | 22.6              | 27.6 | 11.8 |
| Qatar                                   | 1992 |                                      | 9.1                          |                                      | 4.2                          |  | 49.3 |      |                 |      | 23.4 |                   |      | 27.3 |
| Republic of Korea                       | 1991 | -0.2                                 | 32.0                         |                                      | 8.2                          | 10.4                                   | 64.3 | 58.9 | 47.5            | 18.3 | 17.6 | 17.0              | 17.4 | 23.6 |
| Saudi Arabia                            | 1989 |                                      | 9.1                          |                                      | 6.0                          |  | 76.6 |      |                 |      | 16.3 |                   |      | 8.2  |
| Singapore                               | 1992 | 2.8                                  | 18.0                         |                                      | 4.8                          | 10.4                                   | 52.6 | 63.1 | 65.2            | 19.7 | 20.6 | 20.1              | 17.7 | 16.3 |
| Slovenia                                | 1992 |                                      | 12.3                         |                                      | 11.0                         |  |      | 68.3 |                 |      | 28.4 |                   |      | 3.3  |
| Sri Lanka                               | 1990 |                                      |                              |                                      |                              | 43.8                                   |      | 63.9 | 31.3            | 18.2 | 19.7 | 25.0              |      | 16.4 |
| Suriname                                | 1992 |                                      |                              |                                      |                              |  |      |      | 35.0            | 20.0 | 14.4 |                   |      |      |
| Taiwan Province                         | 1992 |                                      | 11.9                         |                                      | 6.9                          | 10.9                                   | 44.5 | 62.6 | 62.9            | 29.4 | 36.3 | 34.0              | 26.1 | 1.3  |
| The Yugoslav Rep of Macedonia           | 1992 |                                      |                              |                                      |                              |  |      | 59.6 |                 |      | 15.6 |                   |      | 24.8 |
| Thailand                                | 1991 |                                      | 9.5                          |                                      | 1.9                          |  |      | 49.2 |                 |      | 10.3 |                   |      | 40.6 |
| Tonga                                   | 1990 |                                      |                              |                                      | 1.0                          | 2.2                                    |      |      | 35.3            | 34.3 | 37.3 |                   |      |      |
| Turkey                                  | 1991 | 11.3                                 | 22.3                         |                                      | 8.8                          | 5.1                                    | 63.6 | 44.3 | 50.7            | 11.6 | 6.1  | 11.3              | 24.8 | 49.6 |
| Uruguay                                 | 1990 |                                      | 4.8                          |                                      | 1.5                          |  | 62.2 | 61.5 |                 | 20.3 | 15.3 |                   | 27.5 | 33.2 |
| Venezuela                               | 1992 |                                      | 7.2                          |                                      | 2.8                          | 55.0                                   | 55.9 | 61.0 | 21.6            | 21.6 | 16.1 | 23.4              | 22.6 | 23.9 |
| Zambia                                  | 1989 |                                      | 15.4                         |                                      | 5.1                          | 3.7                                    | 39.8 | 57.2 | 58.1            | 17.8 | 11.3 | 10.1              | 42.3 | 31.5 |
| Zimbabwe                                | 1991 |                                      | 5.9                          |                                      | 1.0                          | 2.5                                    | 56.1 | 50.6 | 56.6            | 23.6 | 26.1 | 18.7              | 21.4 | 24.4 |

a. At current prices

TABLE 1.12

## SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Country or area  | Latest year | Paper (341)                          |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
|--|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|------------------------------------|------|------|-------------------|------|------|
|  |             | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |
|  |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) |  |      |      | Costs of labour                    |      |      | Operating surplus |      |      |
|  |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY                                 | 1980 | 1985 | LY                | 1980 | 1985 |
| <b>Industrialized countries b/</b>                     |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Australia  | 1991        | 3.9                                  | 72.9                         | 1.9                                  | 28.7                         | 62.4                                   | 63.6 | 61.7 | 20.0                               | 18.2 | 16.0 | 17.6              | 18.1 | 23.2 |
| Austria  | 1991        | 6.2                                  | 65.3                         | 2.5                                  | 32.4                         | 68.7                                   | 72.3 | 68.2 | 17.0                               | 14.5 | 16.8 | 14.3              | 13.2 | 16.1 |
| Belgium  | 1992        | 4.3                                  | 61.3                         | 0.8                                  | 27.6                         | 71.7                                   | 73.2 | 73.8 | 15.0                               | 11.8 | 11.8 | 13.3              | 5.1  | 14.4 |
| Canada   | 1992        | 1.7                                  | 60.4                         | 0.6                                  | 36.3                         | 55.6                                   | 60.0 | 64.1 | 18.3                               | 20.1 | 21.6 | 26.1              | 20.0 | 14.3 |
| Denmark  | 1991        | 0.8                                  | 60.2                         | 0.3                                  | 33.1                         | 54.4                                   | 58.9 | 52.9 | 26.8                               | 22.0 | 25.9 | 18.8              | 19.1 | 21.2 |
| Finland  | 1992        | 4.4                                  | 75.2                         | 2.3                                  | 32.3                         | 69.6                                   | 70.6 | 69.1 | 10.7                               | 10.1 | 13.3 | 19.7              | 19.3 | 17.7 |
| France   | 1992        | 4.1                                  | 63.9                         |                                      |                              | 67.1                                   | 67.9 | 67.3 | 24.3                               | 20.9 |      | 8.6               | 11.2 |      |
| Germany, western part                                  | 1992        | 3.0                                  | 93.1                         | 1.5                                  | 33.6                         | 65.5                                   | 57.6 | 48.0 | 19.5                               | 16.3 | 18.8 | 15.0              | 26.1 | 33.2 |
| Greece   | 1992        | 5.0                                  | 40.5                         | 1.1                                  | 14.5                         | 73.0                                   | 75.0 | 58.1 | 14.0                               | 15.0 | 16.0 | 13.0              | 10.0 | 26.9 |
| Iceland  | 1991        |                                      | 46.5                         | 3.8                                  | 34.3                         | 64.9                                   | 62.0 | 60.4 | 22.1                               | 22.3 | 29.2 | 12.7              | 15.7 | 10.4 |
| Ireland  | 1990        | 2.6                                  | 55.9                         | 1.1                                  | 23.5                         | 63.5                                   | 62.9 | 60.1 | 21.5                               | 17.7 | 16.7 | 16.0              | 19.4 | 23.1 |
| Israel   | 1991        | 2.5                                  | 37.3                         |                                      | 20.1                         | 58.1                                   | 71.0 | 64.8 | 20.1                               | 18.8 | 19.0 | 21.7              | 10.2 | 16.2 |
| Italy  | 1991        | 2.0                                  | 63.0                         |                                      |                              | 62.8                                   | 71.8 | 68.4 | 12.7                               | 11.0 | 19.4 | 24.4              | 17.3 | 12.2 |
| Japan  | 1992        | 4.1                                  | 100.7                        | 1.6                                  | 33.5                         | 69.5                                   | 66.4 | 60.2 | 10.9                               | 12.0 | 13.2 | 19.7              | 21.6 | 26.6 |
| Netherlands  | 1990        | 4.9                                  | 66.4                         | 3.0                                  | 34.7                         | 69.1                                   | 68.9 | 66.2 | 19.2                               | 18.7 | 17.7 | 11.7              | 12.4 | 16.2 |
| New Zealand  | 1990        |                                      | 56.9                         | -0.3                                 | 25.0                         | 74.3                                   | 69.8 | 66.1 | 15.9                               | 16.6 | 14.9 | 9.8               | 13.5 | 19.0 |
| Norway   | 1992        | 7.1                                  | 55.4                         | 2.7                                  | 39.6                         | 75.5                                   | 74.1 | 76.4 | 15.5                               | 13.2 | 16.9 | 9.0               | 12.7 | 6.7  |
| South Africa   | 1992        | -0.3                                 | 23.7                         | 0.8                                  | 10.6                         | 64.1                                   | 67.0 | 66.6 | 14.6                               | 13.8 | 16.0 | 21.3              | 19.2 | 18.4 |
| Spain  | 1991        |                                      | 50.2                         | 1.5                                  | 22.2                         | 68.5                                   | 68.4 | 70.0 | 13.3                               | 10.8 | 13.3 | 18.2              | 20.8 | 16.7 |
| Sweden   | 1992        | 3.5                                  | 65.1                         | 1.2                                  | 32.4                         | 63.7                                   | 62.5 | 74.2 | 14.2                               | 11.8 | 12.8 | 22.1              | 26.7 | 12.9 |
| Switzerland  | 1992        |                                      | 65.5                         |                                      |                              |  |      | 62.5 |                                    |      |      |                   |      |      |
| United Kingdom   | 1992        | 4.2                                  | 62.4                         | 2.4                                  | 26.9                         | 59.4                                   | 59.1 | 54.3 | 21.2                               | 18.8 | 19.7 | 19.3              | 22.1 | 26.0 |
| United States of America                               | 1991        | 3.8                                  | 95.4                         | 0.5                                  | 31.6                         | 59.3                                   | 56.8 | 54.8 | 16.0                               | 16.4 | 16.0 | 24.7              | 26.8 | 30.2 |
| <b>Countries of eastern Europe and the former USSR</b> |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Armenia  | 1991        |                                      | 2.9                          |                                      | 1.4                          |  |      | 86.9 |                                    |      | 6.5  |                   |      | 6.6  |
| Bulgaria   | 1992        |                                      |                              |                                      | 1.1                          |  |      |      | 6.8                                | 7.1  | 9.1  |                   |      |      |
| Czech Republic   | 1992        |                                      |                              |                                      | 1.8                          |  |      |      |                                    |      | 13.0 |                   |      |      |
| Hungary  | 1992        | 1.9                                  |                              | 1.7                                  | 3.7                          | 74.3                                   | 70.1 |      | 6.5                                | 7.0  | 12.1 | 19.2              | 22.9 |      |
| Kyrgyzstan   | 1992        |                                      |                              |                                      | 0.9                          |  |      |      |                                    |      | 8.6  |                   |      |      |
| Latvia   | 1992        |                                      |                              |                                      | 1.5                          |  |      |      |                                    |      | 8.1  |                   |      |      |
| Poland   | 1990        | 1.6                                  | 8.3                          |                                      | 1.3                          |  |      | 56.8 |                                    |      | 6.5  |                   |      | 36.6 |
| Republic of Moldova                                    | 1991        |                                      |                              |                                      | 1.6                          |  |      |      |                                    |      | 5.9  |                   |      |      |
| Romania  | 1991        |                                      | 4.1                          |                                      | 1.3                          |  |      | 69.4 |                                    |      | 9.4  |                   |      | 21.3 |
| Ukraine  | 1992        |                                      |                              |                                      | 2.1                          |  |      |      |                                    |      | 7.0  |                   |      |      |
| <b>Developing countries</b>                            |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Argentina  | 1990        | 1.9                                  | 29.5                         |                                      | 5.9                          | 56.1                                   |      | 58.7 | 10.2                               | 11.4 | 8.3  | 33.7              |      | 33.1 |
| Bangladesh   | 1990        | 1.9                                  | 3.2                          | 3.2                                  | 1.2                          | 63.1                                   | 75.1 | 68.9 | 10.3                               | 9.4  | 11.8 | 26.6              | 15.5 | 19.3 |
| Belize   | 1992        |                                      | 10.2                         |                                      | 4.9                          |  |      | 67.2 |                                    |      | 15.9 |                   |      | 16.9 |
| Bhutan   | 1989        |                                      | 1.1                          |                                      | 0.5                          |  |      | 85.3 |                                    |      | 7.0  |                   |      | 7.7  |
| Bolivia  | 1991        |                                      | 10.3                         |                                      | 1.5                          | 67.6                                   | 61.2 | 58.3 | 17.6                               | 7.9  | 6.2  | 14.7              | 30.9 | 35.4 |

a/ At current prices

b/ Excluding countries of eastern Europe and the former USSR

TABLE 1.12  
continued

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Paper (341)                           |             |                                      |                              |                                      |                              |  |      |      |                 |      |      |                   |      |      |
|---------------------------------------|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|-----------------|------|------|-------------------|------|------|
| Country or area                       | Latest year | Value added per employee             |                              | wages per employee                   |                              | Percentage in output <sup>a/</sup>     |      |      |                 |      |      |                   |      |      |
|                                       |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) | Costs of input materials and utilities |      |      | Costs of labour |      |      | Operating surplus |      |      |
|                                       |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | 1980                                   | 1985 | LY   | 1980            | 1985 | LY   | 1980              | 1985 | LY   |
| Brazil                                | 1990        | 2.5                                  | 28.4                         |                                      | 5.5                          | 56.8                                   | 53.5 | 55.5 | 9.5             | 9.1  | 10.2 | 33.7              | 37.4 | 34.3 |
| Cameroon                              | 1990        |                                      | 16.7                         |                                      | 7.1                          | 45.7                                   |      | 73.0 | 8.5             |      | 11.5 | 45.7              |      | 15.4 |
| Chile                                 | 1991        | -1.1                                 | 62.1                         |                                      | 6.7                          | 41.1                                   | 49.1 | 47.8 | 8.4             | 5.3  | 5.6  | 60.5              | 45.5 | 46.5 |
| China                                 | 1952        |                                      | 2.7                          |                                      |                              | 49.2                                   | 69.3 | 76.2 | 6.3             | 4.2  |      | 44.4              | 26.4 |      |
| Colombia                              | 1991        | 5.6                                  | 28.8                         |                                      | 3.5                          | 62.0                                   | 63.2 | 63.3 | 5.8             | 5.5  | 4.5  | 31.2              | 31.4 | 32.2 |
| Costa Rica                            | 1991        |                                      | 16.7                         |                                      | 4.8                          | 77.4                                   | 72.5 | 74.6 | 6.0             | 6.8  | 7.4  | 16.6              | 20.6 | 18.1 |
| Croatia                               | 1992        |                                      | 12.8                         |                                      | 2.6                          |  |      | 61.5 |                 |      | 7.8  |                   |      | 30.7 |
| Cyprus                                | 1992        | 0.5                                  | 25.6                         |                                      | 4.5                          | 66.1                                   | 71.1 | 65.9 | 12.1            | 12.2 | 16.5 | 21.8              | 16.7 | 17.6 |
| Ecuador                               | 1990        | -1.6                                 | 8.6                          |                                      | 3.1                          | 71.9                                   | 78.2 | 84.9 | 13.3            | 8.5  | 5.4  | 14.8              | 13.2 | 9.7  |
| Egypt                                 | 1989        | -3.5                                 | 7.9                          |                                      | 3.3                          | 76.0                                   | 69.8 | 80.2 | 8.5             | 19.0 | 8.2  | 15.5              | 11.2 | 11.6 |
| El Salvador                           | 1991        |                                      |                              |                                      |                              | 49.2                                   | 47.6 | 62.0 | 12.0            | 11.6 | 8.6  | 38.8              | 40.8 | 29.4 |
| Ethiopia                              | 1990        |                                      | 2.4                          |                                      | 5.2                          | 53.3                                   | 57.4 | 83.2 | 5.1             | 7.7  | 12.6 | 41.5              | 34.8 | 4.1  |
| Fiji                                  | 1990        |                                      | 22.1                         |                                      | -1.4                         | 67.6                                   | 70.3 | 57.5 | 15.3            | 13.1 | 7.6  | 17.2              | 16.6 | 24.9 |
| Hong Kong                             | 1991        | 12.4                                 | 20.9                         |                                      | 5.0                          | 66.9                                   | 75.4 | 70.9 | 16.5            | 15.3 | 14.5 | 16.6              | 9.3  | 14.6 |
| India                                 | 1990        | 6.2                                  | 4.0                          |                                      | 1.7                          | 78.1                                   | 85.9 | 80.2 | 10.3            | 8.7  | 6.8  | 11.7              | 5.5  | 13.0 |
| Indonesia                             | 1989        | -5.2                                 | 6.8                          |                                      | 5.0                          | 73.8                                   | 70.5 | 75.7 | 7.3             | 6.5  | 4.2  | 19.0              | 23.0 | 20.2 |
| Iran - Islamic Republic of            | 1990        |                                      |                              |                                      |                              | 60.0                                   | 49.0 | 56.2 | 25.6            | 27.5 | 14.2 | 14.4              | 23.5 | 29.6 |
| Jordan                                | 1992        |                                      | 15.6                         |                                      | 3.4                          | 66.4                                   | 77.2 | 44.8 | 15.3            | 13.5 | 12.2 | 18.3              | 9.3  | 43.0 |
| Kenya                                 | 1991        | -2.9                                 | 5.5                          |                                      | 1.8                          | 68.8                                   | 79.4 | 78.3 | 10.3            | 7.2  | 7.0  | 20.9              | 13.3 | 14.7 |
| Kuwait                                | 1989        |                                      | 24.7                         |                                      | 9.0                          | 71.1                                   | 64.1 | 62.3 | 15.2            | 17.5 | 13.7 | 13.7              | 18.4 | 24.0 |
| Macau                                 | 1992        |                                      | 8.8                          |                                      | 4.8                          | 77.8                                   | 73.7 | 69.8 | 11.3            | 15.3 | 15.3 | 10.9              | 11.1 | 13.8 |
| Malaysia                              | 1991        |                                      | 11.2                         |                                      | 3.4                          |  |      | 65.6 |                 | 11.6 | 9.8  |                   |      | 22.9 |
| Mauritius                             | 1991        |                                      | 8.9                          |                                      | 0.8                          | 59.1                                   | 65.6 | 62.2 | 10.2            | 14.4 | 10.1 | 30.7              | 19.9 | 27.7 |
| Mexico                                | 1991        |                                      | 38.7                         |                                      | 8.0                          | 59.0                                   | 57.8 | 57.7 | 12.7            | 8.8  | 8.8  | 28.3              | 33.4 | 33.5 |
| Morocco                               | 1991        |                                      |                              |                                      |                              | 73.9                                   |      | 67.7 | 11.7            |      |      | 14.4              |      |      |
| Nepal                                 | 1991        |                                      | 1.9                          |                                      | 0.5                          |  |      | 64.0 |                 |      | 10.0 |                   |      | 26.0 |
| Panama                                | 1989        | 2.6                                  | 24.1                         |                                      | 4.7                          | 69.0                                   | 55.1 | 75.6 | 7.6             | 10.3 | 8.9  | 23.4              | 34.6 | 15.5 |
| Philippines                           | 1989        |                                      | 10.6                         |                                      | 2.6                          | 74.8                                   | 65.6 | 68.8 | 5.4             | 4.9  | 5.2  | 19.9              | 28.5 | 25.0 |
| Qatar                                 | 1992        |                                      | 4.7                          |                                      | 3.5                          |  |      | 75.0 |                 |      | 18.4 |                   |      | 6.6  |
| Republic of Korea                     | 1991        | 6.9                                  | 45.3                         |                                      | 7.5                          | 72.4                                   | 69.5 | 61.0 | 9.4             | 8.3  | 9.7  | 18.2              | 22.2 | 29.3 |
| Saudi Arabia                          | 1989        |                                      | 25.7                         |                                      | 8.9                          |  |      | 72.4 |                 |      | 9.6  |                   |      | 18.0 |
| Senegal                               | 1989        | 2.7                                  | 13.0                         |                                      | 1.7                          | 69.2                                   |      | 77.7 | 10.6            |      | 11.3 | 20.3              |      | 11.0 |
| Singapore                             | 1992        | -2.1                                 | 42.7                         |                                      | 7.3                          | 66.6                                   | 53.6 | 55.4 | 12.1            | 13.8 | 15.5 | 21.4              | 32.6 | 28.1 |
| Slovenia                              | 1992        |                                      | 12.6                         |                                      |                              |  |      | 76.8 |                 |      | 19.5 |                   |      | 3.5  |
| Sri Lanka                             | 1990        |                                      |                              |                                      |                              | 65.9                                   |      | 33.4 |                 | 13.7 | 10.2 | 13.7              | 20.4 | 52.9 |
| Suriname                              | 1992        |                                      |                              |                                      |                              |  |      |      |                 | 10.0 | 10.0 | 5.6               |      |      |
| Taiwan Province                       | 1992        |                                      | 39.7                         |                                      | 5.6                          | 62.7                                   | 57.6 | 59.7 | 13.8            | 15.8 | 13.3 | 23.5              | 25.6 | 27.0 |
| The former Yugoslav Rep. of Macedonia | 1992        |                                      |                              |                                      |                              |  |      | 55.0 |                 |      | 13.2 |                   |      | 31.8 |
| Thailand                              | 1991        |                                      | 9.2                          |                                      |                              |  |      | 71.9 |                 |      | 5.1  |                   |      | 22.0 |
| Tonga                                 | 1990        |                                      |                              |                                      | -0.1                         |  |      |      | 4.7             | 3.3  | 3.6  |                   |      |      |
| Turkey                                | 1991        | 8.6                                  | 25.5                         |                                      | 1.9                          | 63.9                                   | 64.9 | 56.5 | 18.5            | 8.7  | 15.4 | 17.6              | 25.4 | 28.0 |
| Uruguay                               | 1990        | 0.5                                  | 14.5                         |                                      | -1.3                         | 52.5                                   | 50.2 | 59.7 | 17.3            | 10.5 | 10.4 | 30.3              | 39.4 | 29.8 |
| Venezuela                             | 1992        |                                      | 22.4                         |                                      | 6.0                          | 53.8                                   | 59.8 | 62.2 | 16.6            | 12.1 | 10.2 | 29.6              | 28.0 | 27.6 |
| Zambia                                | 1989        | 3.4                                  | 14.1                         |                                      | 1.1                          | 56.9                                   | 65.0 | 66.1 | 10.8            | 13.1 | 13.8 | 32.3              | 21.9 | 20.1 |
| Zimbabwe                              | 1991        |                                      | 13.7                         |                                      | 0.3                          | 61.7                                   | 57.7 | 54.9 | 16.2            | 21.9 | 14.8 | 22.1              | 20.4 | 30.3 |

a. At current prices

TABLE 1.12

## SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Country or area                                 | Printing and publishing (342) |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |    |
|---|-------------------------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|------------------------------------|------|------|-------------------|------|------|----|
|   | Latest year                   | Value added                          |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |    |
|   |                               | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) |  |      |      | Costs of labour                    |      |      | Operating surplus |      |      |    |
|   |                               | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY                                 | 1980 | 1985 | LY                | 1980 | 1985 | LY |
| Industrialized countries b/                     |                               |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |    |
| Australia                                       | 1991                          | 4.5                                  | 51.8                         | 0.9                                  | 23.4                         | 44.0                                   | 44.0 | 43.6 | 31.2                               | 27.0 | 25.4 | 24.8              | 28.9 | 30.9 |    |
| Austria   | 1991                          | 9.0                                  | 51.1                         | 3.1                                  | 33.4                         | 50.8                                   | 52.8 | 59.0 | 31.4                               | 29.3 | 26.8 | 17.8              | 17.8 | 14.3 |    |
| Belgium   | 1992                          |                                      | 53.8                         | 0.3                                  | 27.6                         | 52.6                                   | 58.7 | 58.4 | 30.6                               | 24.9 | 21.4 | 16.8              | 16.3 | 20.3 |    |
| Canada  | 1992                          | -1.4                                 | 55.3                         | 0.4                                  | 29.0                         | 39.2                                   | 38.5 | 36.1 | 31.8                               | 30.1 | 33.6 | 29.0              | 31.4 | 30.4 |    |
| Denmark   | 1991                          | -4.1                                 | 29.3                         |                                      | 24.3                         | 33.1                                   | 36.0 | 35.1 | 50.2                               | 43.3 | 53.8 | 16.6              | 20.7 | 11.1 |    |
| Finland   | 1992                          | 2.2                                  | 46.5                         | 2.0                                  | 27.7                         | 43.9                                   | 41.8 | 55.6 | 23.6                               | 24.6 | 26.4 | 32.4              | 33.6 | 18.0 |    |
| France  | 1992                          | 2.3                                  | 67.9                         |                                      |                              | 54.3                                   | 58.9 | 54.9 | 33.9                               | 30.8 |      | 11.8              | 10.3 |      |    |
| Germany, western part                           | 1992                          | 1.9                                  | 64.3                         | 1.4                                  | 37.2                         | 46.0                                   | 49.8 | 48.3 | 31.3                               | 29.0 | 29.9 | 22.7              | 21.2 | 21.8 |    |
| Greece  | 1992                          | -1.6                                 | 32.3                         | -0.7                                 | 14.2                         | 45.8                                   | 56.3 | 45.2 | 30.7                               | 26.2 | 24.0 | 23.5              | 17.6 | 30.7 |    |
| Iceland   | 1991                          |                                      | 46.6                         | 4.7                                  | 32.6                         | 44.4                                   | 49.0 | 46.8 | 29.8                               | 29.4 | 37.2 | 25.8              | 21.6 | 16.0 |    |
| Ireland   | 1990                          | 4.2                                  | 51.0                         | 1.3                                  | 25.2                         | 34.7                                   | 35.1 | 36.2 | 36.4                               | 34.6 | 31.6 | 28.8              | 30.3 | 32.3 |    |
| Israel  | 1991                          | -1.3                                 | 31.7                         |                                      | 19.0                         | 48.3                                   | 49.9 | 46.3 | 31.3                               | 29.0 | 32.3 | 20.4              | 21.1 | 21.5 |    |
| Italy   | 1991                          | -0.8                                 | 76.5                         |                                      |                              | 44.5                                   | 59.3 | 62.0 | 21.5                               | 18.9 | 31.1 | 34.1              | 21.8 | 16.8 |    |
| Japan   | 1992                          | 0.2                                  | 97.7                         | 1.6                                  | 39.0                         | 44.6                                   | 47.2 | 46.5 | 21.9                               | 22.3 | 21.4 | 33.5              | 30.5 | 32.1 |    |
| Netherlands                                     | 1990                          | 3.2                                  | 52.0                         | 4.0                                  | 35.3                         | 57.6                                   | 61.4 | 60.6 | 24.0                               | 28.4 | 26.8 | 18.4              | 10.2 | 12.6 |    |
| New Zealand                                     | 1990                          |                                      | 32.1                         | -0.0                                 | 20.0                         | 51.8                                   | 55.9 | 54.9 | 33.0                               | 26.0 | 28.2 | 15.2              | 18.1 | 16.9 |    |
| Norway  | 1992                          | 2.1                                  | 46.2                         | 3.5                                  | 35.6                         | 57.5                                   | 55.8 | 55.2 | 29.0                               | 27.9 | 34.5 | 13.6              | 16.2 | 10.3 |    |
| South Africa                                    | 1992                          | -1.6                                 | 16.3                         | 0.1                                  | 11.9                         | 36.1                                   | 45.5 | 49.6 | 39.8                               | 38.2 | 36.9 | 24.1              | 16.3 | 13.5 |    |
| Spain   | 1991                          |                                      | 57.3                         | 2.2                                  | 23.4                         | 45.5                                   | 48.7 | 55.6 | 28.6                               | 20.8 | 18.1 | 27.9              | 32.5 | 26.3 |    |
| Sweden  | 1992                          | -1.8                                 | 56.0                         | -0.0                                 | 31.6                         | 32.3                                   | 34.7 | 61.9 | 30.6                               | 25.0 | 21.6 | 37.2              | 40.3 | 16.6 |    |
| Switzerland                                     | 1992                          |                                      | 61.8                         |                                      |                              |  |      | 51.1 |                                    |      |      |                   |      |      |    |
| United Kingdom                                  | 1992                          | 3.3                                  | 75.0                         | 2.1                                  | 30.0                         | 37.9                                   | 38.2 | 37.1 | 29.5                               | 28.3 | 25.1 | 32.6              | 33.5 | 37.7 |    |
| United States of America                        | 1991                          | 2.8                                  | 69.7                         | 0.5                                  | 26.0                         | 36.2                                   | 34.9 | 33.8 | 27.1                               | 25.1 | 24.7 | 36.7              | 40.0 | 41.6 |    |
| Countries of eastern Europe and the former USSR |                               |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |    |
| Bulgaria  | 1992                          |                                      |                              |                                      | 1.5                          |  |      |      | 16.1                               | 12.2 | 17.2 |                   |      |      |    |
| Czech Republic                                  | 1992                          |                                      |                              |                                      | 2.0                          |  |      |      |                                    |      | 32.7 |                   |      |      |    |
| Hungary   | 1992                          | 2.6                                  |                              | 2.9                                  | 3.8                          | 68.2                                   | 63.4 |      | 10.9                               | 11.0 | 20.6 | 20.8              | 26.6 |      |    |
| Kyrgyzstan                                      | 1992                          |                                      |                              |                                      | 1.2                          |  |      |      |                                    |      | 56.3 |                   |      |      |    |
| Latvia  | 1992                          |                                      |                              |                                      | 1.5                          |  |      |      |                                    |      | 21.3 |                   |      |      |    |
| Poland  | 1990                          | 5.5                                  | 4.1                          |                                      | 1.1                          |  |      | 48.7 |                                    |      | 14.2 |                   |      | 37.0 |    |
| Republic of Moldova                             | 1991                          |                                      |                              |                                      | 1.6                          |  |      |      |                                    |      | 17.2 |                   |      |      |    |
| Romania   | 1991                          |                                      | 2.4                          |                                      | 1.2                          |  |      | 75.4 |                                    |      | 12.3 |                   |      | 12.2 |    |
| Ukraine   | 1992                          |                                      |                              |                                      | 1.8                          |  |      |      |                                    |      | 22.2 |                   |      |      |    |
| Developing countries                            |                               |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |    |
| Argentina                                       | 1990                          | 2.1                                  | 24.9                         |                                      | 7.6                          | 48.9                                   |      | 60.7 | 16.0                               | 16.6 | 12.0 | 35.1              |      | 27.3 |    |
| Bahamas   | 1991                          |                                      | 23.3                         |                                      | 16.4                         |  |      | 48.0 |                                    |      | 36.6 |                   |      | 16.4 |    |
| Bangladesh                                      | 1990                          |                                      | 1.6                          | -1.1                                 | 0.7                          | 59.1                                   | 60.1 | 67.2 | 20.0                               | 20.7 | 19.6 | 20.9              | 19.1 | 23.2 |    |
| Belize  | 1992                          |                                      | 5.8                          |                                      | 3.8                          |  |      | 69.9 |                                    |      | 19.6 |                   |      | 10.5 |    |
| Bhutan  | 1989                          |                                      | 2.1                          |                                      | 1.3                          |  |      | 53.2 |                                    |      | 29.4 |                   |      | 17.4 |    |
| Bolivia   | 1991                          | -4.6                                 | 8.0                          |                                      | 2.2                          | 59.3                                   | 50.7 | 59.5 | 15.5                               | 10.6 | 11.4 | 25.1              | 38.7 | 79.1 |    |

<sup>a/</sup> At current prices<sup>b/</sup> Excluding countries of eastern Europe and the former USSR

TABLE 1 12  
(continued)

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Printing and publishing (342) |             |                                      |                              |      |                                      |                              |      |  |      |      |                                    |      |      |                   |      |    |
|-------------------------------|-------------|--------------------------------------|------------------------------|------|--------------------------------------|------------------------------|------|--|------|------|------------------------------------|------|------|-------------------|------|----|
| Country or area               | Latest year | Value added per employee             |                              |      | Wages per employee                   |                              |      | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |    |
|                               |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | LY   | Real annual growth rate (percentage) | Value (current 1000 dollars) | LY   | 1980                                   | 1985 | LY   | 1980                               | 1985 | LY   | 1980              | 1985 | LY |
|                               |             | (LY)                                 | 1980-LY                      | LY   | 1980-LY                              | LY                           | LY   | 1980                                   | 1985 | LY   | 1980                               | 1985 | LY   | 1980              | 1985 | LY |
| Brazil                        | 1990        |                                      | 15.2                         |      | 5.6                                  |                              | 33.8 | 35.8                                   | 41.3 | 21.7 | 19.6                               | 21.8 | 44.6 | 44.6              | 36.9 |    |
| Burundi                       | 1991        |                                      | 3.1                          |      | 2.0                                  |                              | 51.5 |  | 28.2 | 30.4 |                                    | 46.6 | 18.2 |                   | 26.2 |    |
| Chile                         | 1991        | 4.8                                  | 30.2                         | 1.9  | 7.8                                  |                              | 33.7 | 43.3                                   | 43.9 | 16.6 | 15.0                               | 14.5 | 49.7 | 41.6              | 41.6 |    |
| China                         | 1992        |                                      | 2.3                          |      |                                      |                              | 58.8 | 65.4                                   | 72.1 | 9.3  | 6.3                                |      | 31.9 | 28.3              |      |    |
| Colombia                      | 1991        | -1.6                                 | 9.4                          | 0.9  | 2.1                                  |                              | 47.8 | 51.8                                   | 54.4 | 13.3 | 12.0                               | 10.5 | 38.9 | 36.2              | 35.1 |    |
| Costa Rica                    | 1991        |                                      | 7.5                          |      | 3.8                                  |                              | 60.0 | 65.0                                   | 65.1 | 20.8 | 17.1                               | 17.8 | 19.2 | 17.9              | 17.1 |    |
| Croatia                       | 1992        |                                      | 10.9                         |      | 3.2                                  |                              |      |  | 50.5 |      |                                    | 14.5 |      |                   | 36.0 |    |
| Cuba                          | 1989        |                                      | 5.6                          |      | 2.7                                  |                              | 37.9 | 53.3                                   | 59.6 | 18.7 | 19.7                               | 19.7 | 43.4 | 27.0              | 20.7 |    |
| Cyprus                        | 1992        | 1.7                                  | 25.8                         | 4.0  | 13.4                                 |                              | 52.7 | 55.8                                   | 53.7 | 26.6 | 23.7                               | 24.2 | 20.7 | 20.5              | 22.2 |    |
| Ecuador                       | 1990        | 9.0                                  | 6.4                          |      | 2.9                                  |                              | 56.7 | 59.0                                   | 69.2 | 20.0 | 24.4                               | 13.9 | 23.3 | 16.6              | 16.9 |    |
| Egypt                         | 1989        | -8.2                                 | 8.6                          |      | 5.5                                  |                              | 70.1 | 59.1                                   | 71.6 | 21.7 | 19.8                               | 18.3 | 8.3  | 21.1              | 10.1 |    |
| El Salvador                   | 1991        |                                      | 5.9                          |      | 1.8                                  |                              | 52.4 | 49.2                                   | 40.2 | 17.9 | 13.3                               | 13.4 | 29.7 | 37.9              | 46.4 |    |
| Ethiopia                      | 1990        |                                      | 7.4                          |      | 3.9                                  |                              | 36.9 | 35.9                                   | 38.3 | 18.9 | 17.6                               | 19.2 | 44.2 | 46.5              | 42.4 |    |
| Fiji                          | 1990        |                                      | 22.0                         |      | 11.2                                 |                              | 58.6 | 61.3                                   | 65.3 | 31.4 | 28.7                               | 18.5 | 10.0 | 10.0              | 16.2 |    |
| Hong Kong                     | 1991        | 10.2                                 | 22.0                         | 4.4  | 11.2                                 |                              | 51.9 | 59.4                                   | 58.8 | 22.2 | 21.6                               | 21.1 | 25.9 | 18.9              | 20.1 |    |
| India                         | 1990        |                                      | 2.3                          |      | 1.5                                  |                              | 68.3 | 70.4                                   | 74.2 | 19.3 | 19.5                               | 17.1 | 12.4 | 10.1              | 8.7  |    |
| Indonesia                     | 1989        |                                      | 3.5                          |      | 7.2                                  |                              | 64.3 | 61.7                                   | 66.9 | 13.6 | 19.2                               | 13.0 | 22.1 | 19.2              | 20.1 |    |
| Iran (Islamic Republic of)    | 1990        |                                      |                              |      |                                      |                              | 49.3 | 37.1                                   | 38.8 | 35.5 | 36.6                               | 20.1 | 15.2 | 26.3              | 41.1 |    |
| Iraq                          | 1992        |                                      |                              |      |                                      |                              |      | 57.9                                   | 49.1 |      |                                    | 24.1 | 16.2 | 18.0              | 34.7 |    |
| Jordan                        | 1992        |                                      | 10.8                         |      | 3.7                                  |                              | 50.0 | 61.5                                   |      | 26.3 | 27.6                               | 30.4 | 23.7 | 10.9              |      |    |
| Kenya                         | 1991        | 1.5                                  | 4.6                          |      | 2.1                                  |                              | 75.0 | 71.4                                   | 62.6 | 13.0 | 14.9                               | 17.2 | 12.0 | 13.7              | 20.2 |    |
| Macau                         | 1992        |                                      | 11.0                         |      | 6.1                                  |                              | 63.0 | 52.1                                   | 49.8 | 33.7 | 37.2                               | 27.6 | 3.3  | 10.7              | 22.5 |    |
| Malaysia                      | 1991        |                                      | 12.8                         |      | 4.5                                  |                              | 48.0 | 48.0                                   | 52.6 | 22.6 | 22.6                               | 16.8 | 29.4 | 29.4              | 30.6 |    |
| Mauritius                     | 1991        |                                      | 8.5                          | 4.6  | 4.1                                  |                              | 54.0 | 57.8                                   | 51.5 | 23.2 | 24.2                               | 23.4 | 22.8 | 18.0              | 25.1 |    |
| Mexico                        | 1991        |                                      | 27.0                         |      | 6.2                                  |                              | 48.7 | 45.5                                   | 45.4 | 20.8 | 12.9                               | 12.6 | 30.5 | 41.6              | 42.0 |    |
| Morocco                       | 1991        |                                      |                              |      |                                      |                              | 67.6 |  | 68.9 | 22.9 |                                    |      | 9.4  |                   |      |    |
| Nepal                         | 1991        |                                      | 0.9                          |      | 0.3                                  |                              |      |  | 72.5 |      |                                    | 10.5 |      |                   | 17.0 |    |
| Panama                        | 1989        | 2.9                                  | 16.4                         | 1.6  | 5.9                                  |                              |      | 47.4                                   | 55.0 |      | 27.2                               |      | 16.0 | 26.4              | 28.9 |    |
| Philippines                   | 1989        |                                      | 4.3                          | 3.7  | 1.9                                  |                              | 66.2 | 64.9                                   | 63.7 | 9.8  | 12.8                               | 15.9 | 24.0 | 22.3              | 20.4 |    |
| Qatar                         | 1992        |                                      | 22.3                         |      | 7.8                                  |                              |      |  | 30.3 |      |                                    | 24.5 |      |                   | 45.2 |    |
| Republic of Korea             | 1991        | 2.0                                  | 36.1                         | 5.3  | 12.0                                 |                              | 42.6 | 45.8                                   | 40.4 | 22.8 | 18.2                               | 19.8 | 34.6 | 36.0              | 39.9 |    |
| Saudi Arabia                  | 1989        |                                      | 16.4                         |      | 8.3                                  |                              |      |  | 61.3 |      |                                    | 19.5 |      |                   | 19.3 |    |
| Senegal                       | 1989        |                                      | 10.2                         | 0.3  | 5.1                                  |                              | 60.8 |  | 69.7 | 11.9 |                                    | 15.0 | 27.3 |                   | 15.4 |    |
| Singapore                     | 1992        | 4.2                                  | 43.2                         | 6.5  | 17.4                                 |                              | 49.1 | 43.0                                   | 43.1 | 21.7 | 26.1                               | 22.9 | 29.2 | 30.9              | 34.1 |    |
| Slovenia                      | 1992        |                                      | 21.4                         |      | 14.8                                 |                              |      |  | 55.3 |      |                                    | 30.9 |      |                   | 13.8 |    |
| Sri Lanka                     | 1990        |                                      |                              |      |                                      |                              | 70.3 |  | 62.4 | 22.6 | 18.1                               | 9.0  | 7.2  |                   | 28.6 |    |
| Suriname                      | 1992        |                                      |                              |      |                                      |                              |      |  | 39.6 | 34.0 | 40.0                               | 27.5 |      |                   |      |    |
| Taiwan Province               | 1992        |                                      | 21.9                         | 6.5  | 14.5                                 |                              | 36.4 | 54.7                                   | 62.5 | 20.4 | 28.4                               | 24.9 | 43.3 | 16.9              | 12.6 |    |
| The f Yugosl Rep of Macedonia | 1992        |                                      |                              |      |                                      |                              |      |  |      |      |                                    | 19.9 |      |                   | 40.4 |    |
| Tonga                         | 1992        |                                      |                              | 0.7  | 2.8                                  |                              |      |  |      | 33.3 | 22.0                               | 43.3 |      |                   |      |    |
| Turkey                        | 1991        |                                      | 36.0                         | 4.9  | 9.1                                  |                              | 62.2 | 54.7                                   | 54.5 | 16.9 | 12.0                               | 11.5 | 20.9 | 33.3              | 33.9 |    |
| Uruguay                       | 1990        | -5.1                                 | 11.6                         | -3.5 | 3.3                                  |                              | 49.1 | 53.1                                   | 48.9 | 27.1 | 20.3                               | 14.4 | 23.8 | 26.6              | 36.7 |    |
| Venezuela                     | 1992        |                                      | 13.5                         |      | 4.6                                  |                              | 48.4 | 53.5                                   | 55.4 | 23.9 | 22.9                               | 15.2 | 27.7 | 23.5              | 29.4 |    |
| Zambia                        | 1989        |                                      | 10.9                         | -0.0 | 5.4                                  |                              | 49.5 | 57.0                                   | 57.8 | 24.5 | 20.6                               | 21.0 | 25.9 | 22.3              | 21.2 |    |
| Zimbabwe                      | 1991        |                                      | 17.5                         | -0.5 | 5.3                                  |                              | 40.9 | 33.6                                   | 33.6 | 33.8 | 31.8                               | 27.9 | 25.3 | 34.6              | 38.5 |    |

a/ At current prices

TABLE 1 12

## SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Industrial chemicals (351)                      |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |
|---|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|-------------------------|------|------|-------------------|------|------|
| Country or area                                 | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output a/ |      |      | Operating surplus |      |      |
|   |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) | 1980                                   | 1985 | LY   | 1980                    | 1985 | LY   | 1980              | 1985 | LY   |
|   |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      |  |      |      |                         |      |      |                   |      |      |
| Industrialized countries b/                     |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |
| Australia                                       | 1991        | 4.1                                  | 113.0                        | 2.0                                  | 33.8                         | 68.3                                   | 65.6 | 62.2 | 11.0                    | 11.0 | 11.3 | 20.8              | 23.4 | 26.5 |
| Austria   | 1991        |                                      | 60.7                         | 1.8                                  | 33.6                         | 74.5                                   | 76.0 | 72.7 | 14.9                    | 13.1 | 15.1 | 10.6              | 10.9 | 12.2 |
| Belgium   | 1992        |                                      | 87.7                         | 0.7                                  | 38.3                         | 73.6                                   | 71.1 | 68.3 | 13.3                    | 10.7 | 13.8 | 13.1              | 18.2 | 17.9 |
| Canada  | 1992        | 4.9                                  | 121.7                        | 0.5                                  | 39.9                         | 67.2                                   | 70.9 | 64.6 | 10.6                    | 9.4  | 11.6 | 22.2              | 19.3 | 23.8 |
| Denmark   | 1991        | 2.7                                  | 105.4                        | 0.2                                  | 34.2                         | 54.0                                   | 56.8 | 46.1 | 19.5                    | 17.2 | 17.5 | 26.5              | 26.0 | 30.4 |
| Finland   | 1992        | 3.8                                  | 85.5                         | 2.3                                  | 30.3                         | 72.1                                   | 68.4 | 59.8 | 9.4                     | 10.8 | 14.2 | 18.4              | 20.8 | 26.0 |
| France  | 1992        | 4.8                                  | 79.6                         |                                      |                              | 71.0                                   | 73.1 | 68.5 | 20.4                    | 16.1 |      | 8.6               | 10.9 |      |
| Germany, western part                           | 1992        | 1.6                                  | 114.4                        | 1.8                                  | 47.5                         | 66.9                                   | 56.2 | 50.1 | 17.5                    | 14.9 | 20.7 | 16.8              | 29.0 | 29.2 |
| Greece  | 1992        | 1.2                                  | 46.3                         | 0.5                                  | 22.6                         | 74.0                                   | 71.7 | 62.3 | 11.6                    | 11.8 | 18.2 | 14.4              | 16.5 | 19.5 |
| Iceland   | 1991        |                                      | 68.6                         | 4.4                                  | 39.8                         | 60.6                                   | 66.2 | 64.6 | 16.4                    | 15.3 | 20.6 | 23.0              | 18.6 | 14.9 |
| Ireland   | 1990        |                                      | 192.3                        | 1.9                                  | 37.7                         | 63.2                                   | 61.3 | 56.7 | 10.3                    | 7.7  | 8.5  | 26.5              | 31.0 | 34.8 |
| Israel  | 1991        |                                      | 81.0                         |                                      | 37.3                         | 62.5                                   | 64.2 | 71.9 | 16.3                    | 12.5 | 12.9 | 21.1              | 23.3 | 16.1 |
| Italy   | 1991        | 4.3                                  | 61.1                         |                                      |                              |  | 75.4 | 75.6 |                         | 10.1 | 17.9 | 14.6              | 6.5  |      |
| Japan   | 1992        | 3.7                                  | 248.2                        | 1.7                                  | 46.6                         | 73.0                                   | 66.1 | 61.7 | 6.9                     | 7.6  | 9.1  | 20.2              | 26.3 | 39.3 |
| Netherlands                                     | 1990        | 1.7                                  | 95.1                         | 3.6                                  | 45.1                         | 80.0                                   | 77.8 | 70.2 | 10.9                    | 11.1 | 14.1 | 9.1               | 11.1 | 16.7 |
| New Zealand                                     | 1990        |                                      | 59.7                         | -0.0                                 | 22.8                         | 73.6                                   | 75.9 | 68.5 | 13.5                    | 10.1 | 12.0 | 13.0              | 14.1 | 19.6 |
| Norway  | 1992        | 8.8                                  | 87.3                         | 3.8                                  | 52.8                         | 71.2                                   | 71.5 | 72.0 | 12.2                    | 10.6 | 17.0 | 16.7              | 17.9 | 11.1 |
| South Africa                                    | 1992        | -1.0                                 | 34.8                         | 1.7                                  | 14.9                         | 72.0                                   | 65.3 | 65.6 | 8.2                     | 13.0 | 14.7 | 19.8              | 21.7 | 19.6 |
| Spain   | 1991        |                                      | 86.0                         | 2.0                                  | 28.5                         | 71.1                                   | 73.6 | 69.4 | 9.6                     | 6.7  | 10.2 | 19.5              | 19.7 | 20.6 |
| Sweden  | 1992        | 1.9                                  | 80.6                         | 1.2                                  | 33.3                         | 63.5                                   | 63.2 | 71.9 | 13.0                    | 10.1 | 11.6 | 23.5              | 26.7 | 16.6 |
| United Kingdom                                  | 1992        | 5.8                                  | 105.9                        | 2.5                                  | 35.7                         | 68.4                                   | 67.5 | 59.4 | 13.3                    | 9.5  | 13.7 | 18.3              | 23.0 | 26.9 |
| United States of America                        | 1991        | 4.5                                  | 174.5                        | 0.9                                  | 39.4                         | 61.7                                   | 60.5 | 55.1 | 10.2                    | 11.2 | 10.2 | 28.1              | 28.2 | 34.8 |
| Countries of eastern Europe and the former USSR |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |
| Bulgaria  | 1992        |                                      |                              |                                      | 1.7                          |  |      |      | 7.3                     | 7.0  | 7.0  |                   |      |      |
| Czech Republic                                  | 1992        |                                      |                              |                                      | 2.2                          |  |      |      |                         |      | 14.3 |                   |      |      |
| Hungary   | 1992        |                                      |                              | 1.8                                  | 3.9                          | 74.7                                   | 78.9 |      | 4.1                     | 4.5  | 9.3  | 21.2              | 16.6 |      |
| Kyrgyzstan                                      | 1992        |                                      |                              |                                      | 1.2                          |  |      |      |                         |      | 28.3 |                   |      |      |
| Latvia  | 1992        |                                      |                              |                                      | 2.3                          |  |      |      |                         |      | 5.7  |                   |      |      |
| Poland  | 1990        | 0.8                                  | 9.8                          |                                      | 1.4                          |  |      | 58.6 |                         |      | 6.1  |                   |      | 35.2 |
| Republic of Moldova                             | 1991        |                                      |                              |                                      | 1.6                          |  |      |      |                         |      | 10.2 |                   |      |      |
| Ukraine   | 1992        |                                      |                              |                                      | 2.8                          |  |      |      |                         |      | 7.2  |                   |      |      |
| Developing countries                            |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |
| Argentina                                       | 1990        | 7.3                                  | 79.9                         |                                      | 10.2                         | 56.2                                   |      | 54.5 | 7.4                     | 7.0  | 5.8  | 36.3              |      | 39.7 |
| Bangladesh                                      | 1990        | 4.6                                  | 12.3                         | 3.2                                  | 1.5                          | 56.6                                   | 46.2 | 58.2 | 6.4                     | 5.3  | 5.2  | 37.0              | 48.5 | 36.6 |
| Barbados  | 1992        |                                      | 19.9                         | 3.7                                  | 14.1                         | 91.1                                   | 85.2 | 85.2 | 6.7                     | 12.4 | 10.7 | 2.2               | 1.4  | 4.1  |
| Bhutan  | 1989        |                                      | 12.2                         |                                      | 2.4                          |  |      | 59.6 |                         |      | 7.9  |                   |      | 32.5 |
| Bolivia   | 1991        |                                      | 12.1                         |                                      | 2.8                          | 48.6                                   | 48.3 | 46.7 | 16.9                    | 11.8 | 12.4 | 34.5              | 40.0 | 41.0 |
| Brazil  | 1990        | -0.7                                 | 54.1                         |                                      | 9.3                          | 60.4                                   | 61.3 | 56.6 | 6.3                     | 5.6  | 7.5  | 33.3              | 33.1 | 36.0 |
| Chile   | 1991        | -2.3                                 | 70.1                         | 2.5                                  | 9.6                          | 62.4                                   | 51.3 | 49.5 | 11.0                    | 7.0  | 6.9  | 26.6              | 41.7 | 43.5 |
| China   | 1992        |                                      | 3.1                          |                                      |                              | 56.8                                   | 67.1 | 70.9 | 6.1                     | 5.7  |      | 37.2              | 27.3 |      |

a/ At current prices

b/ Excluding countries of eastern Europe and the former USSR



SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Industrial chemicals (351)    |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
|-------------------------------|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|------------------------------------|------|------|-------------------|------|------|
| Country or area               | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |
|                               |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) | 1980                                   | 1985 | LY   | 1980                               | 1985 | LY   | 1980              | 1985 | LY   |
|                               |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY                                 | 1980 | 1985 | LY                | 1980 | 1985 |
| Colombia                      | 1991        | 3.3                                  | 36.7                         | 1.4                                  | 4.1                          | 65.4                                   | 63.8 | 64.3 | 6.0                                | 6.2  | 4.0  | 28.6              | 30.0 | 31.7 |
| Costa Rica                    | 1991        |                                      | 13.4                         |                                      | 3.2                          | 80.2                                   | 75.3 | 75.3 | 4.8                                | 5.9  | 5.9  | 15.0              | 18.8 | 18.7 |
| Croatia                       | 1992        |                                      | 12.7                         |                                      | 2.7                          |  |      | 74.6 |                                    |      | 5.3  |                   |      | 20.1 |
| Cyprus                        | 1992        | 12.4                                 | 36.5                         | 5.8                                  | 14.3                         | 60.0                                   | 69.0 | 69.6 | 11.3                               | 23.4 | 11.9 | 28.7              | 7.6  | 18.5 |
| Ecuador                       | 1990        | 4.9                                  | 10.1                         | 0.2                                  | 4.4                          | 74.8                                   | 70.9 | 73.3 | 12.5                               | 9.6  | 11.6 | 12.8              | 19.5 | 15.1 |
| Egypt                         | 1989        | 5.6                                  | 8.9                          |                                      | 4.1                          | 76.2                                   | 63.7 | 71.2 | 16.2                               | 22.6 | 13.3 | 7.6               | 13.7 | 15.5 |
| El Salvador                   | 1991        |                                      |                              |                                      |                              | 67.9                                   | 51.8 | 50.4 | 8.1                                | 5.9  | 9.0  | 24.1              | 42.3 | 40.6 |
| Ethiopia                      | 1990        |                                      | 5.6                          | -0.3                                 | 1.8                          | 54.8                                   | 54.5 | 32.8 | 6.3                                | 14.9 | 21.9 | 38.9              | 30.5 | 45.3 |
| Hong Kong                     | 1991        |                                      | 47.8                         | 6.5                                  | 14.5                         | 78.1                                   | 75.7 | 75.1 | 5.3                                | 9.5  | 7.6  | 16.5              | 14.8 | 17.3 |
| India                         | 1990        | 9.2                                  | 8.1                          | 3.0                                  | 2.5                          | 84.9                                   | 82.2 | 83.2 | 6.7                                | 6.3  | 6.2  | 8.4               | 11.5 | 11.6 |
| Indonesia                     | 1989        | -3.8                                 | 12.3                         | 7.4                                  | 2.8                          | 71.3                                   | 65.4 | 68.9 | 5.4                                | 8.3  | 7.0  | 23.3              | 26.4 | 24.0 |
| Iran (Islamic Republic of)    | 1990        |                                      |                              |                                      |                              | 38.3                                   | 49.6 | 53.6 | 44.3                               | 30.2 | 14.8 | 17.4              | 20.1 | 31.6 |
| Iraq                          | 1992        |                                      |                              |                                      |                              |  |      | 74.9 |                                    |      | 5.1  |                   |      | 20.0 |
| Jordan                        | 1992        |                                      | 24.4                         |                                      | 6.5                          | 63.2                                   | 82.4 | 87.1 | 10.0                               | 10.1 | 3.4  | 26.8              | 7.5  | 9.4  |
| Kenya                         | 1991        | 1.7                                  | 4.8                          |                                      | 2.1                          | 77.0                                   | 85.6 | 97.5 | 9.7                                | 7.0  | 5.4  | 13.3              | 7.4  | 7.1  |
| Malaysia                      | 1991        |                                      | 93.5                         |                                      | 7.3                          |  | 55.5 | 53.1 |                                    |      | 3.7  |                   | 41.3 | 43.2 |
| Mauritius                     | 1991        |                                      | 24.7                         | 2.2                                  | 4.3                          | 73.9                                   | 78.8 | 61.1 | 8.4                                | 5.8  | 6.8  | 17.7              | 15.3 | 32.1 |
| Mexico                        | 1991        |                                      | 45.7                         |                                      | 9.3                          | 58.4                                   | 60.4 | 60.4 | 15.4                               | 6.5  | 8.0  | 26.2              | 33.2 | 31.6 |
| Panama                        | 1989        | 3.6                                  | 38.3                         | 1.7                                  | 6.5                          | 78.0                                   | 70.5 | 70.9 | 4.8                                | 7.5  | 4.9  | 17.2              | 22.0 | 24.2 |
| Philippines                   | 1989        |                                      | 18.6                         | 3.9                                  | 3.3                          | 62.4                                   | 74.4 | 72.5 | 3.6                                | 4.1  | 4.9  | 33.9              | 21.5 | 22.6 |
| Qatar                         | 1992        |                                      | 139.4                        |                                      | 29.0                         |  |      | 43.6 |                                    |      | 11.7 |                   |      | 44.7 |
| Republic of Korea             | 1991        |                                      | 77.8                         | 6.5                                  | 14.6                         | 75.1                                   | 73.5 | 62.7 | 4.7                                | 4.0  | 7.0  | 20.3              | 22.4 | 30.3 |
| Saudi Arabia                  | 1989        |                                      | 220.7                        |                                      | 24.1                         |  |      | 41.8 |                                    |      | 6.4  |                   |      | 51.8 |
| Senegal                       | 1989        |                                      | 8.0                          | 5.4                                  | 6.9                          |  |      | 90.8 |                                    |      | 7.9  |                   |      | 1.3  |
| Singapore                     | 1992        | 6.3                                  | 105.6                        | 8.3                                  | 28.7                         | 68.8                                   | 79.8 | 68.4 | 8.2                                | 6.2  | 8.6  | 23.0              | 14.0 | 23.0 |
| Slovenia                      | 1992        |                                      | 23.5                         |                                      | 14.4                         |  |      | 64.1 |                                    |      | 22.0 |                   |      | 13.9 |
| Sri Lanka                     | 1990        |                                      |                              |                                      |                              | 37.9                                   |      | 50.2 | 11.8                               | 7.3  | 4.3  | 50.3              |      | 45.5 |
| Taiwan Province               | 1992        | 8.1                                  | 68.2                         | 7.5                                  | 18.3                         | 81.2                                   | 76.2 | 71.2 | 4.5                                | 5.9  | 7.8  | 14.3              | 17.9 | 21.1 |
| The f Yugosl Rep of Macedonia | 1992        |                                      |                              |                                      |                              |  |      | 60.5 |                                    |      | 8.1  |                   |      | 31.4 |
| Thailand                      | 1991        |                                      | 53.3                         |                                      | 8.1                          |  |      | 58.2 |                                    |      | 6.3  |                   |      | 35.5 |
| Turkey                        | 1991        | 9.0                                  | 45.6                         | 3.7                                  | 13.0                         | 58.1                                   | 75.1 | 62.5 | 8.9                                | 5.9  | 10.7 | 32.9              | 19.0 | 26.9 |
| Uruguay                       | 1990        |                                      | 39.7                         | 1.4                                  | 5.9                          | 70.5                                   | 63.7 | 63.4 | 10.0                               | 8.1  | 5.5  | 19.5              | 28.2 | 31.2 |
| Venezuela                     | 1992        |                                      | 49.0                         |                                      | 10.3                         | 53.5                                   | 55.9 | 53.1 | 18.8                               | 10.0 | 9.9  | 27.7              | 34.0 | 37.0 |
| Zambia                        | 1989        |                                      | 21.3                         | 3.6                                  | 8.9                          | 48.1                                   | 64.6 | 66.3 | 19.1                               | 13.1 | 14.1 | 32.8              | 22.3 | 19.8 |

TABLE 1 12

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Country or area                                 | Latest year<br>(LY) | Value added per employee             |       | Wages per employee                   |      | Costs of input materials and utilities |      | Percentage in output a/ |      |      |      | Operating surplus |      |      |
|---|---------------------|--------------------------------------|-------|--------------------------------------|------|--|------|-------------------------|------|------|------|-------------------|------|------|
|   |                     | Real annual growth rate (percentage) |       | Real annual growth rate (percentage) |      | 1980 LY                                |      | 1985                    |      | 1980 |      |                   | 1985 |      |
|   |                     | 1980 LY                              | LY    | 1980 LY                              | LY   | 1980                                   | 1985 | 1980                    | 1985 | 1980 | 1985 |                   | 1980 | 1985 |
| Other chemicals (352)                           |                     |                                      |       |                                      |      |  |      |                         |      |      |      |                   |      |      |
| Industrialized countries b/                     |                     |                                      |       |                                      |      |  |      |                         |      |      |      |                   |      |      |
| Australia                                       | 1991                | 3.5                                  | 82.7  | 1.1                                  | 24.9 | 55.1                                   | 54.5 | 18.9                    | 17.9 | 13.8 | 26.0 | 27.6              | 32.1 |      |
| Austria   | 1991                |                                      | 64.6  | 2.6                                  | 31.6 | 69.4                                   | 72.6 | 15.4                    | 15.7 | 16.1 | 14.2 | 11.7              | 16.8 |      |
| Belgium   | 1992                |                                      | 71.5  | 0.8                                  | 38.3 | 60.8                                   | 66.2 | 24.3                    | 15.2 | 19.2 | 14.9 | 18.6              | 16.6 |      |
| Canada  | 1992                | 0.0                                  | 92.5  | 0.4                                  | 30.0 | 52.4                                   | 49.9 | 16.5                    | 16.5 | 17.3 | 31.1 | 33.6              | 36.2 |      |
| Denmark   | 1991                | 0.7                                  | 89.1  | 0.6                                  | 34.9 | 61.0                                   | 46.8 | 16.0                    | 19.4 | 22.8 | 23.1 | 33.8              | 35.3 |      |
| Finland   | 1992                | 2.5                                  | 66.6  | 2.1                                  | 27.0 | 53.7                                   | 45.1 | 17.1                    | 18.9 | 18.3 | 29.2 | 35.0              | 26.8 |      |
| France  | 1992                | 3.7                                  | 79.8  |                                      |      | 63.6                                   | 66.4 | 25.7                    | 23.4 | 10.6 | 10.6 | 10.2              |      |      |
| Germany, western part                           | 1992                | 2.0                                  | 118.0 | 1.8                                  | 41.6 | 71.0                                   | 52.4 | 19.4                    | 18.2 | 17.2 | 9.6  | 32.7              | 35.3 |      |
| Greece  | 1992                | 2.8                                  | 48.8  | 1.8                                  | 15.9 | 63.3                                   | 67.8 | 12.4                    | 13.8 | 13.0 | 24.3 | 18.3              | 27.0 |      |
| Iceland   | 1991                |                                      | 41.3  | 1.1                                  | 21.9 | 64.2                                   | 64.9 | 10.8                    | 12.4 | 18.5 | 25.0 | 22.8              | 16.5 |      |
| Ireland   | 1990                |                                      | 178.1 | 1.8                                  | 25.4 | 36.0                                   | 33.8 | 13.1                    | 9.6  | 10.5 | 50.9 | 56.7              | 63.4 |      |
| Israel  | 1991                |                                      | 49.4  |                                      | 28.0 | 48.0                                   | 54.6 | 22.6                    | 23.2 | 27.1 | 29.4 | 22.2              | 20.8 |      |
| Italy   | 1991                |                                      | 78.9  |                                      | 42.1 | 47.8                                   | 75.0 | 10.0                    | 9.6  | 17.8 | 42.2 | 16.4              | 12.8 |      |
| Japan   | 1992                | 3.3                                  | 245.8 | 1.8                                  | 37.8 | 66.1                                   | 66.1 | 20.8                    | 21.0 | 19.2 | 13.1 | 43.7              | 48.7 |      |
| Netherlands                                     | 1990                | 2.4                                  | 57.7  | 3.5                                  | 37.8 | 66.1                                   | 70.7 | 15.9                    | 12.4 | 14.3 | 12.9 | 12.0              | 10.1 |      |
| New Zealand                                     | 1990                |                                      | 36.9  | 0.1                                  | 19.9 | 71.2                                   | 75.6 | 19.7                    | 17.1 | 20.2 | 15.8 | 15.7              | 17.6 |      |
| Norway  | 1992                | 6.4                                  | 65.8  | 3.9                                  | 45.9 | 64.4                                   | 67.2 | 8.7                     | 14.7 | 21.9 | 6.4  | 27.0              | 9.3  |      |
| South Africa                                    | 1992                | -0.4                                 | 21.6  | 1.9                                  | 15.2 | 84.9                                   | 58.3 | 15.7                    | 13.8 | 14.7 | 22.3 | 24.2              | 23.1 |      |
| Spain   | 1991                |                                      | 70.5  | 2.3                                  | 27.4 | 62.0                                   | 62.0 | 20.0                    | 17.7 | 13.3 | 38.2 | 41.4              | 33.8 |      |
| Sweden  | 1992                | 5.8                                  | 121.5 | 1.3                                  | 34.4 | 41.8                                   | 41.0 | 15.9                    | 15.1 | 16.3 | 34.0 | 36.2              | 39.2 |      |
| United Kingdom                                  | 1992                | 4.9                                  | 105.2 | 3.5                                  | 30.9 | 50.1                                   | 48.8 | 13.5                    | 13.2 | 11.4 | 42.4 | 46.5              | 50.0 |      |
| United States of America                        | 1991                | 3.3                                  | 182.3 | 1.0                                  | 33.8 | 43.7                                   | 40.3 | 6.3                     | 5.9  | 10.3 | 24.2 | 32.8              | 46.1 |      |
| Countries of eastern Europe and the former USSR |                     |                                      |       |                                      |      |  |      |                         |      |      |      |                   |      |      |
| Bulgaria  | 1992                |                                      |       |                                      | 1.9  |  |      |                         |      |      |      |                   |      |      |
| Czech Republic                                  | 1992                |                                      |       |                                      | 2.0  |  |      |                         |      |      |      |                   |      |      |
| Hungary   | 1992                | -0.3                                 |       | 3.6                                  | 4.6  | 70.6                                   | 61.6 | 5.2                     | 5.6  | 10.1 |      |                   |      |      |
| Kyrgyzstan                                      | 1992                |                                      |       |                                      | 2.1  |  |      |                         |      |      |      |                   |      |      |
| Latvia  | 1992                |                                      |       |                                      | 2.2  |  |      |                         |      |      |      |                   |      |      |
| Lithuania                                       | 1992                |                                      |       |                                      | 1.4  |  |      |                         |      |      |      |                   |      |      |
| Poland  | 1990                | 1.0                                  | 11.8  |                                      | 1.9  |  |      |                         |      |      |      |                   |      |      |
| Republic of Moldova                             | 1991                |                                      | 10.3  |                                      | 2.3  |  |      |                         |      |      |      |                   |      |      |
| Romania   | 1989                |                                      |       |                                      |      |  |      |                         |      |      |      |                   |      |      |
| Ukraine   | 1992                |                                      |       |                                      |      |  |      |                         |      |      |      |                   |      |      |
| Developing countries                            |                     |                                      |       |                                      |      |  |      |                         |      |      |      |                   |      |      |
| Argentina                                       | 1990                | 1.5                                  | 45.6  |                                      | 11.3 | 51.7                                   | 60.4 | 14.9                    | 11.2 | 9.6  | 33.4 | 32.9              | 30.0 |      |
| Bangladesh                                      | 1990                | -2.0                                 | 4.5   | 1.4                                  | 1.1  | 53.5                                   | 50.3 | 8.8                     | 10.6 | 11.5 | 37.7 | 6.5               | 38.2 |      |
| Barbados  | 1992                |                                      | 21.3  | 6.5                                  | 20.8 | 78.0                                   | 78.2 | 12.2                    | 15.3 | 20.7 | 9.8  | 0.5               | 0.5  |      |
| Bhutan  | 1989                |                                      | 2.1   |                                      | 0.8  |  |      |                         |      |      |      |                   |      |      |
| Bolivia   | 1991                |                                      | 10.4  |                                      | 3.1  | 63.9                                   | 68.1 | 14.5                    | 7.9  | 11.7 | 21.6 | 26.0              | 28.0 |      |
| Brazil  | 1990                |                                      | 45.2  |                                      | 9.3  | 46.1                                   | 46.0 | 10.1                    | 9.3  | 12.5 | 43.8 | 44.7              | 48.2 |      |
| Burundi   | 1991                |                                      | 3.9   |                                      | 3.0  | 66.1                                   | 88.6 | 11.8                    |      | 8.8  | 22.1 |                   | 2.6  |      |

a/ At current prices

b/ Excluding countries of eastern Europe and the former USSR

TABLE 1 12  
continued

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Country or area               | Latest year | Other chemicals (352)                |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |  |
|-------------------------------|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|------------------------------------|------|------|-------------------|------|------|--|
|                               |             | Value added per employee             |                              | wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |  |
|                               |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) |  |      |      |                                    |      |      |                   |      |      |  |
|                               |             | 1980-1Y                              | LY                           | 1980-1Y                              | LY                           | 1980                                   | 1985 | LY   | 1980                               | 1985 | LY   | 1980              | 1985 | LY   |  |
| Chile                         | 1991        | -0.7                                 | 44.5                         | 1.8                                  | 9.0                          | 38.9                                   | 43.0 | 43.3 | 13.6                               | 12.9 | 11.4 | 47.5              | 44.1 | 46.2 |  |
| China                         | 1992        |                                      | 3.4                          |                                      |                              | 60.5                                   | 73.0 | 77.7 | 4.5                                | 3.8  |      | 34.9              | 23.2 |      |  |
| Colombia                      | 1991        | 4.3                                  | 25.0                         | 2.8                                  | 3.4                          | 54.9                                   | 57.7 | 53.8 | 8.8                                | 7.7  | 6.3  | 36.3              | 34.6 | 39.9 |  |
| Costa Rica                    | 1991        |                                      | 10.9                         |                                      |                              |  |      |      |                                    |      |      |                   |      |      |  |
| Croatia                       | 1992        |                                      | 24.7                         |                                      |                              |  |      |      | 11.7                               | 11.1 | 9.1  | 20.5              | 20.1 | 21.1 |  |
| Cyprus                        | 1992        | 2.1                                  | 26.9                         | 4.4                                  | 11.6                         | 65.0                                   | 71.5 | 70.6 | 45.4                               |      | 7.0  |                   |      | 47.6 |  |
| Ecuador                       | 1990        | 1.7                                  | 11.7                         | -1.1                                 | 4.0                          | 60.4                                   | 65.6 | 68.2 | 11.9                               | 12.9 | 12.6 | 23.1              | 15.6 | 16.7 |  |
| Egypt                         | 1989        | 2.6                                  | 10.6                         |                                      |                              | 79.5                                   | 73.4 | 77.7 | 15.4                               | 17.9 | 10.8 | 24.2              | 16.5 | 21.0 |  |
| El Salvador                   | 1991        |                                      |                              |                                      |                              | 47.0                                   | 42.3 | 47.1 | 12.4                               | 12.5 | 9.4  | 8.1               | 14.1 | 12.9 |  |
| Ethiopia                      | 1990        |                                      | 8.0                          | 1.0                                  | 2.0                          | 57.2                                   | 53.3 | 5.5  | 12.9                               | 9.0  | 9.3  | 40.1              | 48.6 | 48.6 |  |
| Fiji                          | 1990        | -3.2                                 | 14.8                         | -1.5                                 | 4.9                          | 74.1                                   | 76.5 | 74.8 | 6.5                                | 6.3  | 8.9  | 36.3              | 43.4 | 26.7 |  |
| Hong Kong                     | 1991        |                                      | 27.9                         | 5.1                                  | 11.4                         | 60.8                                   | 66.8 | 62.0 | 10.6                               | 10.0 | 2.3  | 15.3              | 13.5 | 16.9 |  |
| India                         | 1990        | 8.0                                  | 5.0                          | 2.3                                  | 1.6                          | 79.4                                   | 81.5 | 79.5 | 12.4                               | 14.5 | 15.5 | 26.9              | 18.7 | 22.6 |  |
| Indonesia                     | 1989        | -1.7                                 | 5.0                          | 4.8                                  | 1.5                          | 59.0                                   | 67.1 | 71.4 | 7.3                                | 7.4  | 6.7  | 13.3              | 11.1 | 13.8 |  |
| Iran (Islamic Republic of)    | 1990        |                                      |                              |                                      |                              | 59.0                                   | 67.1 | 71.4 | 9.2                                | 10.5 | 8.7  | 31.7              | 22.4 | 19.9 |  |
| Iraq                          | 1992        |                                      |                              |                                      |                              | 59.3                                   | 52.2 | 51.0 | 21.4                               | 18.5 | 12.7 | 19.2              | 29.2 | 36.3 |  |
| Jordan                        | 1992        |                                      | 17.3                         |                                      | 3.9                          |  |      |      | 46.1                               |      | 30.7 |                   |      | 23.2 |  |
| Kenya                         | 1991        |                                      | 7.3                          |                                      | 4.3                          | 61.1                                   |      | 42.9 | 9.9                                |      | 12.8 | 28.9              |      | 44.3 |  |
| Kuwait                        | 1989        | 4.2                                  | 16.2                         | 10.4                                 | 5.5                          | 78.0                                   | 79.5 | 91.9 | 9.7                                | 12.1 | 4.8  | 12.3              | 8.4  | 3.3  |  |
| Macau                         | 1992        |                                      | 16.5                         | 6.6                                  | 5.8                          | 58.5                                   | 65.0 | 66.1 | 12.2                               | 13.9 | 21.9 | 29.3              | 21.2 | 12.0 |  |
| Malaysia                      | 1991        |                                      | 23.2                         | 5.0                                  | 5.0                          | 58.5                                   | 53.0 | 65.2 | 20.5                               | 27.4 | 13.9 | 11.1              | 19.6 | 20.9 |  |
| Mauritius                     | 1991        |                                      | 9.9                          | 3.4                                  | 3.4                          |  |      |      |                                    |      |      |                   |      |      |  |
| Mexico                        | 1991        |                                      | 43.4                         | 11.5                                 | 11.5                         | 73.9                                   | 78.4 | 73.6 | 59.5                               | 62.3 | 8.1  | 29.5              | 29.6 | 29.6 |  |
| Nepal                         | 1991        |                                      | 3.1                          | 0.5                                  | 0.5                          | 55.0                                   | 55.4 | 55.4 | 8.5                                | 7.5  | 9.0  | 17.6              | 14.1 | 17.4 |  |
| Panama                        | 1989        | 0.7                                  | 22.8                         | 2.7                                  | 7.2                          | 43.0                                   | 55.4 | 57.9 | 14.9                               | 10.6 | 11.8 | 30.2              | 34.1 | 32.8 |  |
| Philippines                   | 1989        |                                      | 20.2                         | 8.1                                  | 4.5                          | 72.8                                   | 75.0 | 63.1 | 6.1                                |      | 6.1  |                   |      | 31.6 |  |
| Republic of Korea             | 1991        |                                      | 71.4                         | 6.4                                  | 12.1                         | 43.0                                   | 55.4 | 57.9 | 13.3                               | 11.3 | 13.2 | 43.7              | 33.3 | 28.9 |  |
| Saudi Arabia                  | 1989        |                                      | 36.3                         | 14.3                                 | 14.3                         | 72.8                                   | 75.0 | 63.1 | 5.3                                | 8.0  | 8.2  | 22.0              | 17.0 | 28.6 |  |
| Senegal                       | 1989        |                                      | 12.1                         | 1.7                                  | 5.0                          | 50.7                                   | 52.3 | 47.3 | 9.9                                | 9.1  | 8.9  | 39.4              | 38.5 | 43.8 |  |
| Singapore                     | 1992        | 7.1                                  | 166.0                        | 6.5                                  | 21.5                         |  |      |      |                                    |      |      |                   |      | 19.9 |  |
| Slovenia                      | 1992        |                                      | 26.5                         |                                      | 15.4                         | 48.0                                   | 45.0 | 35.0 | 9.2                                | 10.0 | 8.4  | 42.8              | 44.9 | 55.6 |  |
| Sri Lanka                     | 1990        |                                      |                              |                                      |                              | 69.9                                   |      | 51.5 |                                    |      |      |                   |      | 17.7 |  |
| Suriname                      | 1992        |                                      |                              |                                      |                              |  |      |      | 8.8                                | 6.4  | 7.9  | 21.3              |      | 40.5 |  |
| Taiwan Province               | 1992        | 7.3                                  | 29.0                         | 7.0                                  | 13.2                         |  |      |      | 20.7                               | 25.3 | 12.6 |                   |      |      |  |
| The f Yugosl Rep of Macedonia | 1992        |                                      |                              |                                      |                              | 71.6                                   | 70.8 | 66.3 | 14.1                               | 14.7 | 15.3 | 14.3              | 14.5 | 18.3 |  |
| Thailand                      | 1991        |                                      | 24.2                         |                                      | 4.1                          |  |      |      |                                    |      |      |                   |      | 34.9 |  |
| Tonga                         | 1992        |                                      |                              | 4.4                                  | 3.6                          |  |      |      |                                    |      |      |                   |      | 28.4 |  |
| Turkey                        | 1991        | 4.5                                  | 62.1                         | 6.6                                  | 13.6                         |  |      |      |                                    | 3.7  | 1.7  |                   |      |      |  |
| Uruguay                       | 1990        |                                      | 24.2                         | 0.1                                  | 6.2                          | 69.1                                   | 61.5 | 54.0 | 8.6                                | 7.4  | 10.1 | 22.4              | 31.1 | 35.9 |  |
| Venezuela                     | 1992        |                                      | 31.0                         | 7.3                                  | 7.3                          | 56.2                                   | 50.4 | 53.5 | 14.8                               | 12.6 | 12.0 | 29.0              | 37.0 | 34.5 |  |
| Zambia                        | 1989        |                                      | 25.3                         | 5.8                                  | 8.2                          | 45.4                                   | 48.3 | 46.8 | 20.5                               | 16.4 | 12.6 | 34.1              | 35.2 | 40.7 |  |
| Zimbabwe                      | 1991        |                                      | 21.1                         | -0.7                                 | 5.0                          | 68.7                                   | 64.3 | 65.2 | 9.3                                | 10.3 | 11.3 | 21.9              | 25.4 | 23.5 |  |
|                               |             |                                      |                              |                                      |                              | 50.5                                   | 50.5 | 47.0 | 15.7                               | 15.5 | 12.6 | 33.8              | 34.0 | 40.6 |  |

a. At current prices

TABLE 1.12

## SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Country or area                                 | Rubber products (355) |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
|---|-----------------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|------------------------------------|------|------|-------------------|------|------|
|   | Latest year           | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |
|   |                       | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) |  |      |      | Costs of labour                    |      |      |                   |      |      |
|   |                       | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | 1980                                   | 1985 | LY   | 1980                               | 1985 | LY   | 1980              | 1985 | LY   |
| Industrialized countries <sup>b</sup>           |                       |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Australia                                       | 1991                  | 2.6                                  | 69.2                         | 2.4                                  | 28.2                         | 56.4                                   | 54.6 | 44.2 | 25.2                               | 23.8 | 22.7 | 18.4              | 21.6 | 33.1 |
| Austria   | 1991                  | 4.6                                  | 54.6                         | 3.6                                  | 33.2                         | 62.3                                   | 68.6 | 64.9 | 22.5                               | 18.4 | 21.3 | 15.2              | 13.0 | 13.7 |
| Belgium   | 1992                  | 4.9                                  | 70.2                         | 1.0                                  | 28.9                         | 59.4                                   | 64.3 | 63.8 | 26.2                               | 18.3 | 14.9 | 14.5              | 17.4 | 21.3 |
| Canada  | 1992                  | 4.1                                  | 73.0                         | 0.6                                  | 30.0                         | 56.0                                   | 58.2 | 56.9 | 27.3                               | 20.0 | 17.7 | 21.7              | 21.8 | 25.4 |
| Denmark   | 1991                  | 2.8                                  | 39.1                         | -0.3                                 | 27.7                         | 44.7                                   | 46.8 | 40.6 | 38.6                               | 33.1 | 42.1 | 16.7              | 20.1 | 17.3 |
| Finland   | 1992                  | 5.0                                  | 47.8                         | 2.5                                  | 23.7                         | 45.8                                   | 45.3 | 50.8 | 26.2                               | 28.9 | 24.4 | 27.9              | 25.8 | 24.8 |
| France  | 1992                  | 1.5                                  | 44.4                         |                                      |                              | 53.1                                   | 53.3 | 48.2 | 36.8                               | 36.7 |      | 10.1              | 10.0 |      |
| Germany, western part                           | 1992                  | 0.6                                  | 72.0                         | 1.6                                  | 35.3                         | 54.9                                   | 47.4 | 47.1 | 26.4                               | 24.1 | 25.9 | 18.8              | 28.5 | 26.9 |
| Greece  | 1992                  | 4.5                                  | 50.4                         | 0.7                                  | 15.5                         | 58.0                                   | 62.4 | 56.8 | 16.9                               | 16.7 | 13.3 | 25.1              | 21.0 | 30.0 |
| Ireland   | 1990                  | 3.6                                  | 48.6                         | 1.1                                  | 23.3                         | 60.3                                   | 54.6 | 50.4 | 27.3                               | 22.6 | 23.8 | 12.3              | 22.8 | 25.8 |
| Israel  | 1991                  |                                      | 37.4                         |                                      | 19.6                         | 59.0                                   | 61.6 | 52.8 | 20.8                               | 27.3 | 24.8 | 20.2              | 11.1 | 22.4 |
| Italy   | 1991                  | 4.4                                  | 51.1                         |                                      |                              | 52.4                                   | 64.0 | 58.1 | 20.2                               | 17.1 | 30.0 | 27.4              | 18.9 | 11.9 |
| Japan   | 1992                  | 0.6                                  | 91.2                         | 1.7                                  | 34.9                         | 58.5                                   | 56.4 | 49.3 | 16.1                               | 17.7 | 19.4 | 25.4              | 25.9 | 31.3 |
| Netherlands                                     | 1990                  | 9.0                                  | 49.3                         | 3.0                                  | 32.6                         | 63.5                                   | 60.4 | 67.5 | 28.6                               | 29.3 | 28.1 | 7.9               | 10.3 | 14.4 |
| New Zealand                                     | 1990                  |                                      | 31.6                         | -0.9                                 | 21.3                         | 58.5                                   | 58.2 | 69.9 | 27.7                               | 24.6 | 20.3 | 13.8              | 17.2 | 9.9  |
| Norway  | 1992                  | 6.3                                  | 50.8                         | 2.5                                  | 37.7                         | 55.4                                   | 55.8 | 58.5 | 28.0                               | 25.4 | 30.8 | 16.6              | 18.8 | 10.8 |
| South Africa                                    | 1992                  | 4.1                                  | 21.3                         | 0.8                                  | 11.2                         | 60.5                                   | 65.8 | 63.0 | 19.1                               | 21.2 | 19.5 | 20.3              | 13.0 | 17.6 |
| Spain   | 1991                  |                                      | 47.3                         | 1.9                                  | 23.2                         | 50.0                                   | 53.3 | 48.7 | 21.1                               | 20.6 | 25.1 | 28.9              | 26.1 | 26.2 |
| Sweden  | 1992                  | 2.0                                  | 43.2                         | 0.6                                  | 26.4                         | 44.6                                   | 50.5 | 68.7 | 25.8                               | 21.2 | 19.1 | 29.6              | 28.2 | 12.2 |
| United Kingdom                                  | 1992                  | 3.9                                  | 55.1                         | 2.4                                  | 26.8                         | 53.5                                   | 50.0 | 47.0 | 24.3                               | 24.2 | 25.7 | 22.2              | 25.8 | 27.3 |
| United States of America                        | 1991                  | 4.8                                  | 68.5                         | 0.3                                  | 27.0                         | 51.6                                   | 49.4 | 46.7 | 23.6                               | 21.7 | 21.0 | 24.8              | 28.8 | 32.3 |
| Countries of eastern Europe and the former USSR |                       |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Bulgaria  | 1992                  |                                      |                              |                                      |                              |  |      |      | 6.4                                | 6.8  | 12.7 |                   |      |      |
| Czech Republic                                  | 1992                  |                                      |                              |                                      |                              |  |      |      |                                    |      | 23.9 |                   |      |      |
| Hungary   | 1992                  |                                      |                              | 2.2                                  | 3.8                          | 77.0                                   | 67.0 |      | 7.2                                | 8.4  |      | 15.8              | 24.5 |      |
| Kyrgyzstan                                      | 1992                  |                                      |                              |                                      |                              |  |      |      |                                    |      | 12.7 |                   |      |      |
| Latvia  | 1992                  |                                      |                              |                                      |                              |  |      |      |                                    |      | 8.3  |                   |      |      |
| Poland  | 1990                  |                                      |                              |                                      |                              |  |      |      |                                    |      | 9.9  |                   |      |      |
| Ukraine   | 1992                  |                                      |                              |                                      |                              |  |      |      |                                    |      | 7.4  |                   |      | 44.9 |
| Developing countries                            |                       |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Argentina                                       | 1990                  |                                      | 27.4                         |                                      | 8.2                          | 46.6                                   | 35.3 | 65.4 | 17.5                               | 17.2 | 10.4 | 30.9              | 47.6 | 24.3 |
| Bangladesh                                      | 1990                  |                                      | 1.7                          |                                      | 0.4                          | 67.3                                   | 70.1 | 69.0 | 13.9                               | 11.8 | 7.9  | 18.9              | 18.1 | 23.1 |
| Bhutan  | 1989                  |                                      | 2.3                          |                                      | 0.7                          |  |      | 50.7 |                                    |      | 15.1 |                   |      | 34.1 |
| Brazil  | 1990                  |                                      | 33.1                         |                                      | 7.8                          | 65.1                                   | 50.5 | 51.1 | 9.4                                | 9.4  | 11.4 | 25.5              | 40.1 | 37.4 |
| Chile   | 1991                  |                                      | 25.5                         |                                      | 6.6                          | 50.7                                   | 55.8 | 51.9 | 13.3                               | 8.8  | 12.4 | 36.0              | 35.4 | 35.7 |
| China   | 1992                  |                                      | 4.5                          |                                      |                              | 52.0                                   | 64.1 | 70.8 | 3.4                                | 3.3  |      | 44.7              | 32.6 |      |
| Colombia  | 1991                  |                                      | 24.1                         |                                      | 3.2                          | 59.4                                   | 52.8 | 52.9 | 9.3                                | 8.2  | 7.2  | 31.4              | 39.0 | 39.9 |
| Costa Rica                                      | 1991                  |                                      | 5.9                          |                                      | 2.8                          | 66.8                                   | 64.8 | 66.1 | 14.6                               | 15.1 | 16.3 | 18.6              | 20.1 | 17.6 |
| Croatia   | 1992                  |                                      | 16.3                         |                                      | 2.5                          |  |      | 48.8 |                                    |      | 8.0  |                   |      | 43.2 |
| Cyprus  | 1992                  |                                      | 21.6                         |                                      | 4.1                          | 67.0                                   | 66.7 | 61.2 | 13.5                               | 15.2 | 19.4 | 19.5              | 18.0 | 19.4 |

<sup>a/</sup> At current prices<sup>b/</sup> Excluding countries of eastern Europe and the former USSR

TABLE 1.12  
continued.

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Rubber products (355)            |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
|----------------------------------|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|------------------------------------|------|------|-------------------|------|------|
| Country or area                  | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |
|                                  |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) |  |      |      | Costs of labour                    |      |      |                   |      |      |
|                                  |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY                                 | 1980 | 1985 | LY                | 1980 | 1985 |
| Ecuador                          | 1990        | 4.5                                  | 10.6                         | 0.4                                  | 5.9                          | 54.5                                   | 67.4 | 67.2 | 19.2                               | 13.1 | 18.4 | 26.3              | 19.5 | 14.6 |
| Egypt                            | 1989        | 5.5                                  | 5.7                          |                                      | 4.1                          | 75.7                                   | 63.3 | 79.1 | 15.3                               | 16.9 | 14.9 | 9.1               | 19.8 | 6.1  |
| Ethiopia                         | 1990        |                                      | 9.3                          | -0.8                                 | 2.5                          | 64.9                                   | 52.5 | 58.2 | 10.8                               | 10.2 | 11.2 | 24.3              | 37.4 | 30.6 |
| Fiji                             | 1990        | -0.8                                 | 7.1                          | -0.8                                 | 3.4                          | 75.5                                   | 74.4 | 78.9 | 15.8                               | 14.8 | 10.1 | 8.7               | 10.7 | 11.0 |
| Hong Kong                        | 1991        |                                      | 13.8                         | 3.2                                  | 8.3                          | 63.7                                   | 68.2 | 58.7 | 22.6                               | 21.4 | 24.8 | 13.7              | 10.5 | 16.4 |
| India                            | 1990        | 2.1                                  | 5.0                          | 0.3                                  | 1.5                          | 83.3                                   | 79.0 | 81.4 | 8.9                                | 6.6  | 5.7  | 7.8               | 14.5 | 12.9 |
| Indonesia                        | 1989        | -7.9                                 | 3.5                          | 3.1                                  | 0.9                          | 81.0                                   | 72.4 | 71.9 | 3.8                                | 7.1  | 7.1  | 16.2              | 20.4 | 21.0 |
| Iran (Islamic Republic of)       | 1990        |                                      |                              |                                      |                              | 50.8                                   | 45.2 | 48.8 | 35.0                               | 37.5 | 20.8 | 14.1              | 17.3 | 30.4 |
| Iraq                             | 1992        |                                      |                              |                                      |                              |  | 55.9 | 60.9 |                                    | 13.5 | 21.6 |                   | 30.5 | 17.5 |
| Jordan                           | 1992        |                                      | 4.8                          |                                      | 3.1                          | 41.5                                   | 30.0 | 47.8 | 28.6                               | 20.0 | 34.3 | 30.0              | 60.0 | 17.9 |
| Kenya                            | 1991        | 3.0                                  | 13.9                         |                                      | 4.2                          | 72.0                                   | 65.6 | 75.8 | 9.2                                | 11.7 | 7.4  | 18.8              | 22.7 | 16.8 |
| Kuwait                           | 1989        |                                      | 21.7                         |                                      | 5.8                          | 43.5                                   | 60.4 | 62.5 | 10.7                               | 9.4  | 10.0 | 45.8              | 30.2 | 27.5 |
| Macau                            | 1992        |                                      | 7.5                          |                                      | 4.8                          | 74.6                                   | 75.2 | 58.7 | 13.5                               | 16.2 | 26.8 | 11.9              | 8.6  | 14.6 |
| Malaysia                         | 1991        |                                      | 3.2                          |                                      | 2.8                          |  | 77.3 | 72.7 |                                    | 7.2  | 8.4  |                   | 15.5 | 18.9 |
| Mauritius                        | 1991        |                                      | 5.4                          | 1.4                                  | 2.2                          | 64.3                                   | 70.5 | 65.7 | 14.4                               | 15.8 | 14.2 | 21.3              | 13.8 | 20.1 |
| Mexico                           | 1991        |                                      | 54.2                         |                                      | 10.0                         | 48.4                                   | 46.2 | 46.2 | 19.4                               | 11.0 | 10.0 | 32.2              | 42.7 | 43.8 |
| Nepal                            | 1991        |                                      | 3.0                          |                                      | 0.4                          |  |      | 59.4 |                                    |      | 6.0  |                   |      | 34.6 |
| Panama                           | 1989        | 3.4                                  | 10.5                         | -2.6                                 | 4.1                          | 42.0                                   | 58.5 | 65.0 | 17.5                               | 18.2 | 13.6 | 40.6              | 23.3 | 21.4 |
| Philippines                      | 1989        |                                      | 5.1                          | 3.9                                  | 1.9                          | 61.8                                   | 77.7 | 61.5 | 11.1                               | 15.0 | 14.2 | 27.1              | 7.3  | 24.3 |
| Qatar                            | 1991        |                                      | 24.2                         |                                      | 4.6                          |  |      | 40.0 |                                    |      | 11.3 |                   |      | 46.7 |
| Republic of Korea                | 1991        |                                      | 40.8                         | 9.3                                  | 10.8                         | 61.9                                   | 63.2 | 53.2 | 14.8                               | 16.4 | 12.4 | 23.3              | 21.4 | 34.4 |
| Saudi Arabia                     | 1989        |                                      | 13.6                         |                                      | 6.3                          |  |      | 75.2 |                                    |      | 11.4 |                   |      | 13.3 |
| Senegal                          | 1989        |                                      |                              |                                      | 2.7                          |  |      |      |                                    |      | 44.8 |                   |      |      |
| Singapore                        | 1992        | 2.7                                  | 28.8                         | 5.9                                  | 14.9                         | 92.0                                   | 81.7 | 63.6 | 3.2                                | 10.8 | 18.8 | 4.8               | 7.6  | 17.7 |
| Slovenia                         | 1992        |                                      | 19.4                         |                                      | 13.4                         |  |      | 61.5 |                                    |      | 26.7 |                   |      | 11.8 |
| Sri Lanka                        | 1990        |                                      |                              |                                      |                              | 62.5                                   |      | 43.4 | 12.1                               | 10.3 | 10.8 | 75.4              |      | 45.8 |
| Suriname                         | 1992        |                                      |                              |                                      |                              |  |      |      |                                    |      | 10.0 |                   |      |      |
| Taiwan Province                  | 1992        | 6.5                                  | 22.3                         | 6.7                                  | 11.9                         | 76.3                                   | 68.5 | 59.7 | 14.5                               | 18.2 | 21.4 | 9.2               | 13.3 | 18.9 |
| The F. Yugosl. Rep. of Macedonia | 1992        |                                      |                              |                                      |                              |  |      | 46.7 |                                    |      | 16.4 |                   |      | 36.9 |
| Thailand                         | 1991        |                                      | 18.7                         |                                      | 2.4                          |  |      | 62.7 |                                    |      | 4.8  |                   |      | 32.6 |
| Turkey                           | 1991        | 3.7                                  | 44.7                         | 6.5                                  | 13.4                         | 60.4                                   | 62.5 | 53.1 | 10.3                               | 6.8  | 14.0 | 29.4              | 30.7 | 32.9 |
| Uruguay                          | 1990        | -1.3                                 | 21.6                         | -0.7                                 | 5.3                          | 42.1                                   | 37.5 | 38.5 | 19.9                               | 14.6 | 15.0 | 37.9              | 47.9 | 46.5 |
| Venezuela                        | 1992        |                                      | 22.4                         |                                      | 5.6                          | 48.7                                   | 49.2 | 54.3 | 24.3                               | 18.8 | 11.5 | 27.0              | 32.0 | 34.2 |
| Zambia                           | 1989        |                                      | 16.8                         | 2.7                                  | 7.1                          | 65.7                                   | 65.0 | 67.8 | 12.6                               | 13.0 | 13.6 | 21.8              | 22.0 | 18.6 |
| Zimbabwe                         | 1991        |                                      | 11.7                         | -2.0                                 | 3.4                          | 54.7                                   | 55.7 | 56.2 | 16.8                               | 17.7 | 12.7 | 28.6              | 26.6 | 31.1 |

a. At current prices.

TABLE 1.12

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Country or area                                 | Plastic products (356)               |                    |                                      |                    |  |                    |                                      |                    |                                      |                    |      |      |      |      |
|---|--------------------------------------|--------------------|--------------------------------------|--------------------|--|--------------------|--------------------------------------|--------------------|--------------------------------------|--------------------|------|------|------|------|
|   | Value added per employee             |                    | Wages per employee                   |                    | Costs of input materials and utilities |                    | Costs of labour                      |                    | Operating surplus                    |                    |      |      |      |      |
|   | Real annual growth rate (percentage) | Value 1000 dollars | Real annual growth rate (percentage) | Value 1000 dollars | Real annual growth rate (percentage)   | Value 1000 dollars | Real annual growth rate (percentage) | Value 1000 dollars | Real annual growth rate (percentage) | Value 1000 dollars |      |      |      |      |
| Latest year (LY)                                | 1990-1Y                              | LY                 | 1980-1Y                              | LY                 | 1980                                   | 1985               | LY                                   | 1980               | 1985                                 | LY                 |      |      |      |      |
| Industrialized countries b/                     |                                      |                    |                                      |                    |  |                    |                                      |                    |                                      |                    |      |      |      |      |
| Australia                                       | 1991                                 |                    | 53.8                                 | 0.9                | 21.9                                   | 59.5               | 60.9                                 | 55.9               | 20.8                                 | 19.7               | 18.0 | 19.7 | 19.5 | 26.1 |
| Austria   | 1991                                 |                    | 44.0                                 | 1.5                | 22.5                                   | 65.7               | 63.1                                 | 61.6               | 20.8                                 | 20.3               | 19.7 | 13.5 | 16.5 | 18.7 |
| Belgium   | 1992                                 |                    |                                      | 1.8                | 26.6                                   |                    |                                      |                    |                                      |                    |      |      |      |      |
| Canada  | 1992                                 | 5.5                | 47.6                                 | 0.0                | 22.6                                   | 58.9               | 58.1                                 | 53.8               | 19.0                                 | 18.6               | 22.0 | 22.2 | 23.3 | 24.3 |
| Denmark   | 1991                                 | 0.6                | 44.1                                 | -0.7               | 27.5                                   | 48.1               | 39.7                                 | 45.6               | 32.9                                 | 30.7               | 33.7 | 19.1 | 29.6 | 20.7 |
| Finland   | 1992                                 | 4.4                | 47.7                                 | 1.9                | 23.6                                   | 54.5               | 50.5                                 | 51.7               | 19.2                                 | 21.7               | 23.8 | 26.3 | 27.8 | 24.5 |
| France  | 1992                                 | 3.9                | 63.5                                 | 3.9                | 31.3                                   | 82.6               | 64.3                                 | 60.2               | 27.1                                 | 24.6               | 10.2 | 10.2 | 11.0 |      |
| Germany, western part                           | 1992                                 | 1.8                | 68.4                                 | 1.5                | 31.3                                   | 57.4               | 51.7                                 | 48.6               | 23.3                                 | 22.0               | 23.5 | 19.3 | 26.3 | 27.9 |
| Greece  | 1992                                 | 4.0                | 34.2                                 | 0.9                | 11.9                                   | 62.6               | 67.0                                 | 58.9               | 14.8                                 | 15.4               | 14.3 | 22.6 | 17.6 | 26.8 |
| Iceland   | 1991                                 | 4.4                | 54.2                                 | 4.4                | 34.4                                   | 61.7               | 62.7                                 | 59.7               | 17.9                                 | 17.3               | 25.9 | 20.4 | 20.0 | 14.9 |
| Ireland   | 1990                                 | 3.8                | 47.3                                 | 0.5                | 19.1                                   | 50.4               | 54.9                                 | 18.3               | 19.1                                 | 18.1               | 18.3 | 20.4 | 27.0 | 27.0 |
| Israel  | 1991                                 |                    | 40.5                                 |                    | 15.0                                   | 51.1               | 52.4                                 | 54.7               | 15.0                                 | 15.0               | 16.0 | 32.9 | 32.6 | 28.6 |
| Italy   | 1991                                 |                    | 54.2                                 |                    |  | 67.6               | 68.4                                 | 57.2               | 17.1                                 | 13.0               | 20.5 | 15.2 | 18.6 | 12.1 |
| Japan   | 1992                                 | -0.3               | 83.3                                 | 1.6                | 29.6                                   | 63.5               | 61.0                                 | 57.2               | 13.3                                 | 14.1               | 15.2 | 23.3 | 24.9 | 27.6 |
| Netherlands                                     | 1990                                 |                    | 51.5                                 | 2.9                | 31.8                                   | 66.5               | 66.9                                 | 66.8               | 19.6                                 | 21.8               | 20.5 | 13.9 | 11.4 | 12.7 |
| New Zealand                                     | 1990                                 |                    | 33.0                                 | -1.2               | 16.3                                   | 60.5               | 66.7                                 | 63.5               | 23.4                                 | 17.8               | 18.0 | 16.1 | 15.6 | 18.5 |
| Norway  | 1992                                 | 3.1                | 54.2                                 | 2.9                | 36.0                                   | 66.5               | 64.8                                 | 61.3               | 19.5                                 | 19.9               | 25.7 | 14.0 | 15.3 | 13.0 |
| South Africa                                    | 1992                                 | -1.1               | 13.5                                 | -1.2               | 8.0                                    | 61.9               | 65.6                                 | 67.2               | 17.7                                 | 21.0               | 19.6 | 20.4 | 13.4 |      |
| Spain   | 1991                                 |                    | 43.6                                 | 1.5                | 19.5                                   | 63.2               | 65.0                                 | 62.7               | 17.9                                 | 14.6               | 16.7 | 18.7 | 20.4 | 20.6 |
| Sweden  | 1992                                 | 2.0                | 53.1                                 | 1.3                | 27.9                                   | 49.7               | 51.4                                 | 53.0               | 21.9                                 | 19.2               | 19.1 | 28.4 | 20.3 |      |
| United Kingdom                                  | 1992                                 | 4.9                | 55.9                                 | 2.1                | 23.8                                   | 54.2               | 54.3                                 | 50.8               | 22.0                                 | 20.2               | 20.9 | 23.8 | 25.4 | 28.3 |
| United States of America                        | 1991                                 | 2.1                | 58.0                                 | 0.6                | 23.3                                   | 52.6               | 50.3                                 | 51.6               | 20.3                                 | 20.1               | 19.4 | 27.1 | 29.6 | 29.0 |
| Countries of eastern Europe and the former USSR |                                      |                    |                                      |                    |  |                    |                                      |                    |                                      |                    |      |      |      |      |
| Armenia   | 1991                                 |                    | 4.9                                  |                    | 2.1                                    |                    |                                      | 40.6               | 7.4                                  | 5.5                | 25.6 |      |      | 33.8 |
| Bulgaria  | 1992                                 |                    |                                      |                    | 1.5                                    |                    |                                      |                    |                                      |                    |      |      |      |      |
| Czech Republic                                  | 1992                                 |                    |                                      |                    | 1.9                                    |                    |                                      |                    |                                      |                    |      |      |      |      |
| Hungary   | 1992                                 |                    |                                      | 0.9                | 3.1                                    | 72.0               | 67.6                                 |                    | 8.0                                  | 7.9                | 17.2 | 20.0 | 24.6 |      |
| Kyrgyzstan                                      | 1992                                 |                    |                                      |                    | 1.1                                    |                    |                                      |                    |                                      |                    |      |      |      |      |
| Latvia  | 1992                                 |                    |                                      |                    | 1.4                                    |                    |                                      |                    |                                      |                    |      |      |      |      |
| Poland  | 1990                                 |                    | 4.8                                  |                    | 1.2                                    |                    |                                      | 49.4               |                                      |                    | 9.1  |      |      | 41.6 |
| Republic of Moldova                             | 1991                                 |                    | 19.9                                 |                    | 1.4                                    |                    |                                      | 68.7               |                                      |                    | 19.2 |      |      |      |
| Romania   | 1989                                 |                    |                                      |                    |  |                    |                                      |                    |                                      |                    |      |      |      |      |
| Ukraine   | 1992                                 |                    |                                      |                    | 2.2                                    |                    |                                      |                    |                                      |                    |      |      |      |      |
| Developing countries                            |                                      |                    |                                      |                    |  |                    |                                      |                    |                                      |                    |      |      |      |      |
| Argentina                                       | 1990                                 |                    | 16.4                                 | 4.8                | 4.9                                    | 56.7               | 41.1                                 | 60.6               | 9.7                                  | 12.0               | 11.6 | 33.6 | 46.9 | 27.7 |
| Bangladesh                                      | 1990                                 |                    | 4.9                                  |                    | 0.6                                    | 76.7               | 74.2                                 | 61.8               | 12.7                                 | 7.2                | 4.6  | 10.7 | 18.7 | 33.6 |
| Bhutan  | 1989                                 |                    | 10.5                                 |                    | 1.6                                    |                    |                                      | 55.2               |                                      |                    | 6.8  |      |      | 37.9 |
| Bolivia   | 1991                                 |                    | 6.8                                  |                    | 1.8                                    | 48.9               | 59.3                                 | 57.9               | 16.0                                 | 7.8                | 11.3 | 35.2 | 32.9 | 30.8 |
| Brazil  | 1990                                 |                    | 19.7                                 |                    | 4.8                                    | 51.8               | 48.1                                 | 41.3               | 11.2                                 | 10.3               | 14.2 | 37.1 | 41.6 | 44.6 |
| Burundi   | 1991                                 |                    | 5.8                                  |                    | 2.5                                    | 56.0               |                                      | 63.3               | 27.5                                 |                    | 15.9 | 16.6 |      | 20.8 |

a/ At current prices

b/ Excluding countries of eastern Europe and the former USSR

TABLE 1.12  
continued

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Plastic products (356)               |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |      |
|--------------------------------------|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|------------------------------------|------|------|-------------------|------|------|------|
| Country or area                      | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |      |
|                                      |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1900 dollars) |  |      |      | Costs of labour                    |      |      | Operating surplus |      |      |      |
|                                      |             | LY                                   | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY                                 | 1980 | 1985 | LY                | 1980 | 1985 | LY   |
| Chile                                | 1991        |                                      | 16.3                         |                                      | -0.3                         | 4.5                                    | 49.7 | 51.2 | 61.3                               | 15.8 | 9.7  | 10.6              | 34.4 | 39.1 | 28.1 |
| China                                | 1992        |                                      | 10.3                         |                                      |                              |  | 61.2 | 71.2 | 76.8                               | 2.0  | 1.4  |                   | 36.8 | 27.4 |      |
| Colombia                             | 1991        | -2.2                                 | 12.6                         |                                      | 2.4                          | 2.2                                    | 63.9 | 65.6 | 61.1                               | 8.8  | 7.7  | 6.9               | 27.3 | 26.7 | 32.1 |
| Costa Rica                           | 1991        |                                      | 7.1                          |                                      |                              |  | 70.1 | 64.2 | 64.3                               | 13.7 | 16.0 | 12.4              | 16.2 | 19.8 | 23.2 |
| Croatia                              | 1992        |                                      | 11.4                         |                                      |                              |  |      |      | 57.0                               |      |      | 9.6               |      |      | 33.3 |
| Cyprus                               | 1992        |                                      | 26.5                         |                                      | 4.7                          | 11.9                                   | 61.8 | 65.6 | 55.7                               | 13.0 | 17.9 | 19.9              | 25.3 | 16.5 | 24.3 |
| Ecuador                              | 1990        | 1.4                                  | 7.2                          |                                      | -1.6                         | 2.3                                    | 60.5 | 64.3 | 68.4                               | 14.9 | 13.3 | 10.0              | 24.7 | 22.4 | 21.7 |
| Egypt                                | 1989        |                                      | 5.3                          |                                      |                              |  | 70.4 |      | 84.7                               | 11.6 | 13.8 | 8.4               | 18.1 |      | 6.9  |
| El Salvador                          | 1991        |                                      |                              |                                      |                              |  | 47.5 | 51.3 | 52.8                               | 18.7 | 12.1 | 8.8               | 33.8 | 36.5 | 38.4 |
| Ethiopia                             | 1990        |                                      | 9.1                          |                                      | 2.0                          | 1.8                                    | 70.2 | 48.4 | 50.5                               | 9.4  | 8.4  | 9.6               | 20.5 | 43.2 | 39.9 |
| Fiji                                 | 1990        |                                      | 15.6                         |                                      |                              |  | 68.7 | 67.8 | 65.8                               | 16.2 | 11.1 | 8.8               | 15.1 | 21.0 | 25.3 |
| Hong Kong                            | 1991        | 10.4                                 | 17.4                         |                                      | 4.5                          | 9.1                                    | 61.1 | 69.6 | 67.9                               | 19.7 | 18.0 | 16.7              | 19.1 | 12.3 | 15.4 |
| India                                | 1990        |                                      | 3.6                          |                                      | 2.2                          | 1.0                                    | 83.7 | 82.1 | 84.1                               | 6.2  | 5.6  | 4.5               | 10.1 | 12.3 | 11.3 |
| Indonesia                            | 1989        |                                      | 1.8                          |                                      | 4.5                          | 0.6                                    | 78.2 | 61.0 | 83.4                               | 8.5  | 7.2  | 5.5               | 13.3 | 31.7 | 11.1 |
| Iran (Islamic Republic of)           | 1990        |                                      |                              |                                      |                              |  | 59.9 | 52.0 | 73.3                               | 24.7 | 26.7 | 8.5               | 15.5 | 21.3 | 18.1 |
| Iraq                                 | 1992        |                                      |                              |                                      |                              |  |      | 66.9 | 71.3                               |      | 8.0  | 5.8               | 25.2 | 22.9 |      |
| Jordan                               | 1992        |                                      | 12.6                         |                                      |                              | 2.7                                    | 55.0 | 71.6 | 34.5                               | 8.5  | 13.4 | 14.3              | 26.5 | 15.0 | 51.1 |
| Kenya                                | 1991        | -3.1                                 | 7.1                          |                                      | 3.0                          |  | 67.0 | 74.5 | 77.0                               | 8.9  | 11.8 | 9.6               | 24.1 | 13.8 | 13.4 |
| Kuwait                               | 1989        |                                      | 21.3                         |                                      | 7.8                          |  | 51.5 | 57.6 | 54.3                               | 15.2 | 15.4 | 16.8              | 33.3 | 27.0 | 28.9 |
| Macau                                | 1992        |                                      | 3.7                          |                                      | 5.1                          |  | 70.1 | 80.4 | 81.1                               | 16.2 | 11.4 | 7.1               | 13.7 | 8.2  | 11.8 |
| Malaysia                             | 1991        |                                      | 7.4                          |                                      | 2.4                          |  |      | 67.4 | 66.0                               |      | 13.2 | 11.1              |      | 23.4 | 23.0 |
| Malta                                | 1990        | 1.3                                  | 15.7                         |                                      | 2.4                          | 9.2                                    | 54.2 | 45.6 | 56.0                               | 20.3 | 27.2 | 25.7              | 25.5 | 27.3 | 18.3 |
| Mauritius                            | 1991        |                                      | 6.5                          |                                      | 3.7                          | 2.4                                    | 60.7 | 66.7 | 61.3                               | 12.2 | 15.7 | 14.4              | 27.1 | 17.6 | 24.3 |
| Mexico                               | 1991        |                                      | 22.7                         |                                      | 5.3                          |  | 53.4 | 50.5 | 50.5                               | 15.3 | 11.2 | 11.6              | 31.3 | 38.3 | 37.9 |
| Nepal                                | 1991        |                                      | 2.8                          |                                      | 0.5                          |  |      | 66.4 |                                    |      | 5.7  |                   |      |      | 27.9 |
| Panama                               | 1989        | -0.2                                 | 16.2                         |                                      | 3.0                          | 6.6                                    | 57.0 | 58.1 | 58.8                               | 12.6 | 15.5 | 16.7              | 30.4 | 26.4 | 24.5 |
| Philippines                          | 1989        |                                      | 4.1                          |                                      | 2.6                          | 1.5                                    | 65.2 | 77.2 | 77.2                               | 9.6  | 7.9  | 8.5               | 25.2 | 14.9 | 14.2 |
| Qatar                                | 1992        |                                      | 15.5                         |                                      | 4.9                          |  |      | 46.9 |                                    |      | 16.8 |                   |      |      | 36.3 |
| Republic of Korea                    | 1991        |                                      | 32.2                         |                                      | 7.8                          | 10.1                                   | 68.6 | 65.6 | 59.8                               | 10.7 | 10.0 | 12.6              | 20.7 | 24.4 | 27.7 |
| Saudi Arabia                         | 1989        |                                      | 17.3                         |                                      | 6.6                          |  |      | 69.7 |                                    |      | 11.5 |                   |      |      | 18.8 |
| Senegal                              | 1989        |                                      | 6.9                          |                                      | 3.5                          |  |      | 77.0 |                                    |      | 11.7 |                   |      |      | 11.3 |
| Singapore                            | 1992        | -2.4                                 | 24.9                         |                                      | 6.6                          | 11.8                                   | 65.2 | 62.3 | 60.3                               | 12.9 | 17.1 | 18.9              | 21.9 | 20.6 | 20.8 |
| Slovenia                             | 1992        |                                      | 13.7                         |                                      |                              | 9.6                                    |      | 64.2 |                                    |      | 25.1 |                   |      |      | 10.7 |
| Sri Lanka                            | 1990        |                                      |                              |                                      |                              |  | 73.3 |      | 58.1                               | 6.9  | 10.8 | 8.4               | 19.8 |      | 33.6 |
| Suriname                             | 1992        |                                      |                              |                                      |                              |  |      |      |                                    | 15.0 | 20.0 | 2.6               |      |      |      |
| Taiwan Province                      | 1992        | 7.0                                  | 21.6                         |                                      | 7.3                          | 11.4                                   | 75.5 | 71.3 | 65.4                               | 12.9 | 17.4 | 18.2              | 11.6 | 11.3 | 16.4 |
| The former Yugoslav Rep of Macedonia | 1992        |                                      |                              |                                      |                              |  |      |      | 41.7                               |      | 12.2 |                   |      |      | 46.1 |
| Thailand                             | 1991        |                                      | 8.1                          |                                      |                              | 1.8                                    |      | 53.0 |                                    |      | 10.3 |                   |      |      | 36.7 |
| Turkey                               | 1991        | 2.1                                  | 26.2                         |                                      | 4.6                          | 6.4                                    | 69.2 | 74.7 | 62.7                               | 8.2  | 7.2  | 9.1               | 22.7 | 18.5 | 28.2 |
| Uruguay                              | 1990        |                                      | 13.0                         |                                      |                              | 3.2                                    | 54.8 | 50.6 | 54.9                               | 19.1 | 12.4 | 11.0              | 26.1 | 37.0 | 34.2 |
| Venezuela                            | 1992        |                                      | 11.6                         |                                      |                              | 3.9                                    | 49.8 | 55.3 | 59.7                               | 18.4 | 16.8 | 13.6              | 31.8 | 27.8 | 26.7 |
| Zambia                               | 1980        |                                      | 29.7                         |                                      | 2.2                          | 5.3                                    | 56.5 | 57.3 | 59.3                               | 10.0 | 7.8  | 7.2               | 33.5 | 34.9 | 33.4 |
| Zimbabwe                             | 1991        |                                      | 10.3                         |                                      | -0.3                         | 3.6                                    | 53.8 | 48.2 | 56.3                               | 17.5 | 17.9 | 15.3              | 28.7 | 33.9 | 28.3 |

TABLE 1.12

## SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Pottery, china, earthenware (361)                      |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
|--|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|------------------------------------|------|------|-------------------|------|------|
| Country or area  | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |
|  |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) | 1980                                   | 1985 | LY   | 1980                               | 1985 | LY   | 1980              | 1985 | LY   |
|  |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      |  |      |      |                                    |      |      |                   |      |      |
| <b>Industrialized countries b/</b>                     |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Australia  | 1991        |                                      | 39.7                         | -0.9                                 | 19.9                         | 35.5                                   | 34.4 | 40.7 | 40.3                               | 36.3 | 29.7 | 24.2              | 29.2 | 29.7 |
| Austria  | 1991        | 1.0                                  | 56.9                         | 1.4                                  | 24.2                         | 43.1                                   | 45.6 | 43.7 | 34.7                               | 38.0 | 36.9 | 22.2              | 18.5 | 19.4 |
| Belgium  | 1992        | 2.7                                  | 51.6                         | 0.4                                  | 24.1                         |  |      |      |                                    |      |      |                   |      |      |
| Canada   | 1992        |                                      | 57.9                         | 2.5                                  | 29.8                         | 44.4                                   | 42.9 | 46.2 | 31.1                               | 31.4 | 27.7 | 24.4              | 25.7 | 26.2 |
| Denmark  | 1991        |                                      | 35.5                         | 0.7                                  | 28.2                         | 13.0                                   | 17.6 | 17.4 | 59.0                               | 61.4 | 65.5 | 27.4              | 21.0 | 17.0 |
| Finland  | 1992        | 2.0                                  | 41.2                         | 1.5                                  | 23.5                         | 19.0                                   | 21.3 | 43.1 | 28.6                               | 30.3 | 32.5 | 52.4              | 47.8 | 24.4 |
| Germany, western part                                  | 1992        | -1.3                                 | 43.6                         | 1.2                                  | 25.6                         | 5.2                                    | 29.8 | 36.3 | 42.0                               | 39.6 | 37.4 | 52.8              | 30.7 | 26.2 |
| Greece   | 1992        | -2.7                                 | 26.9                         | 0.8                                  | 13.4                         | 43.0                                   | 45.0 | 40.2 | 25.5                               | 29.8 | 29.8 | 31.4              | 25.2 | 30.0 |
| Ireland  | 1990        |                                      | 41.4                         | 0.6                                  | 17.1                         | 57.5                                   | 57.1 | 41.4 | 25.9                               | 21.4 | 24.2 | 16.6              | 21.4 | 34.6 |
| Israel   | 1991        |                                      | 42.7                         |                                      | 18.7                         | 33.2                                   | 44.2 | 36.7 | 42.9                               | 38.5 | 27.8 | 24.0              | 17.3 | 35.5 |
| Italy  | 1991        |                                      | 55.7                         |                                      |                              |  | 61.6 | 54.5 |                                    | 17.4 | 30.9 |                   | 21.0 | 14.6 |
| Japan  | 1992        |                                      | 54.7                         | 1.9                                  | 26.9                         | 42.1                                   | 45.3 | 42.0 | 26.1                               | 27.1 | 28.6 | 31.8              | 27.6 | 29.4 |
| New Zealand  | 1990        |                                      | 50.5                         |                                      | 29.2                         | 46.8                                   | 58.7 | 47.2 | 46.3                               | 28.7 | 30.6 | 6.9               | 12.7 | 22.3 |
| Norway   | 1992        | -1.3                                 | 36.8                         | 2.2                                  | 32.6                         | 40.9                                   | 42.9 | 41.6 | 38.6                               | 41.0 | 51.8 | 20.5              | 16.0 | 6.6  |
| South Africa   | 1992        |                                      | 7.6                          |                                      | 4.7                          |  |      | 18.2 |                                    |      | 50.3 |                   |      | 31.4 |
| Spain  | 1991        |                                      | 28.7                         | 0.4                                  | 17.0                         | 34.7                                   | 35.6 | 44.9 | 34.5                               | 31.9 | 32.5 | 30.8              | 32.6 | 22.6 |
| Sweden   | 1992        | 2.3                                  | 49.5                         | 2.7                                  | 29.5                         | 33.9                                   | 31.5 | 48.5 | 32.7                               | 29.9 | 30.7 | 33.4              | 38.7 | 20.8 |
| United Kingdom   | 1992        | 2.3                                  | 38.0                         | 2.4                                  | 20.7                         | 33.3                                   | 33.0 | 31.9 | 37.0                               | 33.4 | 37.1 | 29.7              | 33.6 | 31.0 |
| United States of America                               | 1991        |                                      | 47.6                         | -0.4                                 | 22.2                         | 32.8                                   | 35.0 | 31.3 | 33.3                               | 32.5 | 32.0 | 33.9              | 32.5 | 36.7 |
| <b>Countries of eastern Europe and the former USSR</b> |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Armenia  | 1991        |                                      |                              |                                      | 2.1                          |  |      |      |                                    |      | 27.0 |                   |      |      |
| Bulgaria   | 1992        |                                      |                              |                                      | 1.1                          |  |      |      | 16.6                               | 17.2 | 13.0 |                   |      |      |
| Czech Republic   | 1992        |                                      |                              |                                      | 1.8                          |  |      |      |                                    |      | 46.4 |                   |      |      |
| Hungary  | 1992        | 4.4                                  |                              | 1.4                                  | 3.2                          | 50.0                                   | 47.7 |      | 18.6                               | 17.6 | 27.5 | 31.4              | 34.7 |      |
| Latvia   | 1992        |                                      |                              |                                      | 1.6                          |  |      |      |                                    |      | 18.7 |                   |      |      |
| Poland   | 1990        | 3.5                                  | 4.5                          |                                      | 1.1                          |  |      | 34.5 |                                    |      | 16.8 |                   |      | 48.7 |
| Romania  | 1989        |                                      | 36.7                         |                                      |                              |  |      | 70.9 |                                    |      |      |                   |      |      |
| Ukraine  | 1992        |                                      |                              |                                      | 2.3                          |  |      |      |                                    |      | 29.0 |                   |      |      |
| <b>Developing countries</b>                            |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Argentina  | 1990        | 2.9                                  | 17.6                         |                                      | 6.9                          | 38.2                                   | 14.6 | 57.0 | 14.3                               | 27.7 | 16.9 | 47.5              | 57.7 | 26.1 |
| Bangladesh   | 1990        |                                      | 2.8                          | 2.7                                  | 0.6                          | 46.8                                   | 33.3 | 48.4 | 15.3                               | 16.3 | 11.8 | 37.9              | 50.4 | 39.8 |
| Brazil   | 1990        |                                      | 12.0                         |                                      | 3.5                          | 27.1                                   | 24.6 | 22.0 | 29.7                               | 19.9 | 23.0 | 43.2              | 55.5 | 55.0 |
| Chile  | 1991        | -2.0                                 | 7.3                          | -0.8                                 | 2.9                          | 34.5                                   | 48.9 | 46.7 | 19.6                               | 19.9 | 21.4 | 45.8              | 31.2 | 32.4 |
| China  | 1992        |                                      | 2.7                          |                                      |                              | 62.7                                   | 62.3 | 69.7 | 9.5                                | 6.4  |      | 27.8              | 31.3 |      |
| Colombia   | 1991        | 4.3                                  | 11.9                         | 1.2                                  | 2.2                          | 42.4                                   | 44.4 | 41.4 | 17.5                               | 13.3 | 11.0 | 40.1              | 42.2 | 47.6 |
| Costa Rica   | 1991        |                                      | 4.4                          |                                      | 3.1                          | 68.1                                   | 64.0 | 64.1 | 27.8                               | 24.1 | 25.4 | 4.1               | 11.8 | 10.4 |
| Croatia  | 1992        |                                      | 7.8                          |                                      | 2.0                          |  |      | 58.9 |                                    |      | 10.2 |                   |      | 30.9 |
| Cuba   | 1989        | -2.3                                 | 3.1                          |                                      | 3.0                          |  |      |      |                                    |      |      |                   |      |      |
| Cyprus   | 1992        | -9.4                                 | 17.1                         | 4.8                                  | 7.5                          | 25.6                                   | 42.4 | 38.8 | 28.1                               | 23.1 | 26.9 | 45.3              | 34.5 | 34.3 |
| Ecuador  | 1990        | -3.7                                 | 5.6                          | -2.0                                 | 2.4                          | 37.3                                   | 34.5 | 60.2 | 20.7                               | 21.7 | 17.3 | 42.1              | 43.8 | 22.5 |

<sup>a/</sup> At current prices<sup>b/</sup> Excluding countries of eastern Europe and the former USSR



TABLE 1.12  
continued

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Pottery, china, earthenware (L61)         |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |
|---|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|-------------------------|------|------|-------------------|------|------|
| Country or area                           | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output a/ |      |      | Operating surplus |      |      |
|   |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) | 1980                                   | 1985 | LY   | Costs of labour         |      |      | Operating surplus |      |      |
|   |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      |  |      |      | LY                      | 1980 | 1985 | LY                | 1980 | 1985 |
| Egypt                                     | 1989        |                                      | 8.5                          |                                      | 3.2                          | 54.6                                   | 53.9 | 69.0 | 22.7                    | 23.5 | 11.6 | 22.7              | 22.7 | 19.4 |
| Hong Kong                                 | 1991        |                                      | 7.7                          |                                      | 6.4                          | 43.8                                   | 74.7 | 62.5 | 35.4                    | 15.4 | 31.3 | 20.8              | 9.9  | 6.3  |
| India                                     | 1990        |                                      | 1.9                          |                                      | 2.5                          | 62.8                                   | 78.7 | 72.7 | 19.8                    | 19.4 | 16.2 | 17.5              | 1.9  | 11.0 |
| Indonesia                                 | 1989        |                                      | 2.4                          |                                      | 5.2                          | 58.9                                   | 60.3 | 60.7 | 20.4                    | 16.2 | 11.5 | 20.7              | 23.5 | 27.7 |
| Iran (Islamic Republic of)                | 1990        |                                      |                              |                                      |                              | 25.8                                   | 18.8 | 25.7 | 45.8                    | 42.9 | 23.0 | 28.4              | 38.3 | 51.3 |
| Iraq                                      | 1992        |                                      |                              |                                      |                              |  | 49.3 | 38.3 |                         | 25.5 | 27.7 |                   | 26.2 | 34.0 |
| Kenya                                     | 1991        |                                      | 3.2                          |                                      | 1.9                          | 70.0                                   | 80.5 | 50.0 | 19.2                    | 31.8 | 30.6 | 10.8              | 7.5  | 19.4 |
| Macau                                     | 1992        |                                      | 7.2                          |                                      | 5.1                          |  | 56.9 | 23.1 |                         | 30.4 | 54.5 |                   | 12.7 | 22.4 |
| Malaysia                                  | 1991        |                                      | 5.1                          |                                      | 2.3                          |  | 47.5 | 49.5 |                         | 21.3 | 22.9 |                   | 31.1 | 27.5 |
| Mauritius                                 | 1991        |                                      | 3.9                          |                                      | 2.0                          |  | 60.0 | 62.5 |                         | 10.5 | 18.8 |                   | 29.5 | 18.8 |
| Mexico                                    | 1991        |                                      | 22.8                         |                                      | 5.7                          | 27.9                                   | 28.9 | 28.5 | 16.2                    | 10.6 | 17.8 | 55.4              | 60.4 | 53.7 |
| Philippines                               | 1989        |                                      | 5.0                          |                                      | 6.3                          | 47.7                                   | 54.3 | 45.0 | 9.7                     | 16.2 | 22.7 | 42.6              | 29.5 | 32.2 |
| Republic of Korea                         | 1991        |                                      | 19.1                         |                                      | 7.7                          | 37.2                                   | 37.2 | 34.5 | 25.6                    | 26.2 | 28.0 | 37.2              | 36.6 | 37.5 |
| Saudi Arabia                              | 1989        |                                      | 24.1                         |                                      | 7.1                          |  |      | 48.0 |                         |      | 15.0 |                   |      | 38.0 |
| Sri Lanka                                 | 1990        |                                      |                              |                                      |                              | 26.2                                   |      | 50.0 | 42.9                    | 18.6 | 24.0 | 31.0              |      | 26.0 |
| Taiwan Province                           | 1992        |                                      | 21.1                         |                                      | 6.5                          | 54.9                                   | 55.1 | 37.3 | 29.9                    | 31.8 | 33.8 | 15.2              | 13.1 | 28.9 |
| The former Yugoslav Republic of Macedonia | 1992        |                                      |                              |                                      |                              |  |      | 49.0 |                         |      | 14.2 |                   |      | 36.7 |
| Thailand                                  | 1991        |                                      | 10.6                         |                                      | 1.8                          |  |      | 39.4 |                         |      | 10.5 |                   |      | 50.1 |
| Turkey                                    | 1991        |                                      | 3.6                          |                                      | 42.7                         | 3.9                                    | 7.7  | 31.1 | 43.1                    | 33.6 | 24.4 | 22.0              | 44.6 | 34.9 |
| Uruguay                                   | 1990        |                                      | 10.2                         |                                      | 0.8                          | 31.0                                   | 49.6 | 39.1 | 19.0                    | 24.3 | 15.9 | 50.0              | 26.1 | 42.0 |
| Venezuela                                 | 1992        |                                      | 11.9                         |                                      | 5.0                          | 28.7                                   | 28.4 | 36.5 | 32.3                    | 31.3 | 26.5 | 39.0              | 40.3 | 37.0 |
| Zambia                                    | 1989        |                                      | 17.6                         |                                      | 3.6                          | 57.4                                   | 69.3 | 69.9 | 12.9                    | 10.5 | 10.3 | 29.7              | 20.2 | 19.8 |
| Zimbabwe                                  | 1991        |                                      | 4.1                          |                                      | -1.4                         | 42.3                                   | 31.4 | 30.0 | 19.5                    | 41.2 | 29.4 | 38.1              | 27.5 | 40.6 |

a/ At current prices

TABLE 1.12

## SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Country or area                                 | Latest year | Glass (362)                          |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |      |
|---|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|------------------------------------|------|------|-------------------|------|------|------|
|   |             | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |      |
|   |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) |  |      |      | Costs of labour                    |      |      | Operating surplus |      |      |      |
|   |             | (LY)                                 | 19d0-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY                                 | 1980 | 1985 | LY                | 1980 | 1985 | LY   |
| Industrialized countries b/                     |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |      |
| Australia                                       | 1991        |                                      | 91.9                         |                                      | 2.0                          | 32.2                                   | 40.0 | 41.8 | 31.3                               | 28.6 | 22.1 | 24.1              | 31.1 | 36.0 | 44.7 |
| Austria   | 1991        | 5.1                                  | 57.8                         |                                      | 1.9                          | 26.8                                   | 53.2 | 48.3 | 47.6                               | 33.8 | 23.1 | 24.3              | 22.9 | 28.6 | 28.1 |
| Belgium   | 1992        | 1.3                                  | 65.9                         |                                      | 0.3                          | 26.6                                   |      |      |                                    |      |      |                   |      |      |      |
| Canada  | 1992        | 1.1                                  | 57.1                         |                                      | 0.1                          | 28.9                                   | 47.1 | 46.3 | 51.1                               | 25.6 | 24.4 | 24.8              | 27.3 | 29.3 | 24.2 |
| Denmark   | 1991        |                                      | 45.7                         |                                      | -0.4                         | 28.4                                   | 43.0 | 40.2 | 45.2                               | 36.0 | 35.3 | 34.0              | 21.0 | 24.5 | 20.7 |
| Finland   | 1992        | 3.6                                  | 53.3                         |                                      | 1.5                          | 24.7                                   | -6.6 | 46.1 | 50.5                               | 23.4 | 26.1 | 23.0              | 30.0 | 27.9 | 26.6 |
| France  | 1992        | 2.2                                  | 56.7                         |                                      |                              |  | 41.7 | 48.2 | 47.5                               | 40.1 | 36.5 |                   | 18.2 | 15.3 |      |
| Germany, western part                           | 1992        | 3.1                                  | 77.0                         |                                      | 1.4                          | 33.2                                   | 49.1 | 44.5 | 40.1                               | 27.2 | 25.3 | 25.9              | 23.7 | 30.2 | 34.1 |
| Greece  | 1992        | -0.0                                 | 31.4                         |                                      | -2.3                         | 11.9                                   | 46.0 | 54.3 | 55.7                               | 22.2 | 22.9 | 16.8              | 31.8 | 22.8 | 27.4 |
| Iceland   | 1991        |                                      | 37.2                         |                                      | 2.7                          | 28.2                                   | 56.9 | 58.2 | 61.2                               | 16.1 | 20.4 | 29.4              | 27.0 | 21.3 | 9.4  |
| Ireland   | 1990        |                                      | 36.7                         |                                      | 0.0                          | 23.6                                   | 35.9 | 35.6 | 43.4                               | 38.3 | 38.6 | 36.3              | 25.8 | 25.9 | 20.3 |
| Israel  | 1991        |                                      | 43.9                         |                                      |                              | 23.4                                   | 42.1 | 50.0 | 57.7                               | 36.8 | 35.2 | 22.5              | 21.1 | 14.8 | 19.7 |
| Italy   | 1991        |                                      | 55.8                         |                                      |                              |  |      | 61.6 | 59.7                               |      | 16.6 |                   | 27.5 | 21.8 | 12.8 |
| Japan   | 1992        |                                      | 128.4                        |                                      | 1.4                          | 37.5                                   | 48.0 | 45.6 | 42.3                               | 15.5 | 14.0 | 16.9              | 36.5 | 40.4 | 40.8 |
| Netherlands                                     | 1990        |                                      | 61.7                         |                                      | 5.2                          | 37.0                                   | 55.1 |      | 56.2                               | 26.5 |      | 26.3              | 18.4 |      | 17.5 |
| New Zealand                                     | 1990        |                                      | 48.2                         |                                      | 1.1                          | 25.4                                   | 58.1 | 60.4 | 52.5                               | 29.0 | 20.7 | 25.1              | 12.8 | 18.9 | 22.5 |
| Norway  | 1992        | 3.9                                  | 49.5                         |                                      | 2.9                          | 37.7                                   | 63.0 | 56.1 | 60.9                               | 25.8 | 24.5 | 29.8              | 11.2 | 19.5 | 9.3  |
| South Africa                                    | 1992        | 1.5                                  | 37.5                         |                                      |                              | 13.2                                   |      |      | 31.8                               |      |      | 24.0              |      |      | 44.3 |
| Spain   | 1991        |                                      | 56.9                         |                                      | 0.7                          | 21.7                                   | 47.8 | 48.3 | 51.4                               | 24.0 | 19.5 | 18.5              | 28.2 | 32.2 | 30.1 |
| Sweden  | 1992        | 1.5                                  | 43.6                         |                                      | 0.9                          | 27.1                                   | 42.2 | 45.7 | 64.1                               | 22.3 | 20.1 | 22.4              | 35.5 | 34.3 | 13.6 |
| United Kingdom                                  | 1992        | 4.0                                  | 52.0                         |                                      | 1.2                          | 25.5                                   | 44.6 | 46.8 | 44.5                               | 29.1 | 25.0 | 27.2              | 26.2 | 28.2 | 28.3 |
| United States of America                        | 1991        | 2.0                                  | 72.9                         |                                      | -0.1                         | 28.1                                   | 44.2 | 44.3 | 43.0                               | 25.3 | 23.7 | 22.0              | 30.5 | 31.4 | 35.0 |
| Countries of eastern Europe and the former USSR |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |      |
| Armenia   | 1991        |                                      |                              |                                      |                              | 2.4                                    |      |      |                                    |      |      | 19.3              |      |      |      |
| Bulgaria  | 1992        |                                      |                              |                                      |                              | 1.1                                    |      |      |                                    | 17.8 | 19.4 | 15.8              |      |      |      |
| Czech Republic                                  | 1992        |                                      |                              |                                      |                              | 2.0                                    |      |      |                                    |      |      | 32.9              |      |      |      |
| Hungary   | 1992        | 2.4                                  |                              |                                      | 0.9                          | 3.0                                    | 64.0 | 60.8 |                                    | 12.3 | 13.4 | 18.7              | 23.7 | 25.9 |      |
| Kyrgyzstan                                      | 1992        |                                      |                              |                                      |                              | 2.0                                    |      |      |                                    |      |      | 14.3              |      |      |      |
| Latvia  | 1992        |                                      |                              |                                      |                              | 1.6                                    |      |      |                                    |      |      | 11.3              |      |      |      |
| Poland  | 1990        | 2.1                                  | 5.0                          |                                      |                              | 1.2                                    |      |      | 47.1                               |      |      | 12.6              |      |      | 40.3 |
| Republic of Moldova                             | 1991        |                                      |                              |                                      |                              | 2.5                                    |      |      |                                    |      |      | 7.2               |      |      |      |
| Romania   | 1989        |                                      | 6.1                          |                                      |                              |  |      |      | 49.2                               |      |      |                   |      |      |      |
| Ukraine   | 1992        |                                      |                              |                                      |                              | 2.1                                    |      |      |                                    |      |      | 16.9              |      |      |      |
| Developing countries                            |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |      |
| Argentina                                       | 1990        | 4.6                                  | 29.8                         |                                      |                              | 8.1                                    | 50.4 | 31.9 | 54.1                               | 17.6 | 22.9 | 12.5              | 32.1 | 45.1 | 33.4 |
| Bangladesh                                      | 1990        | 8.1                                  | 4.4                          |                                      | 2.6                          | 0.9                                    | 43.9 | 46.6 | 44.3                               | 18.6 | 12.7 | 11.4              | 37.5 | 40.8 | 44.3 |
| Bolivia   | 1991        |                                      | 15.7                         |                                      |                              | 2.0                                    | 56.6 | 25.8 | 45.0                               | 19.3 | 19.7 | 6.9               | 24.1 | 54.5 | 48.1 |
| Brazil  | 1990        | 4.2                                  | 28.5                         |                                      |                              | 6.8                                    | 40.9 | 35.7 | 34.7                               | 16.7 | 13.4 | 15.6              | 42.4 | 50.9 | 49.7 |
| Chile   | 1991        | 6.6                                  | 26.3                         |                                      | 1.7                          | 6.6                                    | 35.4 | 33.5 | 43.6                               | 13.7 | 10.2 | 14.1              | 50.8 | 56.3 | 42.3 |
| China   | 1992        |                                      | 2.8                          |                                      |                              |  | 54.7 | 61.1 | 68.6                               | 10.5 | 6.4  |                   | 34.8 | 32.5 |      |

a/ At current prices

b/ Excluding countries of eastern Europe and the former USSR

TABLE 1.12  
(continued)

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Glass (362)                   |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
|-------------------------------|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|------------------------------------|------|------|-------------------|------|------|
| Country or area               | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |
|                               |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) |  |      |      | Costs of labour                    |      |      | Operating surplus |      |      |
|                               |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY                                 | 1980 | 1985 | LY                | 1980 | 1985 |
| Colombia                      | 1991        | 5.0                                  | 16.6                         | 0.6                                  | 2.6                          | 51.6                                   | 40.8 | 46.2 | 14.2                               | 11.7 | 8.3  | 34.2              | 47.5 | 45.5 |
| Costa Rica                    | 1991        |                                      | 13.2                         |                                      | 3.0                          | 76.8                                   | 63.1 | 63.2 | 6.7                                | 8.0  | 8.4  | 16.5              | 28.9 | 28.6 |
| Croatia                       | 1992        |                                      | 13.9                         |                                      | 2.5                          |  |      | 47.2 |                                    |      | 9.6  |                   |      | 43.2 |
| Cyprus                        | 1992        |                                      | 22.5                         | 3.8                                  | 10.8                         | 30.8                                   | 20.9 | 65.2 | 13.3                               | 27.1 | 16.7 | 55.9              | 51.9 | 18.0 |
| Ecuador                       | 1990        | 10.9                                 | 13.6                         | 1.6                                  | 3.6                          | 47.6                                   | 45.9 | 63.7 | 26.5                               | 13.3 | 9.5  | 25.8              | 40.9 | 26.8 |
| Egypt                         | 1989        |                                      | 5.8                          |                                      | 3.2                          | 59.4                                   | 59.0 | 66.6 | 32.5                               | 36.9 | 18.4 | 8.2               | 4.1  | 15.0 |
| El Salvador                   | 1991        |                                      |                              |                                      |                              |  | 50.0 | 50.0 |                                    | 8.0  | 25.0 |                   | 42.0 | 25.0 |
| Hong Kong                     | 1991        |                                      | 17.4                         | 1.5                                  | 7.3                          | 61.7                                   | 72.4 | 66.7 | 19.5                               | 16.2 | 13.9 | 18.8              | 11.4 | 19.4 |
| India                         | 1990        |                                      | 2.1                          | 4.3                                  | 1.0                          | 74.3                                   | 73.7 | 77.8 | 14.7                               | 12.6 | 11.0 | 11.1              | 13.8 | 11.2 |
| Indonesia                     | 1989        | 0.1                                  | 4.0                          | 5.6                                  | 1.2                          | 53.2                                   | 50.2 | 74.5 | 11.8                               | 8.2  | 7.8  | 35.0              | 41.6 | 17.7 |
| Iran (Islamic Republic of)    | 1990        |                                      |                              |                                      |                              | 39.6                                   | 35.3 | 44.9 | 35.0                               | 35.2 | 23.4 | 25.4              | 29.5 | 31.7 |
| Kenya                         | 1991        | -1.5                                 | 3.0                          |                                      | 1.8                          | 73.0                                   | 61.3 | 53.0 | 14.9                               | 24.7 | 26.9 | 12.1              | 14.0 | 19.3 |
| Kuwait                        | 1989        |                                      | 26.6                         |                                      | 10.1                         | 44.4                                   |      | 47.2 | 25.3                               |      | 20.1 | 30.2              |      | 32.8 |
| Macau                         | 1992        |                                      | 19.4                         |                                      | 7.7                          | 66.7                                   | 62.6 | 58.0 | 20.7                               | 16.8 | 16.6 | 12.7              | 20.6 | 25.6 |
| Malaysia                      | 1991        |                                      | 23.5                         |                                      | 5.8                          |  | 63.0 | 52.3 |                                    | 18.2 | 11.7 |                   | 18.8 | 36.1 |
| Mauritius                     | 1991        |                                      | 3.9                          | 3.7                                  | 2.5                          | 75.0                                   | 58.3 | 60.0 | 11.8                               | 29.9 | 26.0 | 13.3              | 11.8 | 14.0 |
| Mexico                        | 1991        |                                      | 33.3                         |                                      | 9.0                          | 44.7                                   | 45.6 | 45.6 | 23.1                               | 15.3 | 14.7 | 32.2              | 39.1 | 39.7 |
| Panama                        | 1989        |                                      | 11.5                         |                                      | 3.2                          | 52.9                                   | 47.2 | 50.5 | 17.0                               | 13.5 | 13.6 | 30.1              | 39.3 | 36.9 |
| Philippines                   | 1989        |                                      | 11.5                         | 10.6                                 | 3.8                          | 62.9                                   | 71.8 | 44.6 | 8.8                                | 10.1 | 18.3 | 28.3              | 13.1 | 37.1 |
| Republic of Korea             | 1991        |                                      | 49.2                         | 8.3                                  | 13.6                         | 50.2                                   | 52.7 | 40.5 | 16.1                               | 12.7 | 16.4 | 33.7              | 34.7 | 43.1 |
| Saudi Arabia                  | 1989        |                                      | 13.5                         |                                      | 6.2                          |  |      | 66.2 |                                    |      | 15.6 |                   |      | 18.2 |
| Sri Lanka                     | 1990        |                                      |                              |                                      |                              | 38.3                                   |      | 45.6 | 10.0                               | 14.7 | 15.9 | 51.7              |      | 38.6 |
| Taiwan Province               | 1992        |                                      | 24.5                         | 7.0                                  | 12.0                         | 53.9                                   | 39.2 | 40.7 | 12.2                               | 33.0 | 29.2 | 33.8              | 27.8 | 30.1 |
| The f Yugosl Rep of Macedonia | 1992        |                                      |                              |                                      |                              |  |      | 33.3 |                                    |      | 12.2 |                   |      | 54.5 |
| Thailand                      | 1991        |                                      | 24.2                         |                                      | 3.9                          |  |      | 38.6 |                                    |      | 10.0 |                   |      | 51.4 |
| Turkey                        | 1991        | 10.4                                 | 32.8                         | 9.4                                  | 13.1                         | 39.1                                   | 52.2 | 46.1 | 18.6                               | 12.5 | 21.5 | 42.2              | 35.2 | 32.4 |
| Uruguay                       | 1990        |                                      | 16.2                         | -1.8                                 | 3.9                          | 52.6                                   | 54.4 | 43.7 | 20.9                               | 19.1 | 13.7 | 25.5              | 25.5 | 42.7 |
| Venezuela                     | 1992        |                                      | 23.8                         |                                      | 4.5                          | 39.6                                   | 46.7 | 38.8 | 22.7                               | 20.6 | 11.6 | 37.7              | 32.7 | 49.6 |
| Zambia                        | 1989        |                                      | 16.2                         | 3.7                                  | 5.7                          | 48.8                                   | 61.8 | 62.0 | 15.5                               | 13.2 | 13.2 | 35.7              | 25.0 | 24.8 |
| Zimbabwe                      | 1991        |                                      | 12.3                         | -0.3                                 | 4.8                          | 42.7                                   | 47.5 | 45.2 | 22.8                               | 29.8 | 21.4 | 34.9              | 22.7 | 33.3 |

a. At current prices

TABLE 1.12

## SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Country or area                                 | Latest year | Other non-metallic mineral prods (369) |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |      |
|---|-------------|--|------------------------------|--------------------------------------|------------------------------|--|------|------|------------------------------------|------|------|-------------------|------|------|------|
|   |             | Value added per employee               |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |      |
|   |             | Real annual growth rate (percentage)   | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) |  |      |      | Costs of labour                    |      |      | Operating surplus |      |      |      |
|   |             | (LY)                                   | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY                                 | 1980 | 1985 | LY                | 1980 | 1985 | LY   |
| Industrialized countries b/                     |             |  |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |      |
| Australia                                       | 1991        |  | 66.8                         |                                      | 0.4                          | 24.0                                   | 57.3 | 60.8 | 56.6                               | 19.4 | 16.0 | 15.6              | 23.2 | 23.2 | 27.8 |
| Austria   | 1991        |  | 64.4                         |                                      | 1.8                          | 31.0                                   | 62.3 | 62.2 | 59.4                               | 20.5 | 19.2 | 19.6              | 17.2 | 18.6 | 21.0 |
| Belgium   | 1992        | 1.2                                    | 47.6                         |                                      | 0.4                          | 24.0                                   |      |      |                                    |      |      |                   |      |      |      |
| Canada  | 1992        |  | 61.1                         |                                      | -0.7                         | 28.7                                   | 54.3 | 53.4 | 52.5                               | 21.7 | 20.3 | 22.4              | 24.0 | 26.3 | 26.2 |
| Denmark   | 1991        | 0.3                                    | 60.3                         |                                      | -0.1                         | 30.8                                   | 41.5 | 43.2 | 40.5                               | 30.6 | 25.9 | 30.4              | 27.9 | 30.8 | 29.1 |
| Finland   | 1992        | 2.8                                    | 45.8                         |                                      | 1.4                          | 24.1                                   | 51.5 | 49.3 | 56.7                               | 20.5 | 21.9 | 22.8              | 28.0 | 28.7 | 20.6 |
| France  | 1992        | 1.1                                    | 89.9                         |                                      |                              |  | 54.0 | 56.7 | 55.7                               | 27.4 | 27.6 |                   | 18.5 | 15.7 |      |
| Germany, western part                           | 1992        | 1.6                                    | 105.8                        |                                      | 1.3                          | 35.8                                   | 45.8 | 44.4 | 40.2                               | 22.6 | 22.9 | 20.2              | 31.7 | 32.7 | 39.6 |
| Greece  | 1992        | -0.0                                   | 36.3                         |                                      | 0.5                          | 15.3                                   | 61.3 | 64.0 | 59.7                               | 13.9 | 15.9 | 17.0              | 24.8 | 20.1 | 23.3 |
| Iceland   | 1991        |  | 47.1                         |                                      | 2.7                          | 33.1                                   | 57.9 | 57.9 | 58.3                               | 17.8 | 19.3 | 29.3              | 24.3 | 22.8 | 12.4 |
| Ireland   | 1990        |  | 86.3                         |                                      | 1.3                          | 25.1                                   | 56.0 | 54.9 | 52.0                               | 16.1 | 15.2 | 14.0              | 27.9 | 29.9 | 34.1 |
| Israel  | 1991        |  | 53.6                         |                                      |                              | 22.9                                   | 58.9 | 65.0 | 62.4                               | 20.9 | 19.5 | 16.0              | 20.2 | 15.5 | 21.6 |
| Italy   | 1991        |  | 69.9                         |                                      |                              |  |      | 53.0 | 60.7                               |      | 15.3 | 20.7              |      | 21.7 | 18.5 |
| Japan   | 1992        |  | 101.8                        |                                      | 2.2                          | 32.9                                   | 56.6 | 53.3 | 49.2                               | 13.5 | 16.1 | 16.4              | 29.9 | 30.6 | 34.4 |
| New Zealand                                     | 1990        | 4.2                                    | 46.4                         |                                      | 1.2                          | 21.2                                   | 68.6 | 67.4 | 65.2                               | 19.2 | 13.8 | 15.9              | 12.2 | 15.8 | 18.9 |
| Norway  | 1992        | 3.5                                    | 63.1                         |                                      | 3.2                          | 43.9                                   | 62.6 | 65.4 | 64.8                               | 18.8 | 18.6 | 24.5              | 18.5 | 16.0 | 10.7 |
| South Africa                                    | 1992        |  | 13.7                         |                                      | 0.4                          | 7.3                                    | 47.4 | 50.9 | 48.6                               | 23.3 | 26.2 | 27.7              | 29.3 | 23.0 | 23.8 |
| Spain   | 1991        |  | 49.6                         |                                      | 1.6                          | 18.7                                   | 59.3 | 55.2 | 59.1                               | 17.7 | 15.1 | 15.4              | 23.1 | 29.6 | 25.4 |
| Sweden  | 1992        | -0.3                                   | 68.3                         |                                      | 0.8                          | 30.2                                   | 45.0 | 44.6 | 64.0                               | 22.1 | 18.3 | 15.9              | 32.9 | 37.0 | 20.1 |
| United Kingdom                                  | 1992        | 2.8                                    | 72.4                         |                                      | 1.8                          | 26.1                                   | 47.2 | 48.7 | 46.3                               | 18.4 | 16.6 | 19.3              | 34.4 | 34.6 | 34.4 |
| United States of America                        | 1991        |  | 65.0                         |                                      | -0.3                         | 26.2                                   | 50.6 | 49.1 | 48.7                               | 19.8 | 19.2 | 20.7              | 29.6 | 31.6 | 30.7 |
| Countries of eastern Europe and the former USSR |             |  |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |      |
| Armenia   | 1991        |  |                              |                                      |                              | 2.4                                    |      |      |                                    |      |      | 21.1              |      |      |      |
| Bulgaria  | 1992        |  |                              |                                      |                              | 1.3                                    |      |      |                                    | 7.8  | 7.6  | 12.3              |      |      |      |
| Czech Republic                                  | 1992        |  |                              |                                      |                              | 2.0                                    |      |      |                                    |      |      | 24.0              |      |      |      |
| Hungary   | 1992        | 2.0                                    |                              |                                      | 1.5                          | 3.4                                    | 64.4 | 66.5 |                                    | 10.6 | 10.4 | 18.0              | 25.1 | 23.2 |      |
| Kyrgyzstan                                      | 1992        |  |                              |                                      |                              | 1.1                                    |      |      |                                    |      |      | 12.9              |      |      |      |
| Latvia  | 1992        |  |                              |                                      |                              | 1.6                                    |      |      |                                    |      |      | 14.6              |      |      |      |
| Poland  | 1990        | -0.5                                   | 5.9                          |                                      |                              | 1.2                                    |      |      | 55.0                               |      |      | 9.0               |      |      | 36.0 |
| Republic of Moldova                             | 1991        |  |                              |                                      |                              | 1.9                                    |      |      |                                    |      |      | 15.7              |      |      |      |
| Romania   | 1989        |  | 3.5                          |                                      |                              |  |      |      | 63.6                               |      |      |                   |      |      |      |
| Ukraine   | 1992        |  |                              |                                      |                              | 2.5                                    |      |      |                                    |      |      | 13.7              |      |      |      |
| Developing countries                            |             |  |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |      |
| Argentina                                       | 1990        | -7.7                                   | 18.4                         |                                      |                              | 5.6                                    | 50.6 | 33.4 | 30.6                               | 16.3 | 17.9 | 21.1              | 33.1 | 48.7 | 48.3 |
| Bahamas   | 1991        |  | 43.5                         |                                      |                              | 20.2                                   |      |      | 56.2                               |      |      | 20.3              |      |      | 23.1 |
| Bangladesh                                      | 1990        |  |                              |                                      |                              |  | 61.9 | 67.8 | 56.7                               | 4.4  | 8.3  | 10.3              | 33.7 | 23.9 | 33.0 |
| Belize  | 1992        |  | 10.9                         |                                      |                              | 3.6                                    |      |      | 48.4                               |      |      | 16.9              |      |      | 34.7 |
| Bhutan  | 1989        |  | 8.4                          |                                      |                              | 1.7                                    |      |      | 43.7                               |      |      | 11.6              |      |      | 44.7 |
| Bolivia   | 1991        |  | 14.0                         |                                      |                              | 2.7                                    | 47.2 | 37.1 | 57.5                               | 15.2 | 8.2  | 8.3               | 37.6 | 54.7 | 34.2 |
| Brazil  | 1990        | 0.4                                    | 14.1                         |                                      |                              | 3.1                                    | 46.2 | 39.3 | 38.4                               | 11.7 | 11.8 | 13.5              | 42.0 | 48.9 | 48.1 |

a/ At current prices

b/ Excluding countries of eastern Europe and the former USSR

TABLE 1.12  
continued

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Other non-metallic mineral prods (369) |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
|--|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|------------------------------------|------|------|-------------------|------|------|
| Country or area                        | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |
|  |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) | 1980                                   | 1985 | LY   | 1980                               | 1985 | LY   | 1980              | 1985 | LY   |
|  |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY                                 | 1980 | 1985 | LY                | 1980 | 1985 |
| Burundi                                | 1991        |                                      | 9.0                          |                                      | 2.8                          | 47.3                                   |      | 52.8 | 22.6                               |      | 14.7 | 30.1              |      | 32.4 |
| Chile                                  | 1991        | 0.0                                  | 42.1                         | 2.0                                  | 7.5                          | 39.9                                   | 42.6 | 43.3 | 11.0                               | 9.1  | 10.2 | 49.1              | 48.3 | 46.6 |
| China                                  | 1992        |                                      | 3.0                          |                                      |                              | 54.9                                   | 61.3 | 65.8 | 7.4                                | 6.5  |      | 37.7              | 32.3 |      |
| Colombia                               | 1991        | 2.8                                  | 15.8                         | 1.4                                  | 2.5                          | 52.7                                   | 49.7 | 49.5 | 11.1                               | 10.2 | 8.0  | 36.1              | 40.1 | 42.5 |
| Costa Rica                             | 1991        |                                      | 8.7                          |                                      | 3.2                          | 52.9                                   | 62.6 | 60.7 | 21.7                               | 13.0 | 14.4 | 25.4              | 24.4 | 24.1 |
| Croatia                                | 1992        |                                      | 11.5                         |                                      | 2.4                          |  |      | 48.8 |                                    |      | 10.7 |                   |      | 40.5 |
| Cyprus                                 | 1992        | 0.7                                  | 30.2                         | 4.1                                  | 14.0                         | 57.8                                   | 64.5 | 58.5 | 14.5                               | 20.4 | 19.3 | 27.7              | 15.1 | 22.2 |
| Ecuador                                | 1990        | 5.2                                  | 12.7                         | 1.7                                  | 4.4                          | 41.0                                   | 56.4 | 61.8 | 15.8                               | 14.2 | 13.3 | 43.2              | 29.4 | 24.9 |
| Egypt                                  | 1989        |                                      | 10.7                         |                                      | 3.5                          | 65.9                                   | 64.1 | 63.0 | 20.1                               | 16.4 | 12.1 | 14.0              | 19.6 | 24.9 |
| El Salvador                            | 1991        |                                      |                              |                                      |                              | 69.3                                   | 52.9 | 46.0 | 19.2                               | 12.4 | 11.8 | 11.4              | 34.6 | 42.2 |
| Ethiopia                               | 1990        |                                      | 5.4                          |                                      | 1.3                          | 45.6                                   | 46.6 | 53.0 | 20.4                               | 13.5 | 11.1 | 34.0              | 39.9 | 35.9 |
| Fiji                                   | 1990        | -0.1                                 | 15.6                         | 1.2                                  | 7.8                          | 57.3                                   | 70.3 | 70.2 | 15.5                               | 11.5 | 14.9 | 27.2              | 18.2 | 14.9 |
| Hong Kong                              | 1991        |                                      | 38.7                         | 4.8                                  | 14.8                         | 79.1                                   | 82.2 | 81.0 | 4.2                                | 5.8  | 7.3  | 16.7              | 11.0 | 11.7 |
| India                                  | 1990        |                                      | 3.1                          | 1.7                                  | 0.9                          | 77.2                                   | 75.3 | 75.5 | 11.0                               | 8.5  | 6.9  | 11.8              | 16.2 | 17.6 |
| Indonesia                              | 1989        | -0.6                                 | 2.8                          | 0.3                                  | 0.7                          | 49.1                                   | 66.7 | 71.9 | 7.1                                | 7.4  | 7.1  | 43.9              | 25.8 | 21.1 |
| Iran (Islamic Republic of)             | 1990        |                                      |                              |                                      |                              | 31.8                                   | 33.8 | 40.8 | 43.0                               | 42.1 | 24.6 | 25.2              | 24.1 | 34.7 |
| Iraq                                   | 1992        |                                      |                              |                                      |                              |  | 37.5 | 57.5 |                                    | 18.8 | 9.9  |                   | 43.7 | 32.6 |
| Kenya                                  | 1991        | -0.9                                 | 7.4                          |                                      | 3.1                          | 78.0                                   | 85.3 | 81.0 | 9.2                                | 8.8  | 8.0  | 12.8              | 6.0  | 11.0 |
| Kuwait                                 | 1989        |                                      | 24.5                         |                                      | 8.6                          | 54.3                                   | 60.8 | 54.0 | 12.9                               | 15.9 | 16.1 | 32.9              | 23.3 | 29.9 |
| Macau                                  | 1992        |                                      | 26.8                         |                                      | 9.2                          | 60.0                                   | 59.2 | 79.4 | 23.3                               | 38.3 | 7.1  | 16.7              | 2.5  | 13.5 |
| Malaysia                               | 1991        |                                      | 18.0                         |                                      | 3.8                          |  | 53.4 | 56.1 |                                    | 11.4 | 9.2  |                   | 36.1 | 34.7 |
| Mauritius                              | 1991        |                                      | 7.9                          | 4.9                                  | 3.3                          | 66.2                                   | 65.7 | 61.0 | 15.1                               | 13.5 | 16.1 | 18.7              | 20.9 | 22.9 |
| Mexico                                 | 1991        |                                      | 16.8                         |                                      | 4.2                          | 49.6                                   | 49.6 | 49.5 | 16.7                               | 12.9 | 12.6 | 33.7              | 37.5 | 37.9 |
| Nepal                                  | 1991        |                                      | 0.7                          |                                      | 0.2                          |  |      | 37.4 |                                    |      | 17.8 |                   |      | 44.8 |
| Panama                                 | 1989        | -6.0                                 | 9.9                          | 0.1                                  | 5.1                          | 61.0                                   | 61.8 | 54.3 | 11.1                               | 17.4 | 23.3 | 27.9              | 20.8 | 22.3 |
| Philippines                            | 1989        |                                      | 10.3                         | 6.3                                  | 2.1                          | 61.7                                   | 72.8 | 58.3 | 12.1                               | 7.8  | 8.4  | 26.3              | 19.4 | 33.3 |
| Republic of Korea                      | 1991        |                                      | 57.1                         | 7.5                                  | 11.8                         | 60.1                                   | 61.6 | 51.7 | 9.1                                | 10.1 | 10.0 | 30.8              | 28.3 | 38.3 |
| Saudi Arabia                           | 1989        |                                      | 25.7                         |                                      | 7.7                          |  |      | 45.6 |                                    |      | 16.4 |                   |      | 35.1 |
| Senegal                                | 1989        | 2.5                                  | 45.2                         | 4.2                                  | 8.8                          |  |      | 52.7 |                                    |      | 9.2  |                   |      | 38.1 |
| Singapore                              | 1992        | -1.6                                 | 54.8                         | 4.5                                  | 15.5                         | 70.0                                   | 65.6 | 67.3 | 7.4                                | 13.1 | 9.3  | 22.6              | 21.2 | 23.4 |
| Sri Lanka                              | 1990        |                                      |                              |                                      |                              | 71.0                                   |      | 71.2 | 14.9                               | 11.9 | 10.0 | 14.2              |      | 16.8 |
| Taiwan Province                        | 1992        |                                      | 38.0                         | 8.6                                  | 14.4                         | 71.0                                   | 64.8 | 64.8 | 9.3                                | 12.9 | 13.3 | 19.7              | 22.3 | 21.8 |
| The f Yugosl Rep of Macedonia          | 1992        |                                      |                              |                                      |                              |  |      | 45.1 |                                    |      | 13.9 |                   |      | 41.0 |
| Thailand                               | 1991        |                                      | 36.0                         |                                      | 4.9                          |  |      | 52.9 |                                    |      | 6.3  |                   |      | 40.7 |
| Turkey                                 | 1991        | 2.3                                  | 30.7                         | 4.5                                  | 7.6                          | 56.1                                   | 58.7 | 46.6 | 12.2                               | 10.6 | 13.2 | 31.6              | 30.7 | 40.2 |
| Uruguay                                | 1990        |                                      | 10.3                         |                                      | 3.2                          | 50.1                                   | 51.5 | 58.1 | 20.0                               | 16.2 | 13.1 | 25.9              | 32.2 | 28.8 |
| Venezuela                              | 1992        |                                      | 17.5                         |                                      | 5.1                          | 42.6                                   | 45.9 | 49.8 | 21.2                               | 21.1 | 14.5 | 36.2              | 32.9 | 35.7 |
| Zambia                                 | 1989        |                                      | 25.1                         |                                      | 7.6                          | 57.2                                   | 51.8 | 52.2 | 9.0                                | 13.8 | 14.4 | 33.8              | 34.5 | 33.4 |
| Zimbabwe                               | 1991        |                                      | 11.6                         | 3.0                                  | 3.4                          | 42.3                                   | 54.9 | 32.8 | 22.8                               | 25.8 | 17.8 | 34.9              | 19.3 | 43.4 |

a. At current prices

TABLE 1.12

## SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Iron and steel (371)                                   |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |
|--|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|-------------------------|------|------|-------------------|------|------|
| Country or area  | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output a/ |      |      | Operating surplus |      |      |
|  |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) |  |      |      |                         |      |      |                   |      |      |
|  |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY                      | 1980 | 1985 | LY                | 1980 | 1985 |
| <b>Industrialized countries b/</b>                     |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |
| Australia  | 1991        |                                      | 62.9                         | 1.1                                  | 28.2                         | 63.6                                   | 66.2 | 66.3 | 20.9                    | 18.4 | 15.1 | 15.4              | 15.4 | 18.6 |
| Austria  | 1991        | 5.6                                  | 54.8                         | 1.7                                  | 29.8                         | 68.4                                   | 64.4 | 59.6 | 23.3                    | 20.6 | 22.0 | 8.3               | 15.1 | 18.4 |
| Belgium  | 1992        | 3.2                                  | 56.6                         | 0.5                                  | 32.2                         | 57.8                                   | 73.5 | 64.1 | 24.5                    | 18.2 | 20.4 | 17.7              | 8.3  | 15.5 |
| Canada   | 1992        | 3.8                                  | 62.8                         | 1.0                                  | 38.4                         | 62.1                                   | 60.2 | 62.2 | 20.3                    | 21.3 | 23.1 | 17.5              | 18.6 | 14.7 |
| Denmark  | 1991        |                                      | 61.7                         | -0.4                                 | 29.8                         | 57.8                                   | 58.1 | 49.8 | 25.6                    | 20.8 | 24.2 | 16.6              | 21.1 | 26.0 |
| Finland  | 1992        | 5.9                                  | 80.1                         | 2.2                                  | 29.7                         | 72.5                                   | 73.4 | 70.1 | 10.1                    | 11.0 | 11.1 | 17.4              | 15.7 | 18.8 |
| France   | 1992        | 1.0                                  | 40.6                         |                                      |                              | 73.7                                   | 76.0 | 71.3 | 20.1                    | 20.3 |      | 6.3               | 3.7  |      |
| Germany, western part                                  | 1992        | 5.4                                  | 76.9                         | 1.2                                  | 35.9                         | 54.1                                   | 56.7 | 49.7 | 24.4                    | 19.7 | 23.6 | 21.5              | 23.6 | 26.8 |
| Greece   | 1992        | 2.6                                  | 43.1                         | 1.5                                  | 20.0                         | 78.8                                   | 79.3 | 79.0 | 7.9                     | 7.6  | 9.8  | 13.3              | 13.2 | 11.3 |
| Ireland  | 1990        |                                      | 59.4                         | 2.5                                  | 26.0                         | 63.6                                   | 67.0 | 65.7 | 25.0                    | 17.4 | 15.0 | 11.4              | 15.6 | 19.3 |
| Israel   | 1991        |                                      | 49.9                         |                                      | 27.5                         | 58.4                                   | 64.0 | 75.2 | 20.6                    | 19.4 | 13.7 | 21.0              | 16.6 | 11.1 |
| Italy  | 1991        | 5.1                                  | 52.6                         |                                      |                              | 62.9                                   | 76.5 | 73.3 | 12.7                    | 11.8 | 20.1 | 24.4              | 11.7 | 6.6  |
| Japan  | 1992        | 2.2                                  | 161.2                        | 1.5                                  | 46.1                         | 66.9                                   | 66.2 | 59.0 | 8.9                     | 10.1 | 11.7 | 24.1              | 23.6 | 29.3 |
| Luxembourg   | 1990        | 6.9                                  | 77.3                         | 2.6                                  | 39.3                         | 64.8                                   | 66.8 | 66.9 | 25.8                    | 15.8 | 16.8 | 9.4               | 17.5 | 16.3 |
| New Zealand  | 1990        |                                      | 33.3                         | -0.5                                 | 24.8                         | 69.9                                   | 74.0 | 70.7 | 16.2                    | 17.6 | 21.8 | 13.9              | 8.4  | 7.6  |
| Norway   | 1992        | 9.1                                  | 51.1                         | 2.6                                  | 42.9                         | 67.4                                   | 73.8 | 75.3 | 20.6                    | 15.3 | 20.7 | 12.1              | 10.9 | 4.0  |
| South Africa   | 1992        | 0.2                                  | 32.0                         | 1.1                                  | 14.2                         | 61.2                                   | 65.7 | 47.1 | 15.3                    | 19.3 | 23.4 | 22.5              | 15.0 | 29.4 |
| Spain  | 1991        |                                      | 43.4                         | 0.9                                  | 25.3                         | 64.5                                   | 74.4 | 70.5 | 18.5                    | 13.3 | 17.2 | 17.0              | 12.4 | 12.3 |
| Sweden   | 1992        | 5.8                                  | 47.8                         | 0.8                                  | 31.5                         | 62.1                                   | 64.7 | 76.1 | 19.8                    | 13.5 | 15.8 | 18.1              | 21.7 | 8.2  |
| United Kingdom   | 1992        | 8.6                                  | 55.3                         | 2.0                                  | 27.0                         | 67.2                                   | 64.3 | 61.0 | 24.4                    | 16.9 | 19.1 | 8.3               | 18.8 | 19.9 |
| United States of America                               | 1991        | 4.1                                  | 69.1                         | -0.9                                 | 33.9                         | 60.3                                   | 60.5 | 60.7 | 21.8                    | 20.9 | 19.3 | 17.8              | 18.6 | 20.1 |
| <b>Countries of eastern Europe and the former USSR</b> |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |
| Bulgaria   | 1992        |                                      |                              |                                      | 2.0                          |  |      |      | 7.1                     | 8.1  | 11.9 |                   |      |      |
| Czech Republic   | 1992        |                                      |                              |                                      | 2.4                          |  |      |      |                         |      | 20.4 |                   |      |      |
| Hungary  | 1992        | 1.0                                  |                              | 0.7                                  | 3.6                          | 81.3                                   | 96.1 |      | 6.6                     | 7.3  | 12.9 | 12.2              | 6.6  |      |
| Latvia   | 1992        |                                      |                              |                                      | 2.3                          |  |      |      |                         |      | 5.2  |                   |      |      |
| Poland   | 1990        | -1.3                                 | 13.9                         |                                      | 1.8                          |  |      | 60.1 |                         |      | 5.0  |                   |      | 34.9 |
| Republic of Moldova                                    | 1991        |                                      |                              |                                      | 2.4                          |  |      |      |                         |      | 9.8  |                   |      |      |
| Romania  | 1989        |                                      | 8.0                          |                                      |                              |  |      | 78.5 |                         |      |      |                   |      |      |
| Ukraine  | 1992        |                                      |                              |                                      | 4.4                          |  |      |      |                         |      | 5.5  |                   |      |      |
| <b>Developing countries</b>                            |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |
| Argentina  | 1990        | 2.4                                  | 44.6                         |                                      | 13.6                         | 52.2                                   | 38.3 | 54.0 | 15.6                    | 16.8 | 14.0 | 32.2              | 44.9 | 32.0 |
| Bahamas  | 1991        |                                      | 21.3                         |                                      | 11.0                         |  |      | 45.2 |                         |      | 28.4 |                   |      | 26.4 |
| Bangladesh   | 1990        | -12.1                                | 3.0                          | 0.6                                  | 1.1                          | 77.7                                   | 77.5 | 85.1 | 4.4                     | 6.1  | 5.6  | 17.9              | 16.3 | 9.4  |
| Brazil   | 1990        | 2.9                                  | 39.6                         |                                      | 8.0                          | 70.9                                   | 65.7 | 65.1 | 6.8                     | 5.9  | 7.1  | 22.3              | 28.4 | 27.8 |
| Chile  | 1991        | 1.1                                  | 37.5                         | 4.3                                  | 8.4                          | 62.8                                   | 55.6 | 54.3 | 7.7                     | 7.4  | 10.2 | 29.5              | 37.0 | 35.5 |
| China  | 1992        |                                      | 3.6                          |                                      |                              | 68.6                                   | 68.5 | 74.9 | 5.8                     | 5.5  |      | 25.6              | 26.0 |      |
| Colombia   | 1991        | 7.2                                  | 28.2                         | 2.1                                  | 3.3                          | 48.4                                   | 56.8 | 55.3 | 10.8                    | 8.0  | 5.2  | 40.8              | 35.2 | 39.6 |
| Costa Rica   | 1991        |                                      | 7.8                          |                                      | 2.2                          | 85.4                                   |      | 57.5 | 3.6                     |      | 9.1  | 11.0              |      | 23.4 |
| Croatia  | 1992        |                                      | 8.7                          |                                      | 2.2                          |  |      | 60.8 |                         |      | 9.8  |                   |      | 29.4 |

a/ At current prices

b/ Excluding countries of eastern Europe and the former USSR

TABLE 1.12  
(continued)

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Iron and steel (371)          |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
|-------------------------------|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|------------------------------------|------|------|-------------------|------|------|
| Country or area               | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |
|                               |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) |  |      |      | Costs of labour                    |      |      | Operating surplus |      |      |
|                               |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY                                 | 1980 | 1985 | LY                | 1980 | 1985 |
| Cuba                          | 1989        |                                      | 3.6                          |                                      | 3.6                          | 74.5                                   | 72.6 | 84.2 | 22.0                               | 16.7 | 16.6 | 3.5               | 10.7 | 0.3  |
| Ecuador                       | 1990        | 0.9                                  | 12.7                         |                                      | 4.5                          | 75.8                                   | 60.8 | 82.6 | 8.0                                | 6.5  | 6.2  | 16.2              | 32.7 | 11.2 |
| Egypt                         | 1989        |                                      | 10.6                         |                                      | 4.4                          | 78.6                                   | 80.4 | 73.7 | 14.8                               | 17.2 | 11.1 | 6.6               | 2.3  | 15.3 |
| El Salvador                   | 1991        |                                      |                              |                                      |                              | 57.7                                   | 45.7 | 63.8 | 9.4                                | 13.7 | 8.6  | 32.9              | 40.7 | 27.6 |
| Ethiopia                      | 1990        |                                      | 5.4                          |                                      | 2.5                          | 69.8                                   | 77.7 | 83.8 | 4.6                                | 3.9  | 7.5  | 25.5              | 18.4 | 8.7  |
| Hong Kong                     | 1991        |                                      | 26.3                         |                                      | 6.5                          | 81.7                                   | 82.8 | 82.0 | 9.3                                | 11.6 | 10.0 | 9.0               | 5.7  | 8.0  |
| India                         | 1990        | 7.2                                  | 5.5                          |                                      | 2.7                          | 81.4                                   | 82.5 | 83.7 | 9.2                                | 8.1  | 6.7  | 9.3               | 9.4  | 10.6 |
| Iran (Islamic Republic of)    | 1990        |                                      |                              |                                      |                              | 56.1                                   | 60.0 | 59.7 | 26.4                               | 23.7 | 11.5 | 17.5              | 16.3 | 28.9 |
| Jordan                        | 1992        |                                      | 15.3                         |                                      | 3.8                          |  | 88.8 | 83.1 | 4.5                                | 4.7  | 4.2  |                   | 6.6  | 12.7 |
| Kuwait                        | 1989        |                                      | 24.0                         |                                      | 7.1                          | 47.4                                   | 50.6 | 51.9 | 36.2                               | 20.6 | 14.2 | 16.4              | 28.9 | 33.9 |
| Malaysia                      | 1991        |                                      | 20.8                         |                                      | 4.6                          |  | 75.4 | 81.1 |                                    | 7.0  | 4.2  |                   | 17.6 | 14.7 |
| Mauritius                     | 1991        |                                      | 4.4                          | 0.2                                  | 2.9                          | 79.9                                   | 76.8 | 82.0 | 7.7                                | 8.8  | 11.8 | 12.4              | 14.4 | 6.1  |
| Mexico                        | 1991        |                                      | 59.6                         |                                      | 11.4                         | 65.8                                   | 64.7 | 64.7 | 12.9                               | 7.4  | 6.7  | 21.3              | 27.9 | 26.6 |
| Nepal                         | 1991        |                                      | 6.3                          |                                      | 0.6                          |  |      | 75.3 |                                    |      | 2.4  |                   |      | 22.4 |
| Panama                        | 1989        |                                      | 13.6                         |                                      | 5.0                          | 75.0                                   | 55.3 | 63.3 | 6.9                                | 15.3 | 13.6 | 19.1              | 29.4 | 23.2 |
| Philippines                   | 1989        |                                      | 11.6                         | 7.9                                  | 2.9                          | 81.1                                   | 68.0 | 82.6 | 4.4                                | 4.2  | 4.3  | 14.5              | 27.8 | 13.1 |
| Qatar                         | 1992        |                                      | 83.9                         |                                      | 19.6                         |  |      | 48.7 |                                    |      | 12.0 |                   |      | 39.3 |
| Republic of Korea             | 1991        |                                      | 84.2                         | 8.1                                  | 15.7                         | 73.1                                   | 69.2 | 61.3 | 5.9                                | 5.5  | 7.2  | 21.0              | 25.3 | 31.6 |
| Saudi Arabia                  | 1989        |                                      | 123.6                        |                                      | 25.9                         |  |      | 49.5 |                                    |      | 10.6 |                   |      | 39.9 |
| Singapore                     | 1992        | 4.5                                  | 69.4                         | 4.6                                  | 20.3                         | 60.8                                   | 66.5 | 62.0 | 8.2                                | 11.5 | 11.1 | 31.0              | 19.9 | 26.9 |
| Sri Lanka                     | 1990        |                                      |                              |                                      |                              | 89.2                                   |      | 68.2 | 6.1                                |      | 9.6  | 4.7               |      | 22.3 |
| Taiwan Province               | 1992        |                                      | 61.0                         | 7.2                                  | 17.7                         | 70.1                                   | 64.1 | 62.7 | 7.5                                | 8.7  | 10.8 | 22.4              | 27.2 | 26.5 |
| The Yugoslav Rep of Macedonia | 1992        |                                      |                              |                                      |                              |  |      | 81.1 |                                    |      | 9.1  |                   |      | 9.7  |
| Thailand                      | 1991        |                                      | 32.9                         |                                      | 3.7                          |  |      | 65.4 |                                    |      | 3.9  |                   |      | 30.7 |
| Turkey                        | 1991        | 9.0                                  | 30.9                         | 5.4                                  | 15.5                         | 64.3                                   | 75.5 | 69.6 | 16.3                               | 6.6  | 15.3 | 19.4              | 17.9 | 15.1 |
| Uruguay                       | 1990        |                                      | 25.4                         | 2.0                                  | 3.9                          | 78.0                                   | 49.8 | 46.1 | 14.4                               | 9.5  | 8.4  | 7.6               | 40.7 | 45.6 |
| Venezuela                     | 1992        |                                      | 30.6                         | 4.7                                  | 4.7                          | 61.3                                   | 52.4 | 50.0 | 16.7                               | 16.8 | 7.6  | 22.0              | 30.9 | 42.3 |
| Zambia                        | 1989        | -4.9                                 | 7.4                          | 2.2                                  | 5.5                          | 48.5                                   | 58.9 | 61.9 | 21.3                               | 26.0 | 28.6 | 30.2              | 15.1 | 9.5  |
| Zimbabwe                      | 1991        |                                      | 12.5                         | 1.0                                  | 5.2                          | 53.9                                   | 57.7 | 49.4 | 18.1                               | 24.6 | 20.9 | 26.0              | 17.8 | 29.7 |

a/ At current prices

TABLE 1.12

## SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Country or area  | Latest year | Non-ferrous metals (372)             |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |    |
|--|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|-------------------------|------|------|-------------------|------|------|----|
|  |             | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output a/ |      |      | Operating surplus |      |      |    |
|  |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) |  |      |      | Costs of labour         |      |      | Operating surplus |      |      |    |
|  |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY                      | 1980 | 1985 | LY                | 1980 | 1985 | LY |
| <b>Industrialized countries b/</b>                     |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |    |
| Australia  | 1991        |                                      |                              | 1.2                                  | 29.7                         | 70.7                                   | 70.1 |      | 8.8                     | 10.4 | 8.8  | 20.6              | 19.6 |      |    |
| Austria  | 1991        | 3.2                                  | 47.9                         | 2.0                                  | 29.5                         | 74.5                                   | 75.2 | 81.0 | 13.3                    | 12.4 | 11.7 | 12.2              | 12.4 | 7.3  |    |
| Belgium  | 1992        | 4.3                                  | 80.0                         | 0.5                                  | 32.2                         | 84.3                                   | 80.6 | 76.0 | 10.3                    | 8.0  | 9.6  | 5.4               | 11.4 | 14.3 |    |
| Canada   | 1992        | 5.7                                  | 68.7                         | 1.6                                  | 40.4                         | 65.1                                   | 59.4 | 62.7 | 15.0                    | 20.9 | 22.0 | 19.9              | 19.7 | 15.4 |    |
| Denmark  | 1991        |                                      | 31.7                         | -0.8                                 | 27.8                         | 63.8                                   | 70.2 | 61.0 | 23.3                    | 17.2 | 28.8 | 12.9              | 12.6 | 10.2 |    |
| Finland  | 1992        | 5.4                                  | 74.9                         | 2.2                                  | 30.7                         | 85.8                                   | 88.0 | 82.0 | 6.9                     | 7.7  | 7.4  | 7.3               | 4.3  | 10.6 |    |
| France   | 1992        | 3.7                                  | 102.2                        |                                      |                              | 79.9                                   | 70.2 | 68.1 | 14.0                    | 15.3 |      | 6.1               | 14.5 |      |    |
| Germany, western part                                  | 1992        | 2.8                                  | 75.0                         | 1.4                                  | 37.2                         | 83.9                                   | 66.7 | 59.1 | 13.7                    | 14.8 | 20.3 | 2.4               | 18.5 | 20.6 |    |
| Greece   | 1992        | 0.2                                  | 52.3                         | -0.1                                 | 23.9                         | 88.4                                   | 68.7 | 75.2 | 9.9                     | 11.5 | 11.3 | 21.7              | 19.8 | 13.5 |    |
| Ireland  | 1990        |                                      | 50.9                         | -1.2                                 | 18.1                         | 73.9                                   | 73.6 | 78.5 | 14.6                    | 11.8 | 7.6  | 11.4              | 14.6 | 13.9 |    |
| Israel   | 1991        |                                      | 32.1                         |                                      | 19.4                         | 57.3                                   | 66.1 | 64.7 | 17.5                    | 20.4 | 21.3 | 25.1              | 23.5 | 14.0 |    |
| Italy  | 1991        | 5.3                                  | 46.7                         |                                      |                              | 51.9                                   | 79.0 | 77.5 | 19.9                    | 9.5  | 19.5 | 28.2              | 11.5 | 2.9  |    |
| Japan  | 1992        | 3.6                                  | 106.4                        | 1.8                                  | 40.1                         | 74.2                                   | 73.4 | 65.5 | 7.0                     | 9.9  | 12.6 | 18.8              | 16.8 | 20.9 |    |
| Luxembourg   | 1990        |                                      | 56.2                         | 1.3                                  | 30.3                         | 79.8                                   | 75.8 | 74.3 | 8.7                     | 13.0 | 13.9 | 11.5              | 11.3 | 11.9 |    |
| New Zealand  | 1990        |                                      | 43.3                         | 0.1                                  | 22.6                         | 68.4                                   | 66.9 | 70.6 | 17.4                    | 13.8 | 15.4 | 14.2              | 19.3 | 14.1 |    |
| Norway   | 1992        | 5.9                                  | 68.9                         | 3.5                                  | 48.4                         | 66.3                                   | 70.1 | 78.0 | 11.3                    | 11.7 | 15.4 | 22.4              | 18.2 | 6.5  |    |
| South Africa   | 1992        | 1.1                                  | 44.8                         | -0.4                                 | 11.6                         | 46.4                                   | 53.6 | 48.8 | 15.1                    | 11.4 | 13.3 | 38.5              | 35.1 | 37.9 |    |
| Spain  | 1991        |                                      | 50.3                         | 0.8                                  | 24.9                         | 75.3                                   | 73.7 | 78.4 | 9.3                     | 8.5  | 11.7 | 15.4              | 17.7 | 11.9 |    |
| Sweden   | 1992        | 2.1                                  | 63.2                         | 0.4                                  | 27.8                         | 79.0                                   | 74.7 | 75.0 | 10.6                    | 10.4 | 11.0 | 10.4              | 14.9 | 14.0 |    |
| United Kingdom   | 1992        | 5.3                                  | 51.7                         | 1.7                                  | 25.5                         | 74.6                                   | 74.7 | 71.0 | 13.2                    | 12.4 | 14.9 | 12.2              | 13.0 | 14.2 |    |
| United States of America                               | 1991        | 2.6                                  | 65.8                         | -0.8                                 | 30.5                         | 71.0                                   | 71.5 | 70.5 | 11.9                    | 15.5 | 13.5 | 17.1              | 13.0 | 15.8 |    |
| <b>Countries of eastern Europe and the former USSR</b> |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |    |
| Armenia  | 1991        |                                      | 6.1                          |                                      | 2.6                          |  |      | 68.5 |                         |      | 13.5 |                   |      | 17.9 |    |
| Bulgaria   | 1992        |                                      |                              |                                      | 1.9                          |  |      |      | 4.5                     | 3.5  | 7.4  |                   |      |      |    |
| Czech Republic   | 1992        |                                      |                              |                                      | 2.2                          |  |      |      |                         |      | 11.4 |                   |      |      |    |
| Hungary  | 1992        | 0.4                                  |                              | 1.4                                  | 4.2                          | 77.2                                   | 91.9 |      | 4.0                     | 5.3  | 9.4  | 18.8              | 2.8  |      |    |
| Kyrgyzstan   | 1992        |                                      |                              |                                      | 2.0                          |  |      |      |                         |      | 11.1 |                   |      |      |    |
| Latvia   | 1992        |                                      |                              |                                      | 1.5                          |  |      |      |                         |      | 8.4  |                   |      |      |    |
| Poland   | 1990        | 0.9                                  | 31.7                         |                                      | 1.8                          |  |      | 59.2 |                         |      | 2.3  |                   |      | 36.4 |    |
| Ukraine  | 1992        |                                      |                              |                                      | 3.4                          |  |      |      |                         |      | 7.9  |                   |      |      |    |
| <b>Developing countries</b>                            |             |                                      |                              |                                      |                              |  |      |      |                         |      |      |                   |      |      |    |
| Argentina  | 1990        | 4.5                                  | 50.0                         |                                      | 8.3                          | 59.9                                   | 45.6 | 52.5 | 7.8                     | 8.8  | 7.9  | 32.3              | 45.7 | 39.5 |    |
| Bangladesh   | 1990        |                                      | 1.0                          |                                      | 0.4                          |  |      | 75.2 |                         |      | 9.5  |                   |      | 15.2 |    |
| Bolivia  | 1991        | 5.1                                  | 12.2                         |                                      | 2.9                          | 75.3                                   | 94.8 | 85.3 | 1.5                     | 0.5  | 3.5  | 23.1              | 4.6  | 11.2 |    |
| Brazil   | 1990        | 5.7                                  | 39.7                         |                                      | 7.5                          | 72.8                                   | 65.4 | 64.8 | 6.1                     | 5.5  | 5.7  | 21.1              | 28.9 | 28.5 |    |
| Chile  | 1991        | 3.1                                  | 175.5                        | 4.5                                  | 11.7                         | 48.8                                   | 45.9 | 55.4 | 3.2                     | 2.5  | 2.2  | 48.1              | 51.7 | 31.4 |    |
| China  | 1992        |                                      | 3.4                          |                                      |                              | 72.8                                   | 74.0 | 80.5 | 4.2                     | 3.8  |      | 23.0              | 22.4 |      |    |
| Colombia   | 1991        | 2.5                                  | 23.0                         | 2.2                                  | 2.7                          | 61.8                                   | 55.5 | 55.9 | 7.0                     | 5.9  | 5.1  | 31.2              | 36.6 | 38.0 |    |
| Costa Rica   | 1991        |                                      | 4.1                          |                                      | 3.1                          | 78.2                                   |      | 75.8 | 3.6                     |      | 18.5 | 18.1              |      | 5.8  |    |
| Croatia  | 1992        |                                      | 18.8                         |                                      | 2.0                          |  |      | 58.4 |                         |      | 4.3  |                   |      | 37.3 |    |

a/ At current prices.

b/ Excluding countries of eastern Europe and the former USSR.



TABLE 1.12  
(continued)

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Non-ferrous metals (372)      |             |                                      |                              |                                      |                              |  |      |      |                 |      |      |                   |      |      |
|-------------------------------|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|-----------------|------|------|-------------------|------|------|
| Country or area               | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Percentage in output <sup>a/</sup>     |      |      |                 |      |      |                   |      |      |
|                               |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) | Costs of input materials and utilities |      |      | Costs of labour |      |      | Operating surplus |      |      |
|                               |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY              | 1980 | 1985 | LY                | 1980 | 1985 |
| Cuba                          | 1989        | 5.9                                  | 3.8                          |                                      | 3.3                          | 66.8                                   | 70.6 | 80.1 | 25.6            | 24.3 | 17.4 | 7.6               | 6.1  | 2.6  |
| Ecuador                       | 1990        | ...                                  | 8.2                          | 2.8                                  | 4.6                          | 73.5                                   | 70.1 | 89.8 | 7.2             | 7.9  | 5.7  | 19.3              | 22.0 | 4.6  |
| Egypt                         | 1989        | ...                                  | 14.7                         | ...                                  | 4.5                          | 82.2                                   | 32.5 | 72.3 | 10.1            | 13.6 | 8.6  | 7.7               | 63.9 | 19.2 |
| Hong Kong                     | 1991        | ...                                  | 35.6                         | 1.0                                  | 14.0                         | 76.7                                   | 79.5 | 85.6 | 8.8             | 10.4 | 5.6  | 14.4              | 10.1 | 8.8  |
| India                         | 1990        | -3.1                                 | 4.0                          | -0.5                                 | 1.4                          | 92.8                                   | 91.5 | 82.3 | 7.2             | 6.8  | 5.4  | 0.1               | 1.7  | 11.4 |
| Iran (Islamic Republic of)    | 1990        | ...                                  | ...                          | ...                                  | ...                          | 55.1                                   | 58.4 | 56.6 | 29.1            | 16.6 | 6.0  | 16.8              | 26.1 | 37.4 |
| Jordan                        | 1992        | ...                                  | 11.7                         | ...                                  | 4.6                          | ...                                    | 77.6 | 84.8 | 7.2             | 7.4  | 6.0  | ...               | 15.1 | 9.1  |
| Malaysia                      | 1991        | ...                                  | 11.4                         | ...                                  | 3.9                          | ...                                    | 93.6 | 86.2 | ...             | 2.6  | 4.8  | ...               | 3.8  | 9.1  |
| Mexico                        | 1991        | ...                                  | 24.3                         | ...                                  | 6.6                          | 60.4                                   | 60.6 | 60.7 | 10.3            | 8.2  | 10.6 | 29.3              | 31.2 | 28.7 |
| Panama                        | 1989        | ...                                  | 19.3                         | ...                                  | 8.6                          | 78.0                                   | 67.1 | 63.6 | 6.3             | 18.3 | 16.3 | 16.7              | 24.6 | 20.1 |
| Philippines                   | 1989        | ...                                  | 14.7                         | ...                                  | 6.0                          | 70.4                                   | 90.6 | 92.7 | 6.3             | 1.7  | 1.4  | 23.3              | 7.7  | 5.9  |
| Republic of Korea             | 1991        | ...                                  | 46.7                         | ...                                  | 6.9                          | 70.9                                   | 75.6 | 70.6 | 8.0             | 7.8  | 7.6  | 21.0              | 16.7 | 21.8 |
| Singapore                     | 1992        | -5.3                                 | 58.3                         | 2.8                                  | 19.9                         | 89.4                                   | 83.9 | 63.9 | 3.7             | 5.2  | 12.3 | 6.9               | 10.9 | 23.7 |
| Sri Lanka                     | 1990        | ...                                  | ...                          | ...                                  | ...                          | 71.9                                   | ...  | 68.1 | 8.8             | 17.2 | 3.7  | 19.3              | ...  | 28.2 |
| Taiwan Province               | 1992        | ...                                  | 25.7                         | ...                                  | 6.1                          | 83.4                                   | 89.0 | 86.7 | 4.1             | 5.0  | 7.3  | 12.4              | 6.0  | 6.0  |
| The f Yugosl Rep of Macedonia | 1992        | ...                                  | ...                          | ...                                  | ...                          | ...                                    | ...  | 45.6 | ...             | ...  | 13.3 | ...               | ...  | 41.0 |
| Thailand                      | 1991        | ...                                  | 25.2                         | ...                                  | 5.7                          | ...                                    | ...  | 81.4 | ...             | ...  | 4.2  | ...               | ...  | 14.4 |
| Turkey                        | 1991        | 10.1                                 | 26.4                         | 4.4                                  | 10.7                         | 62.1                                   | 74.2 | 62.7 | 13.9            | 8.6  | 16.2 | 24.0              | 17.2 | 22.1 |
| Uruguay                       | 1990        | 15.3                                 | 15.8                         | 5.9                                  | 4.1                          | 55.9                                   | 44.8 | 52.0 | 11.8            | 9.9  | 12.6 | 32.4              | 45.3 | 35.4 |
| Venezuela                     | 1992        | ...                                  | 24.9                         | ...                                  | 6.6                          | 59.2                                   | 61.2 | 74.1 | 13.4            | 7.8  | 6.9  | 27.4              | 31.0 | 19.0 |
| Zambia                        | 1989        | -3.8                                 | 12.1                         | 2.3                                  | 5.3                          | 64.9                                   | 72.2 | 74.4 | 8.2             | 10.1 | 11.1 | 26.9              | 17.7 | 14.6 |
| Zimbabwe                      | 1991        | ...                                  | 9.3                          | ...                                  | 3.9                          | ...                                    | 53.6 | 62.7 | ...             | 14.4 | 15.6 | ...               | 32.0 | 21.7 |

a/ At current prices

TABLE 1.12

## SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Country or area                                 | Latest year (LY) | Value added per employee             |      |                      |      | Wages per employee                   |                      | Metal products (381)                   |      |      |                 |      |      |                   |      |    |
|---|------------------|--------------------------------------|------|----------------------|------|--------------------------------------|----------------------|--|------|------|-----------------|------|------|-------------------|------|----|
|   |                  | Real annual growth rate (percentage) |      | Value (1000 dollars) |      | Real annual growth rate (percentage) | Value (1000 dollars) | Costs of input materials and utilities |      |      | Costs of labour |      |      | Operating surplus |      |    |
|   |                  | 1980-LY                              | LY   | 1980-LY              | LY   | 1980-LY                              | LY                   | 1980                                   | 1985 | LY   | 1980            | 1985 | LY   | 1980              | 1985 | LY |
| Industrialized countries D/                     |                  |                                      |      |                      |      |                                      |                      |  |      |      |                 |      |      |                   |      |    |
| Australia                                       | 1991             | 0.8                                  | 43.3 | 0.7                  | 21.2 | 56.6                                 | 58.2                 | 23.9                                   | 23.0 | 21.4 | 19.5            | 18.8 | 22.3 |                   |      |    |
| Austria   | 1991             | 5.0                                  | 43.5 | 2.1                  | 25.7 | 59.6                                 | 60.4                 | 25.1                                   | 24.6 | 24.8 | 15.3            | 15.0 | 17.1 |                   |      |    |
| Belgium   | 1992             | 3.2                                  | 42.7 | 0.1                  | 23.8 |                                      |                      |  |      |      |                 |      |      |                   |      |    |
| Canada  | 1992             | 1.3                                  | 47.5 | -0.6                 | 26.2 | 58.0                                 | 56.7                 | 21.6                                   | 21.3 | 24.5 | 20.5            | 22.0 | 19.9 |                   |      |    |
| Denmark   | 1991             | 2.2                                  | 42.9 | -0.3                 | 28.4 | 49.7                                 | 52.9                 | 34.3                                   | 30.4 | 33.9 | 15.9            | 16.7 | 17.3 |                   |      |    |
| Finland   | 1992             | 5.0                                  | 48.0 | 1.8                  | 24.8 | 50.3                                 | 48.0                 | 24.0                                   | 26.2 | 23.0 | 25.7            | 26.8 | 21.6 |                   |      |    |
| France  | 1992             | 0.7                                  | 63.3 | 1.1                  | 33.4 | 52.1                                 | 53.3                 | 34.1                                   | 33.7 | 33.7 | 13.8            | 12.9 | 26.2 |                   |      |    |
| Germany, western part                           | 1992             | -0.6                                 | 67.3 | 0.4                  | 12.4 | 84.0                                 | 51.0                 | 27.7                                   | 26.3 | 25.8 | 15.6            | 22.7 | 26.2 |                   |      |    |
| Greece  | 1992             | 0.8                                  | 27.8 | 0.4                  | 18.3 | 63.7                                 | 56.4                 | 16.6                                   | 16.9 | 17.0 | 18.6            | 18.6 | 21.8 |                   |      |    |
| Ireland   | 1990             | 1.3                                  | 37.4 | 0.8                  | 18.3 | 53.7                                 | 56.4                 | 23.6                                   | 22.1 | 20.9 | 22.8            | 21.4 | 21.8 |                   |      |    |
| Israel  | 1991             | 2.0                                  | 30.3 | 2.1                  | 21.8 | 43.2                                 | 51.1                 | 30.9                                   | 29.2 | 33.7 | 25.9            | 19.7 | 13.2 |                   |      |    |
| Italy   | 1991             | -0.1                                 | 50.4 | 2.2                  | 34.0 | 55.2                                 | 61.3                 | 16.9                                   | 18.4 | 26.7 | 28.0            | 20.3 | 11.8 |                   |      |    |
| Japan   | 1992             | 0.1                                  | 87.8 | 2.2                  | 26.5 | 56.0                                 | 56.5                 | 17.5                                   | 18.6 | 18.1 | 26.5            | 25.9 | 28.5 |                   |      |    |
| Luxembourg                                      | 1990             | 3.1                                  | 43.5 | 2.6                  | 26.5 | 50.1                                 | 69.2                 | 31.6                                   | 17.0 | 23.9 | 18.3            | 13.8 | 15.3 |                   |      |    |
| Netherlands                                     | 1990             | 1.6                                  | 44.4 | 2.1                  | 30.4 | 59.7                                 | 63.3                 | 26.7                                   | 27.1 | 24.9 | 14.6            | 9.0  | 11.5 |                   |      |    |
| New Zealand                                     | 1990             | 3.1                                  | 26.7 | 0.0                  | 16.5 | 83.9                                 | 87.5                 | 21.2                                   | 19.1 | 20.3 | 15.0            | 13.4 | 12.4 |                   |      |    |
| Norway  | 1992             | 1.6                                  | 42.2 | 2.1                  | 38.2 | 56.8                                 | 59.9                 | 28.8                                   | 28.1 | 33.4 | 14.4            | 12.0 | 5.6  |                   |      |    |
| South Africa                                    | 1992             | -2.0                                 | 13.3 | -0.9                 | 8.4  | 56.8                                 | 67.2                 | 26.0                                   | 22.9 | 22.6 | 18.2            | 9.9  | 13.2 |                   |      |    |
| Spain   | 1991             | 3.9                                  | 40.3 | 1.4                  | 19.1 | 53.8                                 | 56.7                 | 22.1                                   | 20.5 | 19.8 | 24.1            | 23.7 | 22.0 |                   |      |    |
| Sweden  | 1992             | 2.7                                  | 53.3 | 2.0                  | 27.8 | 47.1                                 | 47.7                 | 20.1                                   | 20.1 | 25.4 | 29.4            | 32.2 | 18.5 |                   |      |    |
| United Kingdom                                  | 1992             | 3.6                                  | 46.6 | 2.0                  | 24.6 | 53.3                                 | 52.6                 | 26.4                                   | 24.0 | 25.9 | 21.3            | 23.2 | 23.2 |                   |      |    |
| United States of America                        | 1991             | 2.9                                  | 55.3 | -0.3                 | 25.4 | 50.7                                 | 50.7                 | 22.2                                   | 23.0 | 22.3 | 27.2            | 26.4 | 26.2 |                   |      |    |
| Countries of eastern Europe and the former USSR |                  |                                      |      |                      |      |                                      |                      |  |      |      |                 |      |      |                   |      |    |
| Armenia   | 1991             |                                      |      |                      | 2.1  |                                      |                      |  |      | 19.2 |                 |      |      |                   |      |    |
| Bulgaria  | 1992             |                                      |      |                      | 1.2  |                                      |                      | 11.1                                   | 8.6  | 19.2 |                 |      |      |                   |      |    |
| Czech Republic                                  | 1992             |                                      |      |                      | 2.0  |                                      |                      |  |      | 27.9 |                 |      |      |                   |      |    |
| Hungary   | 1992             |                                      |      | 1.4                  | 3.1  | 70.3                                 | 64.2                 | 11.2                                   | 11.7 | 22.0 | 18.6            | 24.1 | 35.1 |                   |      |    |
| Latvia  | 1992             |                                      |      |                      | 1.6  |                                      |                      |  |      | 20.5 |                 |      |      |                   |      |    |
| Poland  | 1990             |                                      |      |                      | 1.2  |                                      |                      |  |      | 9.5  |                 |      |      |                   |      |    |
| Republic of Moldova                             | 1991             |                                      |      |                      | 1.9  |                                      |                      |  |      | 22.4 |                 |      |      |                   |      |    |
| Romania   | 1991             |                                      |      |                      | 1.1  |                                      |                      |  |      | 14.3 |                 |      | 19.6 |                   |      |    |
| Developing countries                            |                  |                                      |      |                      |      |                                      |                      |  |      |      |                 |      |      |                   |      |    |
| Argentina                                       | 1990             | 0.9                                  | 21.1 |                      | 6.8  | 53.4                                 | 38.7                 | 17.6                                   | 15.7 | 18.0 | 20.0            | 46.6 | 37.5 |                   |      |    |
| Bangladesh                                      | 1990             |                                      |      | -2.1                 | 0.5  | 74.9                                 | 69.7                 | 11.2                                   | 11.9 | 9.4  | 13.9            | 18.4 | 15.6 |                   |      |    |
| Barbados  | 1992             |                                      |      | 4.3                  | 11.6 | 77.0                                 | 76.6                 | 10.6                                   | 18.9 | 25.1 | 12.3            | 6.6  | 1.6  |                   |      |    |
| Belize  | 1992             |                                      |      |                      | 5.3  |                                      |                      |  |      | 15.1 |                 |      | 5.6  |                   |      |    |
| Bolivia   | 1991             | 1.9                                  | 10.5 |                      | 1.6  | 70.8                                 | 45.6                 | 8.4                                    | 9.0  | 5.6  | 20.8            | 46.3 | 31.3 |                   |      |    |
| Brazil  | 1990             |                                      |      |                      | 4.9  | 51.6                                 | 46.7                 | 18.6                                   | 12.9 | 15.4 | 31.8            | 40.4 | 38.8 |                   |      |    |
| Burundi   | 1991             |                                      |      |                      | 4.1  | 55.1                                 | 55.1                 | 28.6                                   | 28.6 | 6.9  | 16.1            | 16.1 | 6.3  |                   |      |    |
| Chile   | 1991             | -1.1                                 | 16.7 | 1.4                  | 4.9  | 46.7                                 | 55.2                 | 15.9                                   | 11.6 | 11.3 | 37.4            | 33.2 | 27.1 |                   |      |    |

D/ At current prices

b/ Excluding countries of eastern Europe and the former USSR

TABLE 1.12  
continued.

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Country or area                           | Latest year | Metal products (381)                 |                    |         |                                      |                    |      |  |      |      |                                    |      |      |                   |      |      |
|---|-------------|--------------------------------------|--------------------|---------|--------------------------------------|--------------------|------|--|------|------|------------------------------------|------|------|-------------------|------|------|
|   |             | Value added per employee             |                    |         | Wages per employee                   |                    |      | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |
|   |             | Real annual growth rate (percentage) | Value 1000 dollars | LY      | Real annual growth rate (percentage) | Value 1000 dollars | LY   | 1980                                   | 1985 | LY   | 1980                               | 1985 | LY   | 1980              | 1985 | LY   |
|   |             | 1980-LY                              | LY                 | 1980-LY | LY                                   | 1980               | 1985 | LY                                     | 1980 | 1985 | LY                                 | 1980 | 1985 | LY                | 1985 | LY   |
| China                                     | 1992        |                                      | 6.3                |         |                                      |                    | 57.1 | 55.8                                   | 74.8 |      | 2.3                                | 2.6  |      | 40.5              | 31.6 |      |
| Colombia                                  | 1991        | 2.7                                  | 10.1               |         | 1.4                                  | 2.1                | 57.5 | 56.8                                   | 56.9 |      | 11.9                               | 10.6 | 9.0  | 30.6              | 32.6 | 34.1 |
| Costa Rica                                | 1991        |                                      | 4.4                |         |                                      | 1.9                | 75.0 | 75.9                                   | 77.0 |      | 17.6                               | 13.5 | 10.2 | 7.4               | 10.6 |      |
| Croatia                                   | 1992        |                                      | 9.2                |         |                                      | 2.4                |      |  | 50.5 |      |                                    |      | 12.6 |                   |      | 36.9 |
| Cuba                                      | 1989        |                                      | 3.8                |         |                                      | 3.0                | 45.3 | 58.6                                   | 68.2 |      | 15.4                               | 18.1 | 25.0 | 39.3              | 23.3 | 6.8  |
| Cyprus                                    | 1992        | -0.6                                 | 22.1               |         | 3.9                                  | 11.0               | 63.3 | 65.3                                   | 64.8 |      | 16.5                               | 16.4 | 17.6 | 20.2              | 18.3 | 17.6 |
| Ecuador                                   | 1990        | 6.3                                  | 6.6                |         |                                      | 2.8                | 59.4 | 64.0                                   | 70.5 |      | 16.4                               | 14.8 | 12.4 | 24.3              | 21.1 | 17.1 |
| Egypt                                     | 1989        | 3.1                                  | 8.8                |         |                                      | 3.4                | 76.2 | 70.1                                   | 64.8 |      | 18.2                               | 19.6 | 13.7 | 5.6               | 10.3 | 21.5 |
| El Salvador                               | 1991        |                                      |                    |         |                                      |                    | 56.1 | 47.1                                   | 37.7 |      | 20.6                               | 12.8 | 11.5 | 23.2              | 40.1 | 61.3 |
| Ethiopia                                  | 1990        |                                      | 5.0                |         | 1.4                                  | 2.6                | 66.3 | 53.0                                   | 54.3 |      | 9.0                                | 12.0 | 23.7 | 24.7              | 36.0 | 22.1 |
| Fiji                                      | 1990        |                                      | 7.2                |         |                                      | 3.3                | 78.1 | 78.3                                   | 78.5 |      | 13.6                               | 11.1 | 9.9  | 10.3              | 10.6 | 11.6 |
| Hong Kong                                 | 1991        | 11.2                                 | 16.4               |         | 3.6                                  | 8.6                | 81.0 | 66.6                                   | 70.5 |      | 20.7                               | 21.2 | 15.5 | 18.3              | 12.2 | 14.0 |
| India                                     | 1990        | 3.7                                  | 2.6                |         |                                      | 1.2                | 76.2 | 77.6                                   | 81.6 |      | 11.2                               | 11.1 | 8.6  | 12.6              | 11.2 | 9.7  |
| Indonesia                                 | 1989        | 2.0                                  | 8.7                |         | 5.9                                  | 1.0                | 74.0 | 70.5                                   | 64.1 |      | 7.5                                | 7.7  | 4.3  | 18.6              | 21.8 | 31.6 |
| Iran (Islamic Republic of)                | 1990        |                                      |                    |         |                                      |                    | 53.3 | 46.5                                   | 61.9 |      | 30.3                               | 28.0 | 14.3 | 16.4              | 26.4 | 23.8 |
| Jordan                                    | 1992        |                                      | 8.2                |         |                                      | 2.1                |      |  | 33.4 |      | 14.5                               | 15.1 | 16.8 |                   |      | 49.9 |
| Kenya                                     | 1991        | 2.7                                  | 5.2                |         |                                      | 2.2                | 76.4 | 86.9                                   | 83.1 |      | 14.5                               | 6.0  | 7.1  | 9.1               | 7.1  | 9.7  |
| Kuwait                                    | 1989        |                                      | 14.5               |         |                                      | 8.0                | 43.8 | 60.0                                   | 62.0 |      | 19.9                               | 19.6 | 21.0 | 36.4              | 20.5 | 17.0 |
| Macao                                     | 1992        |                                      | 10.8               |         |                                      | 5.8                | 58.9 | 56.9                                   | 59.3 |      | 25.2                               | 26.6 | 21.7 | 15.9              | 16.6 | 19.0 |
| Malaysia                                  | 1991        |                                      | 10.7               |         |                                      | 3.3                |      |  | 68.7 |      | 72.1                               | 13.2 | 8.6  |                   | 18.1 | 19.3 |
| Malta                                     | 1990        | 7.3                                  | 21.2               |         | 0.6                                  | 8.7                | 61.5 | 62.4                                   | 63.3 |      | 23.6                               | 24.5 | 16.1 | 14.9              | 13.1 | 21.6 |
| Mauritius                                 | 1991        |                                      | 5.7                |         | -1.1                                 | 2.5                | 63.5 | 62.8                                   | 56.6 |      | 14.0                               | 13.5 | 11.6 | 22.5              | 23.7 | 32.9 |
| Mexico                                    | 1991        |                                      | 22.5               |         |                                      | 7.3                | 51.4 | 50.2                                   | 50.1 |      | 19.7                               | 16.3 | 16.1 | 28.9              | 34.5 | 33.8 |
| Morocco                                   | 1992        | -3.2                                 | 8.9                |         | -2.4                                 | 4.3                | 72.3 | 68.9                                   | 74.3 |      | 18.8                               | 15.9 | 12.4 | 8.9               | 15.2 | 13.3 |
| Nepal                                     | 1991        |                                      | 2.6                |         |                                      | 0.6                |      |  | 71.2 |      |                                    |      | 5.6  |                   |      | 23.2 |
| Panama                                    | 1989        |                                      | 14.4               |         |                                      | 4.6                |      |  | 64.7 |      | 65.7                               |      | 13.6 |                   | 21.7 | 23.2 |
| Philippines                               | 1989        |                                      | 4.5                |         | 3.5                                  | 1.6                | 69.5 | 76.3                                   | 69.0 |      | 9.2                                | 9.2  | 10.9 | 21.3              | 14.6 | 20.2 |
| Republic of Korea                         | 1991        | -0.8                                 | 32.8               |         | 8.1                                  | 11.2               | 60.0 | 59.9                                   | 58.1 |      | 16.1                               | 14.6 | 14.3 | 23.9              | 26.4 | 27.6 |
| Saudi Arabia                              | 1989        |                                      | 16.2               |         |                                      | 7.7                |      |  | 78.1 |      |                                    |      | 10.4 |                   |      | 11.6 |
| Senegal                                   | 1989        | 2.0                                  | 11.3               |         | 1.7                                  | 5.7                |      |  | 66.9 |      |                                    |      | 16.6 |                   |      | 16.6 |
| Singapore                                 | 1992        | -0.2                                 | 33.5               |         | 5.7                                  | 14.3               | 66.0 | 62.6                                   | 62.3 |      | 13.0                               | 17.6 | 16.1 | 21.1              | 19.9 | 21.6 |
| Slovenia                                  | 1992        |                                      | 11.6               |         |                                      | 9.6                |      |  | 82.2 |      |                                    |      | 31.2 |                   |      | 6.6  |
| Sri Lanka                                 | 1990        |                                      |                    |         |                                      |                    | 57.4 |  | 63.6 |      | 14.7                               | 22.8 | 7.8  | 27.9              |      | 28.7 |
| Swaziland                                 | 1990        |                                      | 8.7                |         | -0.6                                 | 4.4                | 74.8 | 67.1                                   | 70.8 |      | 12.6                               | 15.3 | 14.6 | 12.6              | 17.6 | 14.6 |
| Taiwan Province                           | 1992        | 1.5                                  | 16.3               |         | 5.9                                  | 11.9               | 76.9 | 64.0                                   | 62.7 |      | 16.6                               | 26.0 | 27.2 | 7.4               | 10.0 | 10.1 |
| The former Yugoslav Republic of Macedonia | 1992        |                                      |                    |         |                                      |                    |      |  | 44.6 |      |                                    |      | 18.5 |                   |      | 37.0 |
| Thailand                                  | 1991        |                                      | 16.8               |         |                                      | 2.6                |      |  | 50.8 |      |                                    |      | 7.7  |                   |      | 41.6 |
| Tonga                                     | 1992        |                                      |                    |         | -1.0                                 | 2.2                |      |  |      |      | 19.5                               | 17.5 | 11.0 |                   |      |      |
| Turkey                                    | 1991        | 9.6                                  | 26.1               |         | 4.9                                  | 7.2                | 56.7 | 58.2                                   | 54.6 |      | 12.9                               | 11.9 | 12.6 | 30.4              | 29.9 | 32.9 |
| Uruguay                                   | 1990        |                                      | 9.8                |         |                                      | 3.0                |      |  | 46.0 |      |                                    |      | 17.4 |                   | 36.6 | 42.7 |
| Venezuela                                 | 1992        |                                      | 12.5               |         |                                      | 4.1                | 53.2 | 58.4                                   | 63.8 |      | 20.3                               | 15.5 | 11.9 | 26.6              | 26.1 | 24.4 |
| Zambia                                    | 1989        |                                      | 23.8               |         | 1.6                                  | 5.1                | 67.5 | 40.0                                   | 39.8 |      | 16.1                               | 16.2 | 13.0 | 26.4              | 44.8 | 47.3 |
| Zimbabwe                                  | 1991        |                                      | 10.3               |         | -0.7                                 | 3.1                | 49.3 | 57.2                                   | 47.7 |      | 23.5                               | 23.3 | 16.0 | 27.2              | 19.5 | 36.3 |

a/ At current prices.

TABLE 1.12

## SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Country or area  | Latest year | Non-electrical machinery (382)       |                              |                                      |                              |  |      |      |                 |      |      |                   |      |      |
|--|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|-----------------|------|------|-------------------|------|------|
|  |             | Value added per employee             |                              | Wages per employee                   |                              | Percentage in output a/                |      |      |                 |      |      |                   |      |      |
|  |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) | Costs of input materials and utilities |      |      | Costs of labour |      |      | Operating surplus |      |      |
|  |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY              | 1980 | 1985 | LY                | 1980 | 1985 |
| <b>Industrialized countries b/</b>                     |             |                                      |                              |                                      |                              |  |      |      |                 |      |      |                   |      |      |
| Australia  | 1991        | 4.0                                  | 49.2                         | 1.8                                  | 24.4                         | 54.1                                   | 54.2 | 53.5 | 26.4            | 25.2 | 23.1 | 19.5              | 20.5 | 23.4 |
| Austria  | 1991        | 2.3                                  | 45.4                         | 2.1                                  | 30.0                         | 64.0                                   | 63.8 | 64.1 | 23.3            | 22.0 | 23.2 | 12.7              | 14.2 | 12.6 |
| Belgium  | 1992        | 2.0                                  | 80.6                         | 0.5                                  | 26.7                         |  |      |      |                 |      |      |                   |      |      |
| Canada   | 1992        | 2.5                                  | 51.1                         | -0.3                                 | 27.9                         | 54.4                                   | 52.8 | 55.5 | 22.2            | 23.4 | 23.7 | 23.4              | 23.8 | 19.8 |
| Denmark  | 1991        | -0.6                                 | 39.8                         | -0.3                                 | 29.5                         | 44.8                                   | 45.9 | 45.8 | 37.8            | 34.6 | 40.2 | 17.4              | 18.4 | 14.0 |
| Finland  | 1992        | 4.5                                  | 49.9                         | 1.8                                  | 27.6                         | 50.8                                   | 45.8 | 57.8 | 28.4            | 25.6 | 23.3 | 20.8              | 27.6 | 18.8 |
| France   | 1992        | 0.7                                  | 54.7                         |                                      |                              | 58.4                                   | 58.1 | 62.3 | 32.6            | 30.7 |      | 9.0               | 11.2 |      |
| Germany, western part                                  | 1992        | 1.1                                  | 79.2                         | 1.5                                  | 38.6                         | 52.1                                   | 43.8 | 41.8 | 30.4            | 28.2 | 28.4 | 17.5              | 30.0 | 29.8 |
| Greece   | 1992        | 0.7                                  | 24.0                         | 0.5                                  | 11.3                         | 58.5                                   | 59.4 | 57.2 | 19.0            | 20.6 | 20.1 | 22.5              | 20.0 | 22.8 |
| Ireland  | 1990        | 16.0                                 | 128.2                        | 1.8                                  | 21.8                         | 55.7                                   | 58.6 | 52.3 | 13.4            | 7.4  | 8.1  | 30.9              | 34.0 | 39.6 |
| Israel   | 1991        | 3.8                                  | 31.1                         |                                      | 21.4                         | 43.5                                   | 47.8 | 56.3 | 30.7            | 35.4 | 30.1 | 25.8              | 16.8 | 13.6 |
| Italy  | 1991        | 1.4                                  | 54.5                         |                                      |                              | 56.4                                   | 42.3 | 64.3 | 16.2            | 18.0 | 26.3 | 27.4              | 39.7 | 9.5  |
| Japan  | 1992        | 2.2                                  | 100.8                        | 1.5                                  | 37.8                         | 56.0                                   | 56.8 | 57.9 | 17.3            | 16.6 | 15.8 | 26.7              | 26.6 | 26.3 |
| Luxembourg   | 1990        | 10.1                                 | 57.8                         | 3.9                                  | 35.9                         | 60.1                                   | 58.1 | 50.3 | 25.6            | 29.2 | 30.9 | 13.3              | 12.7 | 18.8 |
| Netherlands  | 1990        | 3.2                                  | 44.7                         | 3.6                                  | 33.0                         | 58.9                                   | 64.3 | 62.5 | 28.1            | 27.8 | 27.6 | 13.0              | 7.9  | 9.8  |
| New Zealand  | 1990        |                                      | 25.4                         | -0.1                                 | 16.4                         | 62.9                                   | 65.7 | 84.2 | 23.8            | 20.0 | 22.3 | 13.3              | 13.3 | 13.5 |
| Norway   | 1992        | 2.2                                  | 52.1                         | 2.9                                  | 46.8                         | 71.2                                   | 74.4 | 77.4 | 18.7            | 15.7 | 20.3 | 10.2              | 8.9  | 2.3  |
| South Africa   | 1992        | 0.8                                  | 22.3                         | -0.6                                 | 12.2                         | 51.0                                   | 56.7 | 55.1 | 28.1            | 29.2 | 24.0 | 20.9              | 14.0 | 20.0 |
| Spain  | 1991        | 2.4                                  | 45.0                         | 1.4                                  | 22.0                         | 51.5                                   | 55.4 | 58.5 | 24.1            | 19.5 | 20.2 | 24.5              | 25.1 | 21.2 |
| Sweden   | 1992        | 1.4                                  | 55.1                         | 1.3                                  | 31.9                         | 47.4                                   | 50.0 | 55.5 | 25.0            | 20.1 | 20.0 | 27.6              | 29.9 | 14.5 |
| United Kingdom   | 1992        | 6.0                                  | 56.5                         | 2.7                                  | 28.4                         | 49.2                                   | 52.1 | 54.7 | 25.9            | 22.1 | 22.8 | 24.9              | 25.7 | 22.5 |
| United States of America                               | 1991        | 6.0                                  | 70.1                         | 0.2                                  | 30.9                         | 45.9                                   | 48.6 | 48.8 | 24.3            | 23.7 | 22.6 | 29.8              | 27.8 | 28.6 |
| <b>Countries of eastern Europe and the former USSR</b> |             |                                      |                              |                                      |                              |  |      |      |                 |      |      |                   |      |      |
| Armenia  | 1991        |                                      |                              |                                      | 1.9                          |  |      |      |                 |      | 24.6 |                   |      |      |
| Czech Republic   | 1992        |                                      |                              |                                      | 1.9                          |  |      |      |                 |      | 37.1 |                   |      |      |
| Hungary  | 1992        | 1.2                                  |                              | 0.9                                  | 3.1                          | 64.6                                   | 60.0 |      | 13.6            | 12.6 | 27.6 | 21.8              | 27.4 |      |
| Latvia   | 1992        |                                      |                              |                                      | 1.5                          |  |      |      |                 |      | 16.6 |                   |      |      |
| Poland   | 1990        | 4.3                                  | 6.3                          |                                      | 1.3                          |  |      | 41.5 |                 |      | 12.2 |                   |      | 46.3 |
| Republic of Moldova                                    | 1991        |                                      |                              |                                      | 1.8                          |  |      |      |                 |      | 17.3 |                   |      |      |
| Ukraine  | 1992        |                                      |                              |                                      | 2.1                          |  |      |      |                 |      | 14.6 |                   |      |      |
| <b>Developing countries</b>                            |             |                                      |                              |                                      |                              |  |      |      |                 |      |      |                   |      |      |
| Argentina  | 1990        | 4.5                                  | 19.6                         |                                      | 7.1                          | 51.4                                   | 41.0 | 55.5 | 16.1            | 16.3 | 16.2 | 32.5              | 42.7 | 28.3 |
| Bangladesh   | 1990        | -1.4                                 | 1.8                          | -2.4                                 | 0.7                          | 64.4                                   |      | 51.6 | 21.4            |      | 14.8 | 14.2              |      | 23.6 |
| Bolivia  | 1991        |                                      | 2.5                          |                                      | 1.5                          | 17.7                                   | 33.8 | 50.0 | 9.2             | 41.3 | 29.2 | 73.1              | 25.0 | 20.8 |
| Brazil   | 1990        | -1.3                                 | 21.4                         |                                      | 7.9                          | 45.0                                   | 40.2 | 36.7 | 20.4            | 18.8 | 23.2 | 34.6              | 41.0 | 40.1 |
| Chile  | 1991        | -5.3                                 | 13.4                         | 1.7                                  | 8.0                          | 51.6                                   | 59.6 | 55.4 | 24.6            | 29.9 | 20.6 | 23.9              | 10.4 | 14.1 |
| China  | 1992        |                                      | 2.0                          |                                      |                              | 55.1                                   | 63.9 | 71.7 | 11.5            | 9.0  |      | 33.3              | 27.1 |      |
| Colombia   | 1991        | 1.9                                  | 9.1                          | 0.3                                  | 1.9                          | 58.1                                   | 58.8 | 57.4 | 11.9            | 11.3 | 9.1  | 30.0              | 32.0 | 33.5 |
| Costa Rica   | 1991        |                                      | 3.9                          |                                      | 2.4                          | 72.6                                   | 65.2 | 65.5 | 16.0            | 16.3 | 21.0 | 11.4              | 18.5 | 13.5 |
| Croatia  | 1992        |                                      | 8.7                          |                                      | 2.3                          |  |      | 48.8 |                 |      | 14.3 |                   |      | 39.9 |

a/ At current prices

b/ Excluding countries of eastern Europe and the former USSR

TABLE 1.12  
(continued)

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

|                               |             | Non-electrical machinery (382)       |                              |                                      |                              |  |      |      |                 |      |      |                   |      |      |    |  |
|-------------------------------|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|-----------------|------|------|-------------------|------|------|----|--|
| Country or area               | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Percentage in output <sup>a/</sup>     |      |      |                 |      |      |                   |      |      |    |  |
|                               |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) | Costs of input materials and utilities |      |      | Costs of labour |      |      | Operating surplus |      |      |    |  |
|                               |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY              | 1980 | 1985 | LY                | 1980 | 1985 | LY |  |
| Cyprus                        | 1992        | 4.0                                  | 20.4                         | 3.9                                  | 11.5                         | 49.8                                   | 56.8 | 54.5 | 21.7            | 24.6 | 25.7 | 28.6              | 18.7 | 19.7 |    |  |
| Ecuador                       | 1990        |                                      | 4.0                          | -1.5                                 | 2.0                          | 51.8                                   | 59.5 | 70.6 | 24.4            | 18.2 | 14.9 | 23.8              | 22.2 | 14.6 |    |  |
| Egypt                         | 1983        | -0.7                                 | 7.2                          |                                      | 4.0                          | 64.1                                   | 73.0 | 70.2 | 15.6            | 16.7 | 16.8 | 20.3              | 10.3 | 13.0 |    |  |
| El Salvador                   | 1991        |                                      |                              |                                      |                              | 42.9                                   | 43.2 | 10.0 | 21.7            | 10.3 | 20.0 | 36.4              | 46.6 | 70.0 |    |  |
| Fiji                          | 1990        |                                      | 5.7                          | 2.5                                  | 3.1                          | 67.7                                   | 57.7 | 60.4 | 20.4            | 31.0 | 21.1 | 22.0              | 11.3 | 18.4 |    |  |
| Hong Kong                     | 1991        | -0.2                                 | 22.5                         | 4.5                                  | 9.8                          | 67.7                                   | 70.1 | 74.9 | 20.6            | 18.2 | 10.9 | 21.6              | 11.7 | 14.1 |    |  |
| India                         | 1990        | 4.4                                  | 4.2                          | 3.0                                  | 1.8                          | 75.2                                   | 73.0 | 77.8 | 11.5            | 12.2 | 9.6  | 13.2              | 14.8 | 12.6 |    |  |
| Indonesia                     | 1989        |                                      | 4.8                          | 5.7                                  | 1.3                          | 58.9                                   | 64.3 | 67.9 | 10.0            | 8.9  | 8.8  | 31.1              | 26.8 | 23.3 |    |  |
| Iran (Islamic Republic of)    | 1990        |                                      |                              |                                      |                              | 57.1                                   | 55.3 | 51.2 | 36.1            | 27.2 | 17.0 | 6.8               | 17.6 | 31.9 |    |  |
| Jordan                        | 1992        |                                      | 10.5                         |                                      | 2.7                          |  |      | 32.1 | 17.6            |      | 17.2 |                   |      | 50.7 |    |  |
| Kenya                         | 1991        |                                      | 3.4                          |                                      | 1.4                          | 72.7                                   | 81.6 | 80.0 | 16.1            | 10.3 | 20.2 | 11.2              | 8.0  | 29.8 |    |  |
| Kuwait                        | 1989        |                                      | 13.9                         |                                      | 9.6                          | 42.9                                   | 36.6 | 28.3 | 24.8            | 47.2 | 49.7 | 32.4              | 16.2 | 22.1 |    |  |
| Macao                         | 1992        |                                      | 7.0                          |                                      | 6.1                          | 50.0                                   | 48.8 | 67.6 | 34.0            | 38.3 | 28.5 | 16.0              | 12.9 | 3.9  |    |  |
| Malaysia                      | 1991        |                                      | 15.6                         |                                      | 4.0                          |  | 85.7 | 59.1 |                 | 16.1 | 7.8  |                   | 18.2 | 23.1 |    |  |
| Mauritius                     | 1991        |                                      | 8.3                          | -1.3                                 | 3.2                          | 61.5                                   | 66.7 | 42.2 | 27.5            | 26.1 | 22.4 | 11.0              | 7.2  | 35.3 |    |  |
| Mexico                        | 1991        |                                      | 19.7                         |                                      | 8.1                          | 49.8                                   | 48.7 | 48.6 | 19.3            | 22.4 | 21.2 | 30.8              | 29.0 | 30.2 |    |  |
| Morocco                       | 1992        |                                      |                              | -1.5                                 | 4.4                          | 78.6                                   |      |      | 14.5            | 12.3 | 19.1 | 6.9               |      |      |    |  |
| Philippines                   | 1989        |                                      | 3.3                          | 2.3                                  | 1.7                          | 58.1                                   | 66.3 | 70.5 | 15.0            | 16.7 | 15.1 | 28.8              | 17.0 | 14.5 |    |  |
| Republic of Korea             | 1991        | 7.3                                  | 37.5                         | 6.9                                  | 11.7                         | 55.3                                   | 68.7 | 58.4 | 18.3            | 14.2 | 13.0 | 26.3              | 27.1 | 28.5 |    |  |
| Saudi Arabia                  | 1989        |                                      | 12.5                         |                                      | 7.0                          |  |      | 82.5 |                 |      | 9.8  |                   |      | 7.7  |    |  |
| Senegal                       | 1989        |                                      | 5.8                          |                                      | 3.8                          |  |      | 65.1 |                 |      | 22.8 |                   |      | 12.2 |    |  |
| Singapore                     | 1992        | 1.7                                  | 35.1                         | 5.2                                  | 17.4                         | 56.3                                   | 54.9 | 61.5 | 13.3            | 22.1 | 19.1 | 30.5              | 23.0 | 19.4 |    |  |
| Slovenia                      | 1992        |                                      | 10.3                         |                                      | 9.1                          |  |      | 68.0 |                 |      | 28.1 |                   |      | 3.9  |    |  |
| Sri Lanka                     | 1990        |                                      |                              |                                      |                              | 58.2                                   |      | 58.9 | 19.0            | 9.5  | 8.2  | 22.9              |      | 32.9 |    |  |
| Taiwan Province               | 1992        | 3.7                                  | 24.5                         | 5.3                                  | 12.9                         | 69.9                                   | 66.6 | 63.8 | 16.1            | 15.7 | 19.1 | 13.9              | 17.7 | 17.2 |    |  |
| The f Yugosl Rep of Macedonia | 1992        |                                      |                              |                                      |                              |  |      | 22.0 |                 |      | 20.3 |                   |      | 67.8 |    |  |
| Turkey                        | 1991        | 9.1                                  | 30.9                         | 4.4                                  | 9.4                          | 60.8                                   | 68.1 | 61.6 | 16.2            | 10.7 | 11.7 | 22.9              | 21.2 | 26.7 |    |  |
| Uruguay                       | 1990        |                                      | 8.8                          |                                      | 2.8                          |  | 26.0 | 45.1 |                 | 20.8 | 17.4 |                   | 53.3 | 37.5 |    |  |
| Venezuela                     | 1992        |                                      | 15.5                         |                                      | 4.3                          | 58.0                                   | 55.3 | 58.6 | 18.8            | 16.5 | 11.5 | 23.2              | 28.1 | 29.9 |    |  |
| Zambia                        | 1989        |                                      | 26.8                         | 2.7                                  | 8.0                          | 52.7                                   | 45.2 | 41.8 | 13.0            | 17.2 | 17.3 | 34.2              | 37.6 | 40.8 |    |  |
| Zimbabwe                      | 1991        |                                      | 8.6                          | -0.1                                 | 3.1                          | 41.2                                   | 45.2 | 56.1 | 25.8            | 24.2 | 16.0 | 31.6              | 30.6 | 27.9 |    |  |

a/ At current prices

TABLE 1.12

## SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

|   |             | Electrical machinery (383)           |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
|---|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|------------------------------------|------|------|-------------------|------|------|
| Country or area                                 | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |
|   |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) |  |      |      | Costs of labour                    |      |      | Operating surplus |      |      |
|   |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY                                 | 1980 | 1985 | LY                | 1980 | 1985 |
| Industrialized countries b/                     |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Australia                                       | 1991        | -0.1                                 | 51.2                         | 1.1                                  | 22.3                         | 55.0                                   | 53.0 | 53.7 | 26.2                               | 24.4 | 20.1 | 18.8              | 22.6 | 26.1 |
| Austria   | 1991        | 5.6                                  | 49.1                         | 3.1                                  | 30.1                         | 63.3                                   | 62.8 | 63.9 | 23.6                               | 22.8 | 22.1 | 13.2              | 14.4 | 13.9 |
| Belgium   | 1992        | 3.2                                  | 50.7                         | 0.7                                  | 29.3                         |  |      |      |                                    |      |      |                   |      |      |
| Canada  | 1992        | 3.2                                  | 62.2                         | 0.7                                  | 30.0                         | 52.8                                   | 50.8 | 56.1 | 22.9                               | 23.4 | 21.2 | 24.3              | 25.8 | 22.7 |
| Denmark   | 1991        | 2.2                                  | 41.7                         | 0.2                                  | 30.8                         | 44.8                                   | 48.0 | 49.6 | 35.6                               | 32.7 | 37.3 | 18.5              | 19.3 | 13.1 |
| Finland   | 1992        | 10.4                                 | 58.7                         | 2.3                                  | 26.7                         | 53.1                                   | 48.6 | 53.8 | 25.0                               | 25.7 | 21.0 | 21.9              | 25.6 | 25.2 |
| France  | 1992        | 2.6                                  | 61.1                         |                                      |                              | 52.3                                   | 52.3 | 53.6 | 35.5                               | 36.3 |      | 12.2              | 12.6 |      |
| Germany, western part                           | 1992        | 3.0                                  | 79.2                         | 1.8                                  | 37.2                         | 48.7                                   | 44.1 | 42.6 | 28.8                               | 25.8 | 27.0 | 22.5              | 30.1 | 30.4 |
| Greece  | 1992        | 2.3                                  | 42.7                         | 1.1                                  | 14.1                         | 85.9                                   | 65.8 | 62.4 | 14.4                               | 15.1 | 12.5 | 19.8              | 19.1 | 26.1 |
| Ireland   | 1990        | 11.8                                 | 83.6                         | 1.6                                  | 19.4                         | 53.1                                   | 51.3 | 41.9 | 20.3                               | 18.9 | 13.5 | 26.5              | 32.6 | 44.6 |
| Israel  | 1991        | -0.6                                 | 55.0                         |                                      | 33.1                         | 41.2                                   | 45.6 | 46.1 | 38.5                               | 33.7 | 32.5 | 22.3              | 20.7 | 21.5 |
| Italy   | 1991        | 4.5                                  | 57.6                         |                                      |                              | 52.4                                   | 59.0 | 61.8 | 20.5                               | 19.9 | 25.9 | 27.0              | 21.2 | 12.3 |
| Japan   | 1992        | 6.2                                  | 82.5                         | 2.0                                  | 31.9                         | 61.2                                   | 60.5 | 60.7 | 14.3                               | 13.6 | 15.2 | 24.5              | 25.9 | 24.1 |
| Netherlands                                     | 1990        | 1.5                                  | 46.6                         | 2.3                                  | 34.4                         | 57.3                                   | 66.1 | 67.8 | 25.3                               | 25.8 | 23.8 | 17.4              | 8.2  | 8.4  |
| New Zealand                                     | 1990        |                                      | 26.8                         | 0.9                                  | 17.2                         | 63.8                                   | 71.1 | 69.3 | 21.8                               | 19.2 | 19.8 | 14.4              | 9.7  | 11.0 |
| Norway  | 1992        | 6.9                                  | 56.5                         | 3.2                                  | 45.6                         | 57.1                                   | 58.3 | 64.6 | 22.7                               | 28.8 | 28.5 | 13.2              | 12.9 | 6.9  |
| South Africa                                    | 1992        | -2.0                                 | 12.4                         | -0.6                                 | 10.3                         | 51.9                                   | 63.9 | 61.0 | 21.4                               | 21.7 | 32.3 | 26.7              | 14.4 | 6.7  |
| Spain   | 1991        | 6.0                                  | 53.3                         | 1.4                                  | 23.6                         | 50.8                                   | 56.2 | 60.4 | 23.4                               | 19.6 | 17.6 | 25.8              | 24.2 | 22.1 |
| Sweden  | 1992        | 7.9                                  | 54.7                         | 1.1                                  | 31.2                         | 43.0                                   | 45.1 | 67.4 | 28.1                               | 20.8 | 18.6 | 28.9              | 33.2 | 14.0 |
| Switzerland                                     | 1992        |                                      | 63.3                         |                                      |                              |  |      | 61.0 |                                    |      |      |                   |      |      |
| United Kingdom                                  | 1992        | 5.2                                  | 49.3                         | 2.5                                  | 25.4                         | 49.5                                   | 52.3 | 53.2 | 26.6                               | 22.9 | 24.0 | 23.9              | 24.8 | 22.7 |
| United States of America                        | 1991        | 5.8                                  | 76.0                         | 0.6                                  | 29.5                         | 44.8                                   | 43.3 | 45.9 | 24.4                               | 25.2 | 21.0 | 30.6              | 31.6 | 33.1 |
| Countries of eastern Europe and the former USSR |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Armenia   | 1991        |                                      | 2.9                          |                                      | 2.0                          |  |      | 74.0 |                                    |      | 18.2 |                   |      | 7.7  |
| Bulgaria  | 1992        |                                      |                              |                                      | 1.0                          |  |      |      | 10.9                               | 10.8 |      | 15.5              |      |      |
| Czech Republic                                  | 1992        |                                      |                              |                                      | 1.8                          |  |      |      |                                    |      | 33.7 |                   |      |      |
| Hungary   | 1992        | 4.5                                  |                              | 1.7                                  | 3.3                          | 66.4                                   | 60.2 |      | 11.9                               | 11.2 | 20.0 | 21.7              | 28.6 |      |
| Latvia  | 1992        |                                      |                              |                                      | 1.3                          |  |      |      |                                    |      | 19.0 |                   |      |      |
| Poland  | 1990        | 4.6                                  | 6.0                          |                                      | 1.2                          |  |      | 50.0 |                                    |      | 10.1 |                   |      | 39.9 |
| Republic of Moldova                             | 1991        |                                      |                              |                                      | 1.9                          |  |      |      |                                    |      | 15.8 |                   |      |      |
| Romania   | 1991        |                                      | 4.1                          |                                      | 1.1                          |  |      | 68.2 |                                    |      | 8.7  |                   |      | 23.1 |
| Ukraine   | 1992        |                                      |                              |                                      | 2.0                          |  |      |      |                                    |      | 14.6 |                   |      |      |
| Developing countries                            |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Argentina                                       | 1990        | 1.0                                  | 35.7                         |                                      | 7.0                          | 54.1                                   | 35.3 | 55.1 | 14.0                               | 15.8 | 8.8  | 31.9              | 48.9 | 36.1 |
| Bangladesh                                      | 1990        | -8.0                                 | 3.5                          | -3.2                                 | 0.8                          | 62.6                                   | 66.5 | 68.0 | 11.4                               | 9.0  | 6.8  | 26.0              | 24.5 | 25.1 |
| Belize  | 1992        |                                      | 4.4                          |                                      | 4.1                          |  |      | 95.8 |                                    |      | 3.9  |                   |      | 0.3  |
| Bolivia   | 1991        |                                      | 7.0                          |                                      | 1.2                          | 51.8                                   | 69.3 | 70.6 | 11.0                               | 3.8  | 5.1  | 37.2              | 26.9 | 24.3 |
| Brazil  | 1990        | 1.0                                  | 30.9                         |                                      | 7.5                          | 47.0                                   | 41.9 | 29.4 | 12.3                               | 12.0 | 17.2 | 40.7              | 46.1 | 63.4 |
| Cameroon  | 1990        |                                      | 13.0                         | 0.3                                  | 8.8                          | 61.1                                   |      | 76.4 | 20.8                               |      | 16.0 | 18.1              |      | 7.6  |
| Chile   | 1991        | 7.8                                  | 31.2                         | 1.3                                  | 8.0                          | 55.0                                   | 37.8 | 48.4 | 17.5                               | 16.5 | 13.2 | 27.5              | 45.6 | 38.4 |

a/ At current prices

b/ Excluding countries of eastern Europe and the former USSR

TABLE 1 12  
(continued)

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Electrical machinery (383)    |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
|-------------------------------|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|------------------------------------|------|------|-------------------|------|------|
| Country or area               | Latest year | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |
|                               |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) | Costs of labour                        |      |      | Operating surplus                  |      |      |                   |      |      |
|                               |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | 1980                                   | 1985 | LY   | 1980                               | 1985 | LY   | 1980              | 1985 | LY   |
| China                         | 1992        |                                      | 4.7                          |                                      |                              | 57.0                                   | 65.6 | 74.9 | 11.2                               | 3.6  |      | 31.8              | 30.9 |      |
| Colombia                      | 1991        | -1.0                                 | 14.8                         |                                      | 1.4                          | 53.8                                   | 55.6 | 56.4 | 9.7                                | 9.1  | 7.6  | 36.6              | 35.2 | 36.0 |
| Costa Rica                    | 1991        |                                      | 8.3                          |                                      |                              | 73.4                                   | 73.3 | 74.7 | 8.8                                | 7.1  | 7.9  | 17.7              | 19.6 | 17.4 |
| Croatia                       | 1992        |                                      | 11.5                         |                                      |                              |  |      | 47.5 |                                    |      | 11.3 |                   |      | 40.6 |
| Cuba                          | 1989        |                                      | 3.8                          |                                      |                              | 43.3                                   | 65.6 | 70.0 | 20.7                               | 21.2 | 22.4 | 36.0              | 13.3 | 7.7  |
| Cyprus                        | 1992        | 3.7                                  | 20.9                         |                                      | 5.4                          | 63.9                                   | 72.3 | 66.0 | 13.9                               | 12.1 | 18.3 | 22.2              | 15.5 | 15.8 |
| Ecuador                       | 1990        | 4.1                                  | 7.8                          |                                      |                              | 68.9                                   | 65.2 | 71.1 | 14.0                               | 13.0 | 10.5 | 19.0              | 21.8 | 18.4 |
| Egypt                         | 1989        | 4.6                                  | 7.9                          |                                      |                              | 73.7                                   | 61.8 | 80.4 | 11.7                               | 11.0 | 10.5 | 14.6              | 27.2 | 9.2  |
| El Salvador                   | 1991        |                                      |                              |                                      |                              | 65.6                                   | 44.2 | 37.7 | 14.8                               | 9.5  | 10.0 | 19.6              | 46.4 | 52.4 |
| Ethiopia                      | 1990        |                                      | 6.6                          |                                      | -0.0                         | 39.3                                   | 41.4 | 45.1 | 14.8                               | 13.7 | 17.1 | 45.9              | 45.0 | 37.8 |
| Fiji                          | 1990        |                                      | 4.9                          |                                      |                              | 75.8                                   | 68.2 | 81.6 | 24.2                               | 28.2 | 12.5 | 0.1               | 3.6  | 5.9  |
| Hong Kong                     | 1991        | 16.0                                 | 22.3                         |                                      | 5.9                          | 71.8                                   | 77.1 | 71.4 | 13.3                               | 14.5 | 13.5 | 14.9              | 8.5  | 15.0 |
| India                         | 1990        | 15.9                                 | 5.2                          |                                      | 2.2                          | 77.0                                   | 76.5 | 77.4 | 10.3                               | 11.4 | 8.4  | 12.7              | 12.1 | 14.2 |
| Indonesia                     | 1989        | 2.3                                  | 4.8                          |                                      | 4.3                          | 70.9                                   | 70.5 | 77.8 | 6.3                                | 6.7  | 5.2  | 22.8              | 22.8 | 16.9 |
| Iran (Islamic Republic of)    | 1990        |                                      |                              |                                      |                              | 49.7                                   | 46.4 | 36.8 | 34.7                               | 30.8 | 12.9 | 15.5              | 22.8 | 51.3 |
| Jordan                        | 1992        |                                      | 14.7                         |                                      |                              | 66.3                                   | 51.5 | 30.8 | 15.2                               | 27.3 | 13.3 | 18.4              | 21.2 | 55.8 |
| Kenya                         | 1991        | 2.2                                  | 7.1                          |                                      |                              | 68.4                                   | 75.4 | 83.2 | 20.6                               | 11.7 | 7.3  | 11.1              | 12.9 | 9.5  |
| Kuwait                        | 1989        |                                      | 33.2                         |                                      |                              | 54.9                                   | 71.2 | 64.0 | 6.5                                | 10.9 | 9.8  | 28.5              | 17.9 | 26.2 |
| Macao                         | 1992        |                                      | 9.5                          |                                      |                              | 73.7                                   | 70.5 | 75.9 | 18.3                               | 18.4 | 11.7 | 8.0               | 11.0 | 12.3 |
| Malaysia                      | 1991        |                                      | 10.2                         |                                      |                              |  |      | 68.9 |                                    |      | 11.3 |                   | 19.8 | 14.9 |
| Mauritius                     | 1991        |                                      | 7.7                          |                                      | 7.1                          | 64.3                                   | 77.7 | 73.9 | 27.7                               | 10.5 | 11.2 | 8.0               | 11.8 | 14.9 |
| Mexico                        | 1991        |                                      | 21.6                         |                                      |                              | 51.8                                   | 51.4 | 51.4 | 20.5                               | 14.8 | 14.9 | 27.7              | 33.8 | 33.8 |
| Morocco                       | 1992        | -3.0                                 | 12.0                         |                                      | 0.4                          | 72.6                                   | 69.0 | 72.6 | 17.3                               | 15.5 | 14.1 | 10.1              | 15.5 | 13.3 |
| Nepal                         | 1991        |                                      | 4.9                          |                                      |                              |  |      | 65.5 |                                    |      | 4.4  |                   |      | 30.1 |
| Panama                        | 1989        | 5.9                                  | 28.4                         |                                      | 4.2                          | 58.0                                   | 82.0 | 66.8 | 10.8                               | 13.6 | 9.9  | 31.2              | 24.4 | 33.3 |
| Philippines                   | 1989        |                                      | 7.7                          |                                      | 5.0                          | 53.0                                   | 73.2 | 70.5 | 9.8                                | 10.8 | 9.4  | 27.2              | 16.0 | 20.1 |
| Republic of Korea             | 1991        | 12.1                                 | 40.4                         |                                      | 8.6                          | 64.6                                   | 62.5 | 55.1 | 12.9                               | 10.5 | 11.3 | 22.5              | 27.0 | 30.6 |
| Saudi Arabia                  | 1989        |                                      | 19.5                         |                                      |                              |  |      | 11.4 |                                    |      | 10.1 |                   |      | 7.1  |
| Senegal                       | 1989        | -2.0                                 | 5.4                          |                                      | 0.9                          |  |      | 5.2  |                                    |      | 12.2 |                   |      | 0.5  |
| Singapore                     | 1992        | 2.4                                  | 42.9                         |                                      | 6.6                          | 67.7                                   | 67.7 | 71.3 | 10.3                               | 11.6 | 8.6  | 22.1              | 20.7 | 20.1 |
| Slovenia                      | 1992        |                                      | 12.8                         |                                      |                              |  |      | 9.8  |                                    |      | 30.5 |                   |      | 10.1 |
| Sri Lanka                     | 1990        |                                      |                              |                                      |                              | 50.4                                   |      | 62.6 | 7.2                                | 7.1  | 6.3  | 42.4              |      | 31.2 |
| Taiwan Province               | 1992        | 9.7                                  | 23.5                         |                                      | 7.6                          | 57.9                                   | 70.6 | 72.6 | 13.1                               | 14.2 | 14.2 | 19.0              | 15.2 | 13.2 |
| The f Yugosl Rep of Macedonia | 1992        |                                      |                              |                                      |                              |  |      | 62.4 |                                    |      | 11.4 |                   |      | 25.2 |
| Tonga                         | 1990        |                                      |                              |                                      | 1.7                          |  |      | 3.4  |                                    |      | 6.7  |                   |      | 7.9  |
| Turkey                        | 1991        | 9.6                                  | 41.7                         |                                      | 4.2                          | 58.8                                   | 63.8 | 55.9 | 13.2                               | 8.3  | 10.4 | 25.0              | 28.0 | 32.7 |
| Uruguay                       | 1990        | -5.6                                 | 14.8                         |                                      | -2.1                         | 57.8                                   | 43.9 | 55.1 | 19.2                               | 14.0 | 11.0 | 23.0              | 42.1 | 33.9 |
| Venezuela                     | 1992        |                                      | 15.6                         |                                      |                              | 54.5                                   | 58.5 | 61.2 | 19.8                               | 15.8 | 12.6 | 25.7              | 25.6 | 26.2 |
| Zambia                        | 1989        |                                      | 14.6                         |                                      | 0.7                          | 54.9                                   | 55.0 | 55.4 | 15.5                               | 18.0 | 20.5 | 29.6              | 25.0 | 24.2 |
| Zimbabwe                      | 1991        |                                      | 13.9                         |                                      | 2.6                          | 55.7                                   | 52.6 | 38.1 | 19.9                               | 23.5 | 18.8 | 24.5              | 23.9 | 43.1 |

a/ At current prices

TABLE 1.12

## SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Transport equipment (384)                              |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
|--|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|------------------------------------|------|------|-------------------|------|------|
| Country or area  | latest year | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |
|  |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) |  |      |      |                                    |      |      |                   |      |      |
|  |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY                                 | 1980 | 1985 | LY                | 1980 | 1985 |
| <b>Industrialized countries b/</b>                     |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Australia  | 1991        | 1.9                                  | 60.5                         | 1.3                                  | 24.2                         | 60.2                                   | 61.6 | 66.7 | 26.3                               | 23.4 | 17.5 | 14.5              | 16.0 | 26.0 |
| Austria  | 1991        | 6.3                                  | 58.5                         | 1.7                                  | 28.8                         | 67.9                                   | 61.6 | 66.6 | 22.4                               | 20.6 | 16.6 | 9.7               | 17.9 | 17.0 |
| Belgium  | 1992        | 4.2                                  | 42.4                         | 0.6                                  | 26.3                         |  |      |      |                                    |      |      |                   |      |      |
| Canada   | 1992        | 3.2                                  | 71.2                         | 0.4                                  | 33.1                         | 74.1                                   | 76.0 | 76.2 | 13.4                               | 10.4 | 11.0 | 12.6              | 13.6 | 12.7 |
| Denmark  | 1991        | 0.9                                  | 47.5                         | -0.1                                 | 30.5                         | 52.2                                   | 56.5 | 57.6 | 38.8                               | 30.2 | 27.3 | 9.1               | 11.3 | 15.1 |
| Finland  | 1992        | 3.0                                  | 46.9                         | 1.8                                  | 27.5                         | 56.9                                   | 53.8 | 61.3 | 26.9                               | 26.3 | 22.7 | 16.1              | 20.9 | 16.0 |
| France   | 1992        | 3.0                                  | 57.3                         |                                      |                              | 63.6                                   | 58.3 | 70.4 | 32.6                               | 29.1 |      | 3.7               | 2.7  |      |
| Germany, western part                                  | 1992        | 2.6                                  | 83.9                         | 1.7                                  | 42.0                         | 56.0                                   | 55.2 | 68.0 | 26.6                               | 21.2 | 21.0 | 18.5              | 23.6 | 21.0 |
| Greece   | 1992        | 1.5                                  | 24.2                         | 0.8                                  | 17.7                         | 46.3                                   | 47.9 | 49.7 | 30.9                               | 34.7 | 36.7 | 23.8              | 17.6 | 13.6 |
| Iceland  | 1991        |                                      | 36.2                         | 3.5                                  | 31.7                         | 42.0                                   | 52.9 | 43.3 | 34.2                               | 28.4 | 49.6 | 23.8              | 18.6 | 7.2  |
| Ireland  | 1990        | 2.2                                  | 41.0                         | 1.1                                  | 25.8                         | 66.9                                   | 56.8 | 60.3 | 30.1                               | 30.6 | 30.8 | 4.0               | 12.7 | 18.8 |
| Israel   | 1991        | -0.5                                 | 44.5                         |                                      | 36.1                         | 40.2                                   | 46.2 | 46.0 | 46.0                               | 49.7 | 43.8 | 13.9              | 4.0  | 10.2 |
| Italy  | 1991        | 5.4                                  | 42.8                         |                                      |                              | 59.9                                   | 55.7 | 68.4 | 17.8                               | 16.8 | 27.7 | 22.3              | 18.4 | 3.9  |
| Japan  | 1992        | 1.5                                  | 115.2                        | 2.1                                  | 41.0                         | 70.9                                   | 69.9 | 71.5 | 11.0                               | 10.8 | 10.1 | 18.1              | 19.3 | 18.3 |
| Luxembourg   | 1990        | 0.7                                  | 38.7                         | 2.0                                  | 19.6                         | 62.6                                   | 61.6 | 60.6 | 23.3                               | 22.2 | 20.0 | 14.1              | 16.2 | 19.4 |
| Netherlands  | 1990        | 3.3                                  | 42.8                         | 3.2                                  | 33.3                         | 67.6                                   | 72.8 | 74.6 | 21.3                               | 26.4 | 19.8 | 11.2              | 0.9  | 6.6  |
| New Zealand  | 1990        |                                      | 23.7                         |                                      | 16.4                         | 68.1                                   | 71.6 | 74.4 | 22.9                               | 19.0 | 17.7 | 9.0               | 9.4  | 7.9  |
| Norway   | 1992        | 2.4                                  | 47.3                         | 2.4                                  | 39.9                         | 64.8                                   | 66.8 | 69.6 | 21.0                               | 26.7 | 26.7 | 8.2               | 6.6  | 4.8  |
| South Africa   | 1992        | -0.7                                 | 23.1                         | 1.0                                  | 11.9                         | 69.1                                   |      | 69.3 | 19.6                               |      | 16.8 | 11.6              |      | 14.9 |
| Spain  | 1991        | 4.7                                  | 59.9                         | 1.2                                  | 24.1                         | 64.8                                   | 71.5 | 67.8 | 21.3                               | 17.6 | 13.0 | 13.9              | 11.0 | 19.2 |
| Sweden   | 1992        | 1.3                                  | 40.4                         | 1.0                                  | 30.9                         | 58.2                                   | 63.1 | 78.9 | 21.8                               | 16.6 | 16.2 | 20.0              | 21.2 | 4.9  |
| United Kingdom   | 1992        | 5.1                                  | 56.6                         | 2.6                                  | 29.3                         | 57.6                                   | 59.0 | 63.3 | 27.6                               | 22.0 | 19.0 | 14.6              | 19.0 | 17.7 |
| United States of America                               | 1991        | 3.3                                  | 89.9                         | 0.1                                  | 36.4                         | 59.6                                   | 59.7 | 68.3 | 20.7                               | 18.4 | 16.9 | 19.8              | 21.9 | 24.8 |
| <b>Countries of eastern Europe and the former USSR</b> |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Bulgaria   | 1992        |                                      |                              |                                      | 1.6                          |  |      |      | 11.3                               | 11.4 | 21.0 |                   |      |      |
| Czech Republic   | 1992        |                                      |                              |                                      | 1.9                          |  |      |      |                                    |      | 24.6 |                   |      |      |
| Hungary  | 1992        | -2.2                                 |                              | 0.4                                  | 3.1                          | 73.5                                   | 70.7 |      | 8.8                                | 8.3  | 20.6 | 17.7              | 21.0 |      |
| Latvia   | 1992        |                                      |                              |                                      | 2.0                          |  |      |      |                                    |      | 11.7 |                   |      |      |
| Poland   | 1990        | 0.8                                  | 6.7                          |                                      | 1.3                          |  |      | 49.4 |                                    |      | 10.0 |                   |      | 40.6 |
| Republic of Moldova                                    | 1991        |                                      |                              |                                      | 2.6                          |  |      |      |                                    |      | 11.0 |                   |      |      |
| Romania  | 1991        |                                      | 2.2                          |                                      | 1.2                          |  |      | 73.8 |                                    |      | 14.6 |                   |      | 11.6 |
| Ukraine  | 1992        |                                      |                              |                                      | 2.4                          |  |      |      |                                    |      | 24.2 |                   |      |      |
| <b>Developing countries</b>                            |             |                                      |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
| Argentina  | 1990        | -3.0                                 | 24.0                         |                                      | 8.2                          | 64.6                                   | 45.7 | 53.0 | 14.2                               | 16.6 | 16.0 | 21.2              | 37.9 | 31.1 |
| Bangladesh   | 1990        | -10.2                                | 4.7                          | -3.4                                 | 0.8                          | 76.0                                   | 73.8 | 58.9 | 9.2                                | 9.9  | 7.1  | 14.8              | 16.3 | 34.0 |
| Barbados   | 1992        |                                      | 11.4                         | 0.2                                  | 8.3                          | 66.8                                   | 59.6 | 41.8 | 26.7                               | 26.8 | 42.3 | 16.4              | 11.6 | 16.9 |
| Belize   | 1992        |                                      | 13.1                         |                                      | 4.8                          |  |      | 52.0 |                                    |      | 17.4 |                   |      | 30.6 |
| Bolivia  | 1991        |                                      | 5.1                          |                                      | 1.7                          | 61.0                                   | 48.1 | 33.3 | 11.7                               | 21.8 | 22.6 | 37.1              | 30.0 | 44.1 |
| Brazil   | 1990        | -2.6                                 | 24.2                         |                                      | 8.4                          | 60.3                                   | 61.3 | 55.6 | 11.3                               | 11.4 | 16.4 | 28.4              | 27.3 | 29.0 |
| Cameroon   | 1990        |                                      | 10.0                         | -1.8                                 | 8.4                          | 72.2                                   |      | 76.9 | 19.9                               |      | 19.4 | 7.9               |      | 3.7  |

a/ At current prices

b/ Excluding countries of eastern Europe and the former USSR



TABLE 1.12  
(continued)

SELECTED CHARACTERISTICS OF BRANCHES, SELECTED YEARS AND COUNTRIES

| Country or area               | Latest year | Transport equipment (384)            |                              |                                      |                              |  |      |      |                                    |      |      |                   |      |      |
|-------------------------------|-------------|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|------|------|------------------------------------|------|------|-------------------|------|------|
|                               |             | Value added per employee             |                              | Wages per employee                   |                              | Costs of input materials and utilities |      |      | Percentage in output <sup>a/</sup> |      |      | Operating surplus |      |      |
|                               |             | Real annual growth rate (percentage) | Value (current 1000 dollars) | Real annual growth rate (percentage) | Value (current 1000 dollars) |  |      |      |                                    |      |      |                   |      |      |
|                               |             | (LY)                                 | 1980-LY                      | LY                                   | 1980-LY                      | LY                                     | 1980 | 1985 | LY                                 | 1980 | 1985 | LY                | 1980 | 1985 |
| Chile                         | 1991        | -5.6                                 | 18.2                         | 0.4                                  | 4.9                          | 66.7                                   | 62.6 | 70.8 | 7.9                                | 8.6  | 7.8  | 25.4              | 28.6 | 21.3 |
| China                         | 1992        |                                      | 4.2                          |                                      |                              | 56.6                                   | 64.9 | 74.3 | 9.2                                | 4.3  |      | 34.3              | 30.6 |      |
| Colombia                      | 1991        | 1.9                                  | 18.9                         | 1.3                                  | 2.7                          | 70.4                                   | 68.9 | 68.5 | 8.1                                | 7.6  | 4.8  | 21.5              | 23.5 | 28.7 |
| Costa Rica                    | 1991        |                                      | 7.7                          |                                      |                              | 63.0                                   | 61.0 | 49.7 | 14.7                               | 16.6 | 16.8 | 22.3              | 33.6 | 33.6 |
| Croatia                       | 1992        |                                      | 14.3                         |                                      |                              |  |      | 43.4 |                                    |      | 9.2  |                   |      | 47.4 |
| Cyprus                        | 1992        | 6.3                                  | 22.8                         | 0.8                                  | 12.2                         | 46.8                                   | 54.6 | 59.4 | 31.4                               | 25.0 | 21.8 | 21.6              | 20.4 | 18.8 |
| Ecuador                       | 1990        | 16.5                                 | 10.1                         |                                      | 3.0                          | 67.0                                   | 78.6 | 84.9 | 14.6                               | 6.9  | 4.5  | 18.6              | 14.6 | 10.6 |
| Egypt                         | 1989        | -6.5                                 | 4.4                          |                                      | 2.9                          | 81.3                                   | 77.1 | 70.5 | 14.4                               | 17.6 | 19.6 | 4.3               | 6.4  | 10.0 |
| El Salvador                   | 1991        |                                      |                              |                                      |                              | 50.0                                   |      | 68.8 | 23.6                               |      | 6.3  | 26.6              |      | 26.0 |
| Ethiopia                      | 1990        |                                      | 13.3                         |                                      | 3.6                          |  | 70.2 | 61.4 |                                    | 7.3  | 10.6 |                   | 22.6 | 28.1 |
| Fiji                          | 1990        |                                      | 4.5                          |                                      | 2.8                          | 53.7                                   | 54.9 | 71.9 | 38.4                               | 28.9 | 17.3 | 7.9               | 16.2 | 10.8 |
| Hong Kong                     | 1991        | 6.7                                  | 25.7                         | 4.9                                  | 16.2                         | 42.2                                   | 48.6 | 38.9 | 36.6                               | 36.2 | 38.7 | 21.2              | 16.3 | 22.4 |
| India                         | 1990        | 3.7                                  | 3.7                          | 2.4                                  | 1.9                          | 74.6                                   | 76.1 | 75.6 | 16.1                               | 16.3 | 12.6 | 9.3               | 8.6  | 11.9 |
| Indonesia                     | 1989        | -7.7                                 | 8.7                          | 3.5                                  | 1.6                          | 68.2                                   | 66.6 | 67.6 | 6.8                                | 9.5  | 6.6  | 27.0              | 23.9 | 26.9 |
| Iran (Islamic Republic of)    | 1990        |                                      |                              |                                      |                              | 66.1                                   | 61.1 | 38.8 | 29.5                               | 26.9 | 18.8 | 4.6               | 13.1 | 42.6 |
| Iraq                          | 1992        |                                      |                              |                                      |                              |  |      | 13.3 |                                    |      | 30.6 |                   |      | 66.3 |
| Jordan                        | 1992        |                                      | 7.2                          |                                      | 2.4                          | 32.8                                   | 30.4 | 44.1 | 29.1                               | 27.0 | 18.3 | 38.1              | 42.6 | 37.6 |
| Kenya                         | 1991        | 2.3                                  | 2.3                          |                                      | 1.3                          | 75.0                                   | 82.9 | 88.3 | 14.0                               | 9.9  | 6.8  | 11.0              | 7.2  | 4.9  |
| Kuwait                        | 1989        |                                      | 9.9                          |                                      | 8.2                          | 48.7                                   |      | 60.4 | 17.5                               |      | 33.0 | 33.8              |      | 6.6  |
| Macau                         | 1992        |                                      | 10.8                         |                                      | 8.8                          | 56.7                                   | 53.9 | 60.2 | 28.1                               | 40.2 | 40.6 | 15.3              | 6.9  | 9.3  |
| Malaysia                      | 1991        |                                      | 20.6                         |                                      | 4.1                          |  | 63.6 | 71.5 |                                    | 14.0 | 6.7  |                   | 22.6 | 22.8 |
| Malta                         | 1990        | -5.7                                 | 13.8                         | 4.6                                  | 11.5                         | 66.7                                   | 49.0 | 55.7 | 23.6                               | 39.6 | 37.4 | 10.7              | 11.6 | 6.9  |
| Mauritius                     | 1991        |                                      | 8.6                          | 5.3                                  | 2.6                          | 62.8                                   | 42.6 | 50.6 | 19.3                               | 17.6 | 16.0 | 17.9              | 32.9 | 34.6 |
| Mexico                        | 1991        |                                      | 40.2                         |                                      | 7.4                          | 63.6                                   | 63.0 | 63.0 | 13.7                               | 9.1  | 6.8  | 22.7              | 27.9 | 30.2 |
| Morocco                       | 1992        | -2.8                                 | 13.2                         | -1.7                                 | 5.7                          | 76.8                                   | 77.6 | 76.8 | 18.9                               | 9.9  | 10.0 | 7.3               | 12.4 | 13.1 |
| Panama                        | 1989        | -2.8                                 | 17.2                         | 2.3                                  | 7.6                          | 32.0                                   | 27.6 | 22.4 | 17.2                               | 19.8 | 34.1 | 60.8              | 62.6 | 43.6 |
| Philippines                   | 1989        |                                      | 12.1                         | 2.9                                  | 2.2                          | 73.2                                   | 74.7 | 76.0 | 6.6                                | 11.6 | 4.6  | 20.4              | 13.8 | 20.6 |
| Republic of Korea             | 1991        | 12.0                                 | 65.1                         | 9.0                                  | 16.9                         | 66.8                                   | 64.6 | 60.2 | 13.6                               | 10.7 | 10.3 | 20.6              | 24.7 | 29.6 |
| Saudi Arabia                  | 1989        |                                      | 12.7                         |                                      | 6.6                          |  |      | 81.6 |                                    |      | 9.6  |                   |      | 9.0  |
| Senegal                       | 1989        |                                      | 6.7                          |                                      | 6.2                          |  |      | 66.8 |                                    |      | 31.0 |                   |      | 2.6  |
| Singapore                     | 1992        | 4.2                                  | 38.5                         | 4.1                                  | 17.5                         | 48.1                                   | 42.2 | 54.8 | 17.8                               | 24.9 | 20.6 | 34.1              | 32.9 | 24.7 |
| Slovenia                      | 1992        |                                      | 11.1                         |                                      | 8.9                          |  |      | 80.0 |                                    |      | 16.9 |                   |      | 4.1  |
| Sri Lanka                     | 1990        |                                      |                              |                                      |                              | 51.2                                   |      | 61.2 | 12.8                               | 10.1 | 10.4 | 36.0              |      | 38.4 |
| Suriname                      | 1992        |                                      |                              |                                      |                              |  |      |      |                                    |      | 18.2 |                   |      |      |
| Taiwan Province               | 1992        | 4.9                                  | 39.7                         | 6.8                                  | 16.1                         | 77.8                                   | 68.4 | 66.4 | 11.4                               | 14.7 | 14.0 | 10.9              | 16.8 | 20.6 |
| The f Yugosl Rep of Macedonia | 1992        |                                      |                              |                                      |                              |  |      | 34.0 |                                    |      | 19.6 |                   |      | 46.6 |
| Tonga                         | 1992        |                                      |                              | 7.0                                  | 3.1                          |  |      |      | 15.6                               |      | 31.7 |                   |      |      |
| Turkey                        | 1991        | 9.9                                  | 33.2                         | 3.2                                  | 10.4                         | 62.2                                   | 67.1 | 60.7 | 16.9                               | 10.3 | 12.4 | 18.9              | 22.6 | 26.9 |
| Uruguay                       | 1990        | 1.0                                  | 26.8                         | -2.7                                 | 4.7                          | 61.8                                   | 54.4 | 62.6 | 14.0                               | 10.4 | 8.4  | 24.2              | 35.2 | 39.0 |
| Venezuela                     | 1992        |                                      | 29.7                         |                                      | 5.9                          | 73.1                                   | 73.3 | 87.8 | 11.8                               | 11.0 | 6.4  | 16.1              | 15.7 | 26.9 |
| Zambia                        | 1989        |                                      | 34.7                         | 1.2                                  | 5.8                          | 66.1                                   | 67.4 | 68.3 | 7.1                                | 7.3  | 7.0  | 27.8              | 36.3 | 34.8 |
| Zimbabwe                      | 1991        | -1.5                                 | 18.4                         | 1.8                                  | 4.7                          | 57.6                                   | 46.6 | 53.4 | 21.6                               | 26.6 | 11.9 | 20.8              | 27.0 | 34.8 |

<sup>a</sup> At current prices

Part II

**COUNTRY TABLES**

## AFGHANISTAN

**Supplier of information:**

Central Statistical Office, Kabul.

**Basic source of data:**

Monthly survey.

**Major deviations from current version of ISIC:**

Data collected under the national classification system have been reclassified by the national authorities to achieve the best possible correspondence with the current version of the ISIC. Lack of detail in national data, however, results in several cases where correspondence with the ISIC cannot be achieved.

**Reference period (if not calendar year):**

Fiscal year beginning 21 March of the year indicated.

**Scope:**

All registered establishments.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of establishments is as of 21 March of the year indicated.

Wages and salaries represents all payments made for work done by all persons included in the count of employees, and includes fringe benefits.

Output is the value of sales.

**Related national publications:**

Statistical Information (annual); Statistical Research (quarterly), both published by the Central Statistical Office, Kabul.

## Afghanistan

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note  | Number of employees |       |      |      | Note    | Wages and salaries paid to employees |         |      | 1989 |
|--|------|--------------------------|------|------|------|-------|---------------------|-------|------|------|---------|--------------------------------------|---------|------|------|
|  |      | 1985                     | 1987 | 1988 | 1989 |       | 1985                | 1987  | 1988 | 1989 |         | 1985                                 | 1987    | 1988 |      |
|  |      | (numbers)                |      |      |      |       | (numbers)           |       |      |      |         | (thousand AFGHANIS)                  |         |      |      |
| 311/2 Food Products                              |      | 24                       | 44   | 43   |      | 5160  | 5883                | 5644  |      |      | 281566  | 353532                               | 389998  |      |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 1                        | 1    | 1    |      | 146   | 142                 | 152   |      |      | 7799    | 12033                                | 9627    |      |      |
| 3112 Dairy products                              |      | -                        | -    | -    |      | -     | -                   | -     |      |      | -       | -                                    | -       |      |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 2                        | 2    | 2    |      | 249   | 230                 | 237   |      |      | 8396    | 10732                                | 12847   |      |      |
| 3114 Canning, preserving and processing of fish  |      | -                        | -    | -    |      | -     | -                   | -     |      |      | -       | -                                    | -       |      |      |
| 3115 Vegetable and animal oils and fats          |      | 10                       | 11   | 10   |      | 2187  | 2112                | 1872  |      |      | 94334   | 126654                               | 131782  |      |      |
| 3116 Grain mill products                         |      | 3                        | 3    | 3    |      | 1289  | 1523                | 1639  |      |      | 76263   | 88836                                | 115613  |      |      |
| 3117 Bakery products                             |      | 1                        | 1    | 1    |      | 915   | 1162                | 1139  |      |      | 76263   | 67636                                | 77678   |      |      |
| 3118 Sugar factories and refineries              |      | 1                        | 1    | 1    |      | 183   | 198                 | 198   |      |      | 7692    | 18655                                | 18655   |      |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 1                        | 21   | 21   |      | 107   | 485                 | 379   |      |      | 6678    | 26990                                | 21982   |      |      |
| 3121 Other food products                         |      | 5                        | 4    | 4    |      | 84    | 31                  | 28    |      |      | 4342    | 2096                                 | 1914    |      |      |
| 3122 Prepared animal feeds                       |      | -                        | -    | -    |      | -     | -                   | -     |      |      | -       | -                                    | -       |      |      |
| 313 Beverages                                    |      | 2                        | 4    | 5    |      | 286   | 294                 | 306   |      |      | 23442   | 23346                                | 28542   |      |      |
| 3131 Distilling, rectifying and blending spirits |      | 1                        | 1    | 1    |      | 98    | 124                 | 125   |      |      | 5586    | 5891                                 | 9862    |      |      |
| 3132 Wine industries                             |      | -                        | -    | -    |      | -     | -                   | -     |      |      | -       | -                                    | -       |      |      |
| 3133 Malt liquors and malt                       |      | -                        | -    | -    |      | -     | -                   | -     |      |      | -       | -                                    | -       |      |      |
| 3134 Soft drinks and carbonated waters           |      | 1                        | 3    | 4    |      | 188   | 170                 | 181   |      |      | 17857   | 17455                                | 18680   |      |      |
| 314 Tobacco                                      |      | -                        | -    | -    |      | -     | -                   | -     |      |      | -       | -                                    | -       |      |      |
| 321 Textiles                                     |      | 78                       | 71   | 72   |      | 10468 | 12060               | 11497 |      |      | 463689  | 806821                               | 823231  |      |      |
| 3211 Spinning, weaving and finishing textiles    |      | -                        | -    | -    |      | -     | -                   | -     |      |      | -       | -                                    | -       |      |      |
| 3212 Made up textile goods excl. wearing apparel |      | -                        | -    | -    |      | -     | -                   | -     |      |      | -       | -                                    | -       |      |      |
| 3213 Knitting mills                              |      | 29                       | 25   | 24   |      | 300   | 233                 | 212   |      |      | 17569   | 12834                                | 15254   |      |      |
| 3214 Carpets and rugs                            |      | 9                        | 22   | 14   |      | 808   | 979                 | 961   |      |      | 45580   | 61092                                | 68245   |      |      |
| 3215 Cordage, rope and twine                     |      | -                        | -    | -    |      | -     | -                   | -     |      |      | -       | -                                    | -       |      |      |
| 3219 Other textiles                              |      | 40                       | 24   | 34   |      | 9360  | 10848               | 10324 |      |      | 400640  | 732896                               | 739732  |      |      |
| 322 Wearing apparel, except footwear             |      | 6                        | 9    | 8    |      | 30    | 102                 | 86    |      |      | 1172    | 4813                                 | 5052    |      |      |
| 323 Leather and fur products                     |      | 3                        | 5    | 6    |      | 174   | 305                 | 319   |      |      | 13317   | 32875                                | 36406   |      |      |
| 3231 Tanneries and leather finishing             |      | 3                        | 5    | 6    |      | 174   | 305                 | 319   |      |      | 13317   | 32875                                | 36406   |      |      |
| 3232 Fur dressing and dyeing industries          |      | -                        | -    | -    |      | -     | -                   | -     |      |      | -       | -                                    | -       |      |      |
| 3233 Leather prod. excl. wearing apparel         |      | -                        | -    | -    |      | -     | -                   | -     |      |      | -       | -                                    | -       |      |      |
| 324 Footwear, except rubber or plastic           |      | 10                       | 14   | 14   |      | 1000  | 1299                | 1046  |      |      | 60141   | 85601                                | 84068   |      |      |
| 331 Wood products, except furniture              |      | 3a/                      | 3a/  | 3a/  |      | 883a/ | 904a/               | 964a/ |      |      | 35570a/ | 47872a/                              | 70015a/ |      |      |
| 3311 Sawmills, planing and other wood mills      |      | -                        | -    | -    |      | -     | -                   | -     |      |      | -       | -                                    | -       |      |      |
| 3312 Wooden and cane containers                  |      | -                        | -    | -    |      | -     | -                   | -     |      |      | -       | -                                    | -       |      |      |
| 3319 Other wood and cork products                |      | 3b/                      | 3b/  | 3b/  |      | 883b/ | 904b/               | 964b/ |      |      | 35570b/ | 47872b/                              | 70015b/ |      |      |
| 332 Furniture and fixtures, excl. metal          |      | a/b/                     | a/b/ | a/b/ |      | a/b/  | a/b/                | a/b/  |      |      | a/b/    | a/b/                                 | a/b/    |      |      |
| 341 Paper and products                           |      | 9                        | 13   | 13   |      | 143   | 151                 | 160   |      |      | 9888    | 9284                                 | 9543    |      |      |
| 3411 Pulp, paper and paperboard articles         |      | 2                        | 2    | 2    |      | 25    | 21                  | 26    |      |      | 1455    | 1464                                 | 1579    |      |      |
| 3412 Containers of paper and paperboard          |      | -                        | -    | -    |      | -     | -                   | -     |      |      | -       | -                                    | -       |      |      |
| 3419 Other pulp, paper and paperboard articles   |      | 7                        | 11   | 11   |      | 118   | 130                 | 134   |      |      | 8433    | 7820                                 | 7964    |      |      |
| 342 Printing and publishing                      |      | 24                       | 24   | 24   |      | 2023  | 1550                | 1828  |      |      | 88403   | 99089                                | 144449  |      |      |
| 351 Industrial chemicals                         |      | 1                        | 1    | 1    |      | 2078  | 1963                | 1987  |      |      | 97266   | 150260                               | 160174  |      |      |
| 3511 Basic chemicals excl. fertilizers           |      | 1                        | 1    | 1    |      | 2078  | 1963                | 1987  |      |      | 97266   | 150260                               | 160174  |      |      |
| 3512 Fertilizers and pesticides                  |      | -                        | -    | -    |      | -     | -                   | -     |      |      | -       | -                                    | -       |      |      |
| 3513 Synthetic resins and plastic materials      |      | -                        | -    | -    |      | -     | -                   | -     |      |      | -       | -                                    | -       |      |      |
| 352 Other chemicals                              |      | 8                        | 8    | 8    |      | 2542  | 2714                | 2954  |      |      | 147289  | 167431                               | 200596  |      |      |
| 3521 Paints, varnishes and lacquers              |      | -                        | -    | -    |      | -     | -                   | -     |      |      | -       | -                                    | -       |      |      |
| 3522 Drugs and medicines                         |      | 4                        | 3    | 3    |      | 380   | 395                 | 394   |      |      | 42299   | 44545                                | 54012   |      |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | -                        | -    | -    |      | -     | -                   | -     |      |      | -       | -                                    | -       |      |      |
| 3529 Other chemical products                     |      | 4                        | 5    | 5    |      | 2162  | 2319                | 2560  |      |      | 104990  | 122886                               | 146584  |      |      |
| 353 Petroleum refineries                         |      | -                        | -    | -    |      | -     | -                   | -     |      |      | -       | -                                    | -       |      |      |

|   |     |     |     |       |       |       |         |         |         |
|---|-----|-----|-----|-------|-------|-------|---------|---------|---------|
| 354 Misc petroleum and coal products            | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 355 Rubber products                             | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3551 Tyres and tubes                            | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3559 Other rubber products                      | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 356 Plastic products                            | 42  | 65  | 71  | 526   | 726   | 669   | 34460   | 62474   | 64887   |
| 361 Pottery, china, earthenware                 | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 362 Glass and products                          | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 369 Other non-metallic mineral products         | 2   | 2   | 2   | 844   | 718   | 929   | 42898   | 38477   | 57344   |
| 3691 Structural clay products                   | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3692 Cement, lime and plaster                   | 2   | 2   | 2   | 844   | 718   | 929   | 42898   | 38477   | 57344   |
| 3699 Other non-metallic mineral products        | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 371 Iron and steel                              | -   | 1   | 1   | -     | 212   | 151   | -       | 21448   | 21501   |
| 372 Non-ferrous metals                          | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 381 Fabricated metal products                   | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3811 Cutlery, hand tools and general hardware   | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3812 Furniture and fixtures primarily of metal  | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3813 Structural metal products                  | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3819 Other fabricated metal products            | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 382 Non-electrical machinery                    | -   | 2   | 2   | -     | 4     | 4     | -       | 558     | 558     |
| 3821 Engines and turbines                       | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3822 Agricultural machinery and equipment       | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3823 Metal and wood working machinery           | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3824 Other special industrial machinery         | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3825 Office, computing and accounting machinery | -   | 2   | 2   | -     | 4     | 4     | -       | 558     | 558     |
| 3829 Other non-electrical machinery & equipment | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 383 Electrical machinery                        | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3831 Electrical industrial machinery            | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3832 Radio, television and communication equipa | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3833 Electrical appliances and housewares       | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3839 Other electrical apparatus and supplies    | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 384 Transport equipment                         | -   | -   | 1   | -     | -     | 4     | -       | -       | 420     |
| 3841 Shipbuilding and repairing                 | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3842 Railroad equipment                         | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3843 Motor vehicles                             | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3844 Motorcycles and bicycles                   | -   | -   | 1   | -     | -     | 4     | -       | -       | 420     |
| 3845 Aircraft                                   | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3849 Other transport equipment                  | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 385 Professional and scientific equipment       | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3851 Prof and scientific equipment n e c        | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3852 Photographic and optical goods             | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3853 Watches and clocks                         | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 390 Other manufacturing industries              | 65  | 123 | 149 | 2762  | 10109 | 8679  | 268294  | 802000  | 740446  |
| 3901 Jewellery and related articles             | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3902 Musical instruments                        | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3903 Sporting and athletic goods                | -   | -   | -   | -     | -     | -     | -       | -       | -       |
| 3909 Manufacturing industries, n e c            | 65  | 123 | 149 | 2762  | 10109 | 8679  | 268294  | 802000  | 740446  |
| 3 Total manufacturing                           | 277 | 389 | 423 | 28919 | 38994 | 37227 | 1567385 | 2695881 | 2827230 |

a/ 331 includes 332

b/ 3319 includes 332

## Afghanistan

| ISIC Industry                                    | Note | Output             |       |       |      | Note | Value added        |      |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|--------------------|-------|-------|------|------|--------------------|------|------|------|--------------------------------|------|--|------|
|  |      | (million AFGHANIS) |       |       |      |      | (million AFGHANIS) |      |      |      | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985               | 1987  | 1988  | 1989 |      | 1985               | 1987 | 1988 | 1989 | 1985                           | 1989 | 1985                                       | 1989 |
| 311/2 Food Products                              |      | 4197               | 5117  | 4019  |      |      |                    |      |      |      |                                |      |  |      |
| 3111 Slaughtering, preparing & preserving meat   |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3112 Dairy products                              |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3113 Canning, preserving of fruits & vegetables  |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3114 Canning, preserving and processing of fish  |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3115 Vegetable and animal oils and fats          |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3116 Grain mill products                         |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3117 Bakery products                             |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3118 Sugar factories and refineries              |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3121 Other food products                         |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3122 Prepared animal feeds                       |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 313 Beverages                                    |      | 367                | 487   | 420   |      |      |                    |      |      |      |                                |      |  |      |
| 3131 Distilling, rectifying and blending spirits |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3132 Wine industries                             |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3133 Malt liquors and malt                       |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3134 Soft drinks and carbonated waters           |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 314 Tobacco                                      |      | -                  | -     | -     |      |      |                    |      |      |      |                                |      |  |      |
| 321 Textiles                                     |      | 2380               | 2530  | 1760  |      |      |                    |      |      |      |                                |      |  |      |
| 3211 Spinning, weaving and finishing textiles    |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3212 Made-up textile goods excl wearing apparel  |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3213 Knitting mills                              |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3214 Carpets and rugs                            |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3215 Cordage, rope and twine                     |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3219 Other textiles                              |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 322 Wearing apparel, except footwear             |      | 6                  | 12    | 80    |      |      |                    |      |      |      |                                |      |  |      |
| 323 Leather and fur products                     |      | 562                | 790   | 2678  |      |      |                    |      |      |      |                                |      |  |      |
| 3231 Tanneries and leather finishing             |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3232 Fur dressing and dyeing industries          |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3233 Leather prods excl wearing apparel          |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 324 Footwear, except rubber or plastic           |      | 648                | 719   | 999   |      |      |                    |      |      |      |                                |      |  |      |
| 331 Wood products, except furniture              |      | 80a/               | 193a/ | 110a/ |      |      |                    |      |      |      |                                |      |  |      |
| 3311 Sawmills, planing and other wood mills      |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3312 Wooden and cane containers                  |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3319 Other wood and cork products                |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 332 Furniture and fixtures, excl metal           |      | a/                 | a/    | a/    |      |      |                    |      |      |      |                                |      |  |      |
| 341 Paper and products                           |      | 114                | 121   | 191   |      |      |                    |      |      |      |                                |      |  |      |
| 3411 Pulp, paper and paperboard articles         |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3412 Containers of paper and paperboard          |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3419 Other pulp, paper and paperboard articles   |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 342 Printing and publishing                      |      | 1210               | 862   | 1070  |      |      |                    |      |      |      |                                |      |  |      |
| 351 Industrial chemicals                         |      | 878                | 864   | 1063  |      |      |                    |      |      |      |                                |      |  |      |
| 3511 Basic chemicals excl fertilizers            |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3512 Fertilizers and pesticides                  |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3513 Synthetic resins and plastic materials      |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 352 Other chemicals                              |      | 927                | 1067  | 632   |      |      |                    |      |      |      |                                |      |  |      |
| 3521 Paints, varnishes and lacquers              |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3522 Drugs and medicines                         |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 3529 Other chemical products                     |      |                    |       |       |      |      |                    |      |      |      |                                |      |  |      |
| 353 Petroleum refineries                         |      | -                  | -     | -     |      |      |                    |      |      |      |                                |      |  |      |

|   |       |       |       |
|---|-------|-------|-------|
| 354 Misc petroleum and coal products            | -     | -     | -     |
| 355 Rubber products                             | -     | -     | -     |
| 3551 Tyres and tubes                            | -     | -     | -     |
| 3559 Other rubber products                      | -     | -     | -     |
| 356 Plastic products                            | 298   | 441   | 452   |
| 361 Pottery, china, earthenware                 | -     | -     | -     |
| 362 Glass and products                          | -     | -     | -     |
| 369 Other non-metallic mineral products         | 306   | 374   | 251   |
| 3691 Structural clay products                   | -     | -     | -     |
| 3692 Cement, lime and plaster                   | -     | -     | -     |
| 3699 Other non-metallic mineral products        | -     | -     | -     |
| 371 Iron and steel                              | -     | 44    | 97    |
| 372 Non-ferrous metals                          | -     | -     | -     |
| 381 Fabricated metal products                   | -     | -     | -     |
| 3811 Cutlery, hand tools and general hardware   | -     | -     | -     |
| 3812 Furniture and fixtures primarily of metal  | -     | -     | -     |
| 3813 Structural metal products                  | -     | -     | -     |
| 3819 Other fabricated metal products            | -     | -     | -     |
| 382 Non-electrical machinery                    | -     | 4     | 4     |
| 3821 Engines and turbines                       | -     | -     | -     |
| 3822 Agricultural machinery and equipment       | -     | -     | -     |
| 3823 Metal and wood working machinery           | -     | -     | -     |
| 3824 Other special industrial machinery         | -     | -     | -     |
| 3825 Office, computing and accounting machinery | -     | -     | -     |
| 3829 Other non-electrical machinery & equipment | -     | -     | -     |
| 383 Electrical machinery                        | -     | -     | -     |
| 3831 Electrical industrial machinery            | -     | -     | -     |
| 3832 Radio, television and communication equipm | -     | -     | -     |
| 3833 Electrical appliances and housewares       | -     | -     | -     |
| 3839 Other electrical apparatus and supplies    | -     | -     | -     |
| 384 Transport equipment                         | -     | -     | 18    |
| 3841 Shipbuilding and repairing                 | -     | -     | -     |
| 3842 Railroad equipment                         | -     | -     | -     |
| 3843 Motor vehicles                             | -     | -     | -     |
| 3844 Motorcycles and bicycles                   | -     | -     | -     |
| 3845 Aircraft                                   | -     | -     | -     |
| 3849 Other transport equipment                  | -     | -     | -     |
| 385 Professional and scientific equipment       | -     | -     | -     |
| 3851 Prof. and scientific equipment n e c       | -     | -     | -     |
| 3852 Photographic and optical goods             | -     | -     | -     |
| 3853 Watches and clocks                         | -     | -     | -     |
| 390 Other manufacturing industries              | 7213  | 9309  | 8157  |
| 3901 Jewellery and related articles             | -     | -     | -     |
| 3902 Musical instruments                        | -     | -     | -     |
| 3903 Sporting and athletic goods                | -     | -     | -     |
| 3909 Manufacturing industries, n e c            | -     | -     | -     |
| 3 Total manufacturing                           | 19186 | 22924 | 21991 |

a/ 331 includes 332

Afghanistan

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|------|------|--|------|------|------|------|------|------|------|
|   |      | (million AFGHANIS)            |      |      |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1987 | 1988 | 1989 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 313 Beverages                             |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 314 Tobacco                               |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 321 Textiles                              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 322 wearing apparel, except footwear      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 323 Leather and fur products              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 331 wood products, except furniture       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 332 Furniture and fixtures, excl metal    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 342 Printing and publishing               |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 352 Other chemicals                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 354 Misc petroleum and coal products      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 356 Plastic products                      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 362 Glass and products                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 382 Non-electrical machinery              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 384 Transport equipment                   |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 385 Professional and scientific equipment |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |



## ALBANIA

**Supplier of information:**

Directorate of Statistics, Ministry of Economy, Tirana.

**Basic source of data:**

Not reported

**Major deviations from current version of ISIC:**

None reported

**Reference period (if not calendar year):**

**Scope:**

State sector only

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported

**Concepts and definitions of variables:**

Wages and salaries is computed by UNIDO from reported wages and salaries per employee.

**Related national publications:**

## Albania

| ISIC Industry                             | Note | Number of establishments |      |      |      | Note    | Number of employees |         |      |      | Note     | Wages and salaries paid to employees |          |      |      |
|---|------|--------------------------|------|------|------|---------|---------------------|---------|------|------|----------|--------------------------------------|----------|------|------|
|   |      | (numbers)                |      |      |      |         | (numbers)           |         |      |      |          | (thousand LERs)                      |          |      |      |
|   |      | 1985                     | 1988 | 1989 | 1990 |         | 1985                | 1988    | 1989 | 1990 |          | 1985                                 | 1988     | 1989 | 1990 |
| 311/2 Food Products                       |      |                          |      |      |      | 28488a/ | 33285a/             | 34191a/ |      |      | 148707a/ | 196914a/                             | 210069a/ |      |      |
| 313 Beverages                             |      |                          |      |      |      | a/      | a/                  | a/      |      |      | a/       | a/                                   | a/       |      |      |
| 314 Tobacco                               |      |                          |      |      |      | a/      | a/                  | a/      |      |      | a/       | a/                                   | a/       |      |      |
| 321 Textiles                              |      |                          |      |      |      | 61728b/ | 65344b/             | 73034b/ |      |      | 340738b/ | 366971b/                             | 418046b/ |      |      |
| 322 Wearing apparel, except footwear      |      |                          |      |      |      | b/      | b/                  | b/      |      |      | b/       | b/                                   | b/       |      |      |
| 323 Leather and fur products              |      |                          |      |      |      | b/      | b/                  | b/      |      |      | b/       | b/                                   | b/       |      |      |
| 324 Footwear, except rubber or plastic    |      |                          |      |      |      | b/      | b/                  | b/      |      |      | b/       | b/                                   | b/       |      |      |
| 331 Wood products, except furniture       |      |                          |      |      | c/   | 22696d/ | 23420d/             | 23666a/ | c/   |      | 139444d/ | 147264d/                             | 149096d/ |      |      |
| 332 Furniture and fixtures, excl metal    |      |                          |      |      |      | d/      | d/                  | d/      |      |      | d/       | d/                                   | d/       |      |      |
| 341 Paper and products                    |      |                          |      |      |      | 2346    | 2426                | 2486    |      |      | 13786    | 14323                                | 16437    |      |      |
| 342 Printing and publishing               |      |                          |      |      |      | 2984    | 3106                | 3169    |      |      | 14789    | 15426                                | 17379    |      |      |
| 351 Industrial chemicals                  |      |                          |      |      |      | 8388e/  | 8507e/              | 8808e/  |      |      | 56361e/  | 57066e/                              | 60362e/  |      |      |
| 352 Other chemicals                       |      |                          |      |      |      | e/      | e/                  | e/      |      |      | e/       | e/                                   | e/       |      |      |
| 353 Petroleum refineries                  |      |                          |      |      |      | e/      | e/                  | e/      |      |      | e/       | e/                                   | e/       |      |      |
| 354 Misc petroleum and coal products      |      |                          |      |      |      | e/      | e/                  | e/      |      |      | e/       | e/                                   | e/       |      |      |
| 355 Rubber products                       |      |                          |      |      |      | e/      | e/                  | e/      |      |      | e/       | e/                                   | e/       |      |      |
| 356 Plastic products                      |      |                          |      |      |      | e/      | e/                  | e/      |      |      | e/       | e/                                   | e/       |      |      |
| 361 Pottery, china, earthenware           |      |                          |      |      |      | 3869f/  | 4151f/              | 4383f/  |      |      | 24660f/  | 26899f/                              | 29980f/  |      |      |
| 362 Glass and products                    |      |                          |      |      |      | f/      | f/                  | f/      |      |      | f/       | f/                                   | f/       |      |      |
| 369 Other non-metallic mineral products   |      |                          |      |      |      | 23879   | 24252               | 24871   |      |      | 159607   | 167629                               | 172606   |      |      |
| 371 Iron and steel                        |      |                          |      |      |      | 8378g/  | 8849g/              | 9393g/  |      |      | 60221g/  | 66306g/                              | 72816g/  |      |      |
| 372 Non-ferrous metals                    |      |                          |      |      |      | g/      | g/                  | g/      |      |      | g/       | g/                                   | g/       |      |      |
| 381 Fabricated metal products             |      |                          |      |      |      | 56860h/ | 59148h/             | 59164h/ |      |      | 385510h/ | 399603h/                             | 416331h/ |      |      |
| 382 Non-electrical machinery              |      |                          |      |      |      | h/      | h/                  | h/      |      |      | h/       | h/                                   | h/       |      |      |
| 383 Electrical machinery                  |      |                          |      |      |      | h/      | h/                  | h/      |      |      | h/       | h/                                   | h/       |      |      |
| 384 Transport equipment                   |      |                          |      |      |      | h/      | h/                  | h/      |      |      | h/       | h/                                   | h/       |      |      |
| 385 Professional and scientific equipment |      |                          |      |      |      | h/      | h/                  | h/      |      |      | h/       | h/                                   | h/       |      |      |
| 390 Other manufacturing industries        | i/   |                          |      |      |      | 8319    | 8672                | 8906    | i/   |      | 40730    | 46372                                | 40611    |      |      |
| J Total manufacturing                     |      |                          |      |      |      | 227936  | 241159              | 252071  |      |      | 1383433  | 1502671                              | 1602620  |      |      |

a/ 311/2 includes 313 and 314

c/ Including timber industry.

e/ 351 includes 352, 353, 354, 355 and 356

g/ 371 includes 372

i/ 390 includes repairs and maintenance and all other industries not included elsewhere

b/ 321 includes 322, 323 and 324

d/ 331 includes 332

f/ 361 includes 362

h/ 381 includes 382, 383, 384 and 385

## Albania

| ISIC Industry                             | Note | Output         |      |      |      | Note | Value added    |      |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|----------------|------|------|------|------|----------------|------|------|------|--------------------------------|------|--|------|
|   |      | (million LEKS) |      |      |      |      | (million LEKS) |      |      |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985           | 1988 | 1989 | 1990 |      | 1985           | 1988 | 1989 | 1990 | 1985                           | 1990 | 1985                                       | 1990 |
| 311/2 Food Products                       |      | ..             | ..   | ..   | ..   | a/   | 1278           | 1468 | 1527 | 1060 | ..                             | ..   | ..   | 19.8 |
| 313 Beverages                             |      | ..             | ..   | ..   | ..   | a/   | ..             | ..   | ..   | ..   | ..                             | ..   | ..   | ..   |
| 314 Tobacco                               |      | ..             | ..   | ..   | ..   | a/   | ..             | ..   | ..   | ..   | ..                             | ..   | ..   | ..   |
| 321 Textiles                              |      | ..             | ..   | ..   | ..   | b/   | 1312           | 1240 | 1480 | 1469 | ..                             | ..   | ..   | 28.6 |
| 322 Wearing apparel, except footwear      |      | ..             | ..   | ..   | ..   | b/   | ..             | ..   | ..   | ..   | ..                             | ..   | ..   | ..   |
| 323 Leather and fur products              |      | ..             | ..   | ..   | ..   | b/   | ..             | ..   | ..   | ..   | ..                             | ..   | ..   | ..   |
| 324 Footwear, except rubber or plastic    |      | ..             | ..   | ..   | ..   | b/   | ..             | ..   | ..   | ..   | ..                             | ..   | ..   | ..   |
| 331 Wood products, except furniture       |      | ..             | ..   | ..   | ..   | c/d/ | 300            | 347  | 380  | 290  | ..                             | ..   | ..   | ..   |
| 332 Furniture and fixtures, excl. metal   |      | ..             | ..   | ..   | ..   | c/   | ..             | ..   | ..   | ..   | ..                             | ..   | ..   | ..   |
| 341 Paper and products                    |      | ..             | ..   | ..   | ..   | c/   | ..             | ..   | ..   | ..   | ..                             | ..   | ..   | ..   |
| 342 Printing and publishing               |      | ..             | ..   | ..   | ..   | c/   | 50             | 54   | 43   | 48   | ..                             | ..   | ..   | 36.2 |
| 351 Industrial chemicals                  |      | ..             | ..   | ..   | ..   | e/   | 382            | 387  | 446  | 341  | ..                             | ..   | ..   | 17.7 |
| 352 Other chemicals                       |      | ..             | ..   | ..   | ..   | e/   | ..             | ..   | ..   | ..   | ..                             | ..   | ..   | ..   |
| 353 Petroleum refineries                  |      | ..             | ..   | ..   | ..   | e/   | ..             | ..   | ..   | ..   | ..                             | ..   | ..   | ..   |
| 354 Misc. petroleum and coal products     |      | ..             | ..   | ..   | ..   | e/   | ..             | ..   | ..   | ..   | ..                             | ..   | ..   | ..   |
| 355 Rubber products                       |      | ..             | ..   | ..   | ..   | e/   | ..             | ..   | ..   | ..   | ..                             | ..   | ..   | ..   |
| 356 Plastic products                      |      | ..             | ..   | ..   | ..   | e/   | ..             | ..   | ..   | ..   | ..                             | ..   | ..   | ..   |
| 361 Pottery, china, earthenware           |      | ..             | ..   | ..   | ..   | f/   | 186            | 197  | 223  | 154  | ..                             | ..   | ..   | ..   |
| 362 Glass and products                    |      | ..             | ..   | ..   | ..   | f/   | ..             | ..   | ..   | ..   | ..                             | ..   | ..   | ..   |
| 369 Other non-metallic mineral products   |      | ..             | ..   | ..   | ..   | f/   | ..             | ..   | ..   | ..   | ..                             | ..   | ..   | ..   |
| 371 Iron and steel                        |      | ..             | ..   | ..   | ..   | ..   | ..             | ..   | ..   | ..   | ..                             | ..   | ..   | ..   |
| 372 Non-ferrous metals                    |      | ..             | ..   | ..   | ..   | ..   | ..             | ..   | ..   | ..   | ..                             | ..   | ..   | ..   |
| 381 Fabricated metal products             |      | ..             | ..   | ..   | ..   | g/   | 954            | 840  | 928  | 889  | ..                             | ..   | ..   | 46.7 |
| 382 Non-electrical machinery              |      | ..             | ..   | ..   | ..   | g/   | ..             | ..   | ..   | ..   | ..                             | ..   | ..   | ..   |
| 383 Electrical machinery                  |      | ..             | ..   | ..   | ..   | g/   | ..             | ..   | ..   | ..   | ..                             | ..   | ..   | ..   |
| 384 Transport equipment                   |      | ..             | ..   | ..   | ..   | g/   | ..             | ..   | ..   | ..   | ..                             | ..   | ..   | ..   |
| 385 Professional and scientific equipment |      | ..             | ..   | ..   | ..   | g/   | ..             | ..   | ..   | ..   | ..                             | ..   | ..   | ..   |
| 390 Other manufacturing industries        |      | ..             | ..   | ..   | ..   | h/   | 286            | 273  | 307  | 177  | ..                             | ..   | ..   | 22.9 |
| 3 Total manufacturing                     |      | ..             | ..   | ..   | ..   | ..   | 4728           | 4806 | 5314 | 4428 | ..                             | ..   | ..   | 36.2 |

a/ 311/2 includes 313 and 314

c/ 331 includes 332 and 341

e/ 351 includes 352, 353, 354, 355 and 356

g/ 381 includes 382, 383, 384 and 385

b/ 321 includes 322, 323 and 324

d/ including timber industry.

f/ 361 includes 362 and 369.

h/ 390 includes repairs and maintenance and all other industries not included elsewhere.

## Albania

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|------|------|--|------|------|------|------|------|------|------|
|   |      | (million LEKS)                |      |      |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1988 | 1989 | 1990 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 313 Beverages                             |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 314 Tobacco                               |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 321 Textiles                              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 322 Wearing apparel, except footwear      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 323 Leather and fur products              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 332 Furniture and fixtures, excl. metal   |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 342 Printing and publishing               |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 352 Other chemicals                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 354 Misc. petroleum and coal products     |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 356 Plastic products                      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 362 Glass and products                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 382 Non-electrical machinery              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 384 Transport equipment                   |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 385 Professional and scientific equipment |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |

## ARMENIA

**Supplier of information:**

State Committee on Statistics of the Republic of Armenia, Yerevan.

**Basic source of data:**

Not reported.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

Not reported.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Wages and salaries is computed by UNIDO from reported wages and salaries per employee.

**Related national publications:**

Armenia

| ISIC Industry                             | Note | Number of establishments<br>(numbers) |       |       |       | Note | Number of persons engaged<br>(numbers) |        |        |      | Note | Wages and salaries paid<br>to employees<br>(thousand Roubles) |         |         |      |
|---|------|---------------------------------------|-------|-------|-------|------|--|--------|--------|------|------|---|---------|---------|------|
|   |      | 1985                                  | 1989  | 1990  | 1991  |      | 1985                                   | 1989   | 1990   | 1991 |      | 1985  | 1989    | 1990    | 1991 |
| 311/2 Food Products                       |      |                                       | 88    | 86    | 86    |      | 22630                                  | 22001  | 20971  |      |      | 60123   | 58637   | 78566   |      |
| 313 Beverages                             |      |                                       | 44    | 44    | 43    |      | 6064                                   | 5728   | 5038   |      |      | 14641   | 13871   | 18778   |      |
| 314 Tobacco                               |      |                                       | 5     | 5     | 5     |      | 1281                                   | 1125   | 1050   |      |      | 3754  | 3611    | 4622    |      |
| 321 Textiles                              |      |                                       | 43    | 46    | 46    |      | 48665                                  | 44856  | 39198  |      |      | 138228  | 126063  | 144264  |      |
| 322 Wearing apparel, except footwear      |      |                                       | 73    | 75    | 91    |      | 37546                                  | 37556  | 36265  |      |      | 105429  | 106223  | 137909  |      |
| 323 Leather and fur products              |      |                                       | 3     | 3     | 4     |      | 2049                                   | 1853   | 2067   |      |      | 8295  | 8482    | 9581    |      |
| 324 Footwear, except rubber or plastic    |      |                                       | 20    | 19    | 26    |      | 18517                                  | 18069  | 16669  |      |      | 58482   | 60972   | 68590   |      |
| 331 Wood products, except furniture       |      |                                       | 11    | 13    | 12    |      | 2854                                   | 2886   | 1958   |      |      | 8733  | 8630    | 8477    |      |
| 332 Furniture and fixtures, excl metal    |      |                                       | 21    | 22    | 24    |      | 6241                                   | 5827   | 5246   |      |      | 18716   | 17600   | 21700   |      |
| 341 Paper and products                    |      |                                       | 1     | 1     | 1     |      | 615                                    | 589    | 527    |      |      | 1637  | 1551    | 1728    |      |
| 342 Printing and publishing               |      |                                       | 53    | 52    | 52    |      | 3367                                   | 3148   | 2953   |      |      | 8287  | 8469    | 12916   |      |
| 351 Industrial chemicals                  |      |                                       | 7     | 7     | 7     |      | 12546                                  | 9036   | 8425   |      |      | 37277   | 23237   | 49802   |      |
| 352 Other chemicals                       |      |                                       | 7     | 7     | 7     |      | 3257                                   | 3047   | 2709   |      |      | 9540  | 8822    | 12406   |      |
| 353 Petroleum refineries                  |      |                                       | a/    | a/    | a/    | b/   |  |        |        | b/   |      |   |         |         |      |
| 354 Misc petroleum and coal products      |      |                                       | 2     | 2     | 2     | b/   |  |        |        | b/   |      |   |         |         |      |
| 355 Rubber products                       |      |                                       | 5     | 3     | 5     |      | 3452                                   | 3123   | 2508   |      |      | 9022  | 8361    | 10766   |      |
| 356 Plastic products                      |      |                                       | 3     | 3     | 5     |      | 2177                                   | 2028   | 1693   |      |      | 6510  | 6507    | 8141    |      |
| 361 Pottery, china, earthenware           |      |                                       | 2     | 2     | 2     |      | 1030                                   | 1036   | 992    |      |      | 3078  | 3135    | 4862    |      |
| 362 Glass and products                    |      |                                       | 6     | 5     | 5     |      | 3613                                   | 3331   | 3190   |      |      | 11667   | 10485   | 17494   |      |
| 369 Other non-metallic mineral products   |      |                                       | 79    | 85    | 73    |      | 18635                                  | 18923  | 18359  |      |      | 65364   | 74776   | 102311  |      |
| 371 Iron and steel                        |      |                                       | 2     | 3     | 3     |      | 1487                                   | 2154   | 2141   |      |      | 6966  | 8933    | 14030   |      |
| 372 Non-ferrous metals                    |      |                                       | 4     | 3     | 3     |      | 4578                                   | 4521   | 4292   |      |      | 15399   | 16834   | 25711   |      |
| 381 Fabricated metal products             |      |                                       | 62    | 59    | 57    |      | 9921                                   | 9686   | 8509   |      |      | 33454   | 34044   | 41885   |      |
| 382 Non-electrical machinery              |      |                                       | 59    | 60    | 60    |      | 79877                                  | 74562  | 66717  |      |      | 240781  | 251513  | 298385  |      |
| 383 Electrical machinery                  |      |                                       | 32    | 31    | 34    |      | 35896                                  | 33796  | 31689  |      |      | 105289  | 106498  | 146669  |      |
| 384 Transport equipment                   |      |                                       | 6     | 6     | 6     |      | 6533                                   | 5543   | 6077   |      |      | 20289   | 17534   | 24753   |      |
| 385 Professional and scientific equipment |      |                                       | 18    | 20    | 20    |      | 35453                                  | 34184  | 30138  |      |      | 99977   | 109896  | 124084  |      |
| 390 Other manufacturing industries        |      |                                       | 14    | 13    | 19    |      | 5608                                   | 5526   | 5291   |      |      | 12423   | 12367   | 15556   |      |
| 3 Total manufacturing                     |      |                                       | 670a/ | 675a/ | 698a/ | b/   | 373692                                 | 354134 | 323672 | b/   |      | 1100340   | 1104850 | 1404084 |      |

a/ Total manufacturing excludes 353

b/ Total manufacturing excludes 353 and 354

## Armenia

| ISIC Industry                             | Note | Output in producers' prices |           |           |            | Note | Value added in producers' prices |         |         |          | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-----------------------------|-----------|-----------|------------|------|----------------------------------|---------|---------|----------|--------------------------------|------|--|------|
|   |      | (thousand ROUBLES)          |           |           |            |      | (thousand ROUBLES)               |         |         |          | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                        | 1989      | 1990      | 1991       |      | 1985                             | 1989    | 1990    | 1991     | 1985                           | 1991 | 1985                                       | 1991 |
| 311/2 Food Products                       |      |                             | 891769    | 773920    | 2073718    |      |                                  | 62887   | 50207   | 85907    |                                | 4.1  |  | 91.6 |
| 313 Beverages                             |      |                             | 371582    | 273893    | 1190987    |      |                                  | 42572   | 19014   | 268014   |                                | 22.5 |  | 7.0  |
| 314 Tobacco                               |      |                             | 129371    | 95300     | 161112     |      |                                  | 12982   | 22466   | 31177    |                                | 19.4 |  | 14.8 |
| 321 Textiles                              |      |                             | 714547    | 703525    | 1145622    |      |                                  | 111281  | 98893   | 210011   |                                | 18.3 |  | 58.7 |
| 322 Wearing apparel, except footwear      |      |                             | 711596    | 829093    | 1390640    |      |                                  | 125466  | 127405  | 290466   |                                | 20.9 |  | 47.6 |
| 323 Leather and fur products              |      |                             | 45001     | 47277     | 107028     |      |                                  | 60769a/ | 47868a/ | 116490a/ |                                |      |  |      |
| 324 Footwear, except rubber or plastic    |      |                             | 281897    | 276593    | 417853     |      |                                  | a/      | a/      | a/       |                                |      |  |      |
| 331 Wood products, except furniture       |      |                             | 37227     | 35098     | 36242      |      |                                  | 26619   | 19768   | 25906    |                                | 73.6 |  | 32.7 |
| 332 Furniture and fixtures, excl metal    |      |                             | 106778    | 99326     | 143680     |      |                                  |         |         |          |                                |      |  |      |
| 341 Paper and products                    |      |                             | 17595     | 16260     | 26853      |      |                                  | 2957    | 1610    | 3491     |                                | 13.1 |  | 49.6 |
| 342 Printing and publishing               |      |                             | 19023     | 18981     | 31014      |      |                                  | 9676    | 3933    | 5776     |                                | 18.6 |  |      |
| 351 Industrial chemicals                  |      |                             | 282695    | 124755    | 309968     |      |                                  | 10886   | -57819  | -17851   |                                |      |  |      |
| 352 Other chemicals                       |      |                             | 122786    | 102683    | 193245     |      |                                  | 12091   | 8785    | 10920    |                                | 5.6  |  |      |
| 353 Petroleum refineries                  |      |                             | b/        | b/        | b/         |      |                                  |         |         |          |                                |      |  |      |
| 354 Misc petroleum and coal products      |      |                             | 13349     | 11230     | 11899      |      |                                  |         |         |          |                                |      |  |      |
| 355 Rubber products                       |      |                             | 79122     | 57663     | 114423     |      |                                  | 2904    | -12106  | 3603     |                                | 3.1  |  |      |
| 356 Plastic products                      |      |                             | 12528     | 13264     | 31807      |      |                                  | 9477    | 6342    | 18904    |                                | 59.4 |  | 43.1 |
| 361 Pottery, china, earthenware           |      |                             | 8990      | 8734      | 18006      |      |                                  | 5618c/  | 2253c/  | 7925c/   |                                |      |  |      |
| 362 Glass and products                    |      |                             | 54117     | 43908     | 90877      |      |                                  | c/      | c/      | c/       |                                |      |  |      |
| 369 Other non-metallic mineral products   |      |                             | 308848    | 282106    | 485780     |      |                                  |         |         |          |                                |      |  |      |
| 371 Iron and steel                        |      |                             | 24849     | 26070     | 42928      |      |                                  | 3639    | 1414    | 3706     |                                | 8.6  |  |      |
| 372 Non-ferrous metals                    |      |                             | 123213    | 98702     | 189496     |      |                                  | 46641   | 28510   | 59669    |                                | 31.6 |  | 43.1 |
| 381 Fabricated metal products             |      |                             | 276966    | 244538    | 218399     |      |                                  |         |         |          |                                |      |  |      |
| 382 Non-electrical machinery              |      |                             | 1102302   | 1042612   | 1213316    |      |                                  |         |         |          |                                |      |  |      |
| 383 Electrical machinery                  |      |                             | 648358    | 572631    | 806132     |      |                                  |         |         |          |                                |      |  |      |
| 384 Transport equipment                   |      |                             | 87487     | 89144     | 148367     |      |                                  | 117879  | 95097   | 209050   |                                | 26.0 |  | 70.2 |
| 385 Professional and scientific equipment |      |                             | 473692    | 443683    | 507866     |      |                                  | 1837    | 6070    | 6306     |                                | 3.6  |  |      |
| 390 Other manufacturing industries        |      |                             | 268931    | 637198    | 1571252    |      |                                  |         |         |          |                                |      |  |      |
| 3 Total manufacturing                     |      |                             | 7203519b/ | 6566386b/ | 12682010b/ | d/   |                                  | 665970  | 468790  | 1338476  |                                |      |  |      |

a/ 323 includes 324  
c/ 361 includes 362

b/ Total manufacturing excludes 353.  
d/ Sum of available data

Armenia

| ISIC Industry                             | Gross fixed capital formation |                    |      |      | Index numbers of industrial production |      |            |      |      |      |      |      |      |      |      |  |
|---|-------------------------------|--------------------|------|------|--|------|------------|------|------|------|------|------|------|------|------|--|
|   | Note                          | (thousand ROUBLES) |      |      |  | Note | (1980=100) |      |      |      |      |      |      |      |      |  |
|   |                               | 1985               | 1989 | 1990 | 1991                                   |      | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |  |
| 311/2 Food Products                       |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 313 Beverages                             |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 314 Tobacco                               |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 321 Textiles                              |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 322 Wearing apparel, except footwear      |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 323 Leather and fur products              |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 324 Footwear, except rubber or plastic    |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 331 Wood products, except furniture       |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 332 Furniture and fixtures, excl. metal   |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 341 Paper and products                    |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 342 Printing and publishing               |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 351 Industrial chemicals                  |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 352 Other chemicals                       |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 353 Petroleum refineries                  |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 354 Misc petroleum and coal products      |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 355 Rubber products                       |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 356 Plastic products                      |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 361 Pottery, china, earthenware           |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 362 Glass and products                    |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 369 Other non-metallic mineral products   |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 371 Iron and steel                        |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 372 Non-ferrous metals                    |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 381 Fabricated metal products             |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 382 Non-electrical machinery              |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 383 Electrical machinery                  |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 384 Transport equipment                   |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 385 Professional and scientific equipment |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 390 Other manufacturing industries        |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 3 Total manufacturing                     |                               | ...                | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |



## AUSTRALIA

**Supplier of information:**

Australian Bureau of Statistics, Canberra.

The index numbers of industrial production are compiled by the Institute of Applied Economic and Social Research, University of Melbourne.

Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

**Basic source of data:**

Annual census of manufacturing establishments.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):**

Fiscal year beginning 1 July of the year indicated.

**Scope:**

Through 1989, all manufacturing establishments owned by multi-establishment enterprises and single establishment manufacturing enterprises with four or more persons employed. Beginning 1990, all establishments.

The index numbers of industrial production cover, in principle, establishments with 4 or more persons engaged or those using power equipment.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of establishments is the number on 30 June. The establishment is the smallest accounting unit of a business within an Australian state or territory, controlling its productive activities and maintaining a specific range of detailed data enabling value added to be calculated. In general, an establishment covers all operations at a physical location but may consist of a group of locations provided they are within the same state or territory. The majority of establishments operate at one location only.

Through 1989, number of employees refers to the average number of persons employed over the year. Beginning 1990, the number of persons engaged is taken, including working proprietors and employees on the payroll for the last pay period in June of each year.

Wages and salaries paid to employees is gross wages and salaries of all employees.

Output is turnover measured as sales of goods (exclusive of excise and sales tax), whether produced by the establishment or not, plus transfers out of goods to other establishments of the same business, plus bounties and subsidies on production, plus all other operating revenue from outside the business (such as commission revenue, repair and service revenue and rent, leasing and hiring revenue), plus capital work done for own use or for rental or for lease.

Value added is turnover plus the net increase in stocks, less purchases, transfers in and selected expenses.

Gross fixed capital formation is net capital expenditure on tangible assets. Tangible assets include land, buildings and structures, plus plant, machinery and equipment (including motor vehicles). Capital expenditure includes all costs which have been capitalised, including interest, legal fees, real estate transfer costs, finance leases and assets acquired under finance leases. Also included are progress payments made to contractors for capital works done by them.

**Related national publications:**

Census of Manufacturing Establishments, published by the Australian Bureau of Statistics, Canberra.

## Australia

| ISIC Industry                                    | Note | Number of establishments |       |       |      | Note | Number of employees |      |      |        | Note | Wages and salaries paid to employees |       |       |      |
|--|------|--------------------------|-------|-------|------|------|---------------------|------|------|--------|------|--------------------------------------|-------|-------|------|
|  |      | (numbers)                |       |       |      |      | (thousands)         |      |      |        |      | (million DOLLARS)                    |       |       |      |
|  |      | 1985                     | 1990  | 1991  | 1992 |      | 1985                | 1990 | 1991 | 1992a/ |      | 1985                                 | 1990  | 1991  | 1992 |
| 311.2 Food Products                              |      | 3030                     | 3322  | 3590  | 3837 |      | 144                 | 150  | ...  | 146    |      | 2520                                 | 3628  | 3807  | 3931 |
| 3111 Slaughtering, preparing & preserving meat   |      | 660                      | 624   | 800   | ...  |      | 44                  | 47   | ...  | ...    |      | 740                                  | 1116  | 1169  | ...  |
| 3112 Dairy products                              |      | 249                      | 202   | 201   | ...  |      | 17                  | 16   | ...  | ...    |      | 299                                  | 378   | 420   | ...  |
| 3113 Canning, preserving of fruits & vegetables  |      | 160                      | 177   | 195   | ...  |      | 11                  | 12   | ...  | ...    |      | 207                                  | 294   | 328   | ...  |
| 3114 Canning, preserving and processing of fish  |      | 94                       | 95    | 104   | ...  |      | 4                   | 3    | ...  | ...    |      | 41                                   | 72    | 72    | ...  |
| 3115 Vegetable and animal oils and fats          |      | 31                       | 29    | 34    | ...  |      | 2                   | 2    | ...  | ...    |      | 57                                   | 76    | 83    | ...  |
| 3116 Grain mill products                         |      | 117                      | 121   | 136   | ...  |      | 7                   | 7    | ...  | ...    |      | 125                                  | 206   | 246   | ...  |
| 3117 Bakery products                             |      | 1227                     | 1578  | 1679  | ...  |      | 31                  | 34   | ...  | ...    |      | 467                                  | 699   | 714   | ...  |
| 3118 Sugar factories and refineries              |      | b/                       | b/    | b/    | ...  |      | b/                  | b/   | ...  | ...    |      | b/                                   | b/    | b/    | ...  |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 96                       | 102   | 123   | ...  |      | 7                   | 7    | ...  | ...    |      | 124                                  | 182   | 189   | ...  |
| 3121 Other food products                         |      | 265b/                    | 277b/ | 339b/ | ...  |      | 18b/                | 19b/ | ...  | ...    |      | 391b/                                | 506b/ | 467b/ | ...  |
| 3122 Prepared animal feeds                       |      | 131                      | 117   | 179   | ...  |      | 4                   | 4    | ...  | ...    |      | 70                                   | 102   | 123   | ...  |
| 313 Beverages                                    |      | 351                      | 312   | 377   | 386  |      | 18                  | 18   | ...  | 17     |      | 382                                  | 527   | 598   | 566  |
| 3131 Distilling, rectifying and blending spirits |      | 45c/                     | 42c/  | 45c/  | ...  |      | 8c/                 | 7c/  | ...  | ...    |      | 203c/                                | 257c/ | 285c/ | ...  |
| 3132 Wine industries                             |      | 167                      | 180   | 214   | ...  |      | 6                   | 6    | ...  | ...    |      | 71                                   | 116   | 117   | ...  |
| 3133 Malt liquors and malt                       |      | c/                       | c/    | c/    | ...  |      | c/                  | c/   | ...  | ...    |      | c/                                   | c/    | c/    | ...  |
| 3134 Soft drinks and carbonated waters           |      | 139                      | 90    | 118   | ...  |      | 6                   | 6    | ...  | ...    |      | 108                                  | 154   | 196   | ...  |
| 314 Tobacco                                      |      | 6                        | 4     | 5     | 5    |      | 5                   | 3    | ...  | 3      |      | 109                                  | 100   | 95    | 112  |
| 321 Textiles                                     |      | 921                      | 916   | 1223  | 1183 |      | 47                  | 42   | ...  | 33     |      | 782                                  | 997   | 972   | 927  |
| 3211 Spinning, weaving and finishing textiles    |      | 253                      | 235   | 287   | ...  |      | 22                  | 17   | ...  | ...    |      | 399                                  | 441   | 425   | ...  |
| 3212 Made-up textile goods excl. wearing apparel |      | 272                      | 294   | 443   | ...  |      | 4                   | 6    | ...  | ...    |      | 60                                   | 90    | 108   | ...  |
| 3213 Knitting mills                              |      | 265                      | 224   | 263   | 247  |      | 13                  | 12   | ...  | 7      |      | 196                                  | 261   | 228   | 185  |
| 3214 Carpets and rugs                            |      | 41                       | 55    | 80    | ...  |      | 4                   | 4    | ...  | ...    |      | 59                                   | 101   | 104   | ...  |
| 3215 Cordage, rope and twine                     |      | 13                       | 22    | 28    | ...  |      | 1                   | 1    | ...  | ...    |      | 9                                    | 11    | 15    | ...  |
| 3219 Other textiles                              |      | 77                       | 86    | 122   | ...  |      | 3                   | 3    | ...  | ...    |      | 60                                   | 83    | 93    | ...  |
| 322 Wearing apparel, except footwear             |      | 1544                     | 1703  | 2091  | 2125 |      | 48                  | 48   | ...  | 36     |      | 634                                  | 826   | 781   | 779  |
| 323 Leather and fur products                     |      | 187                      | 152   | 229   | 232  |      | 4                   | 4    | ...  | 3      |      | 58                                   | 72    | 79    | 80   |
| 3231 Tanneries and leather finishing             |      | 81d/                     | 61d/  | 89d/  | ...  |      | 2d/                 | 2d/  | ...  | ...    |      | 39d/                                 | 50d/  | 56d/  | ...  |
| 3232 Fur dressing and dyeing industries          |      | d/                       | d/    | d/    | ...  |      | d/                  | d/   | ...  | ...    |      | d/                                   | d/    | d/    | ...  |
| 3233 Leather goods excl. wearing apparel         |      | 106                      | 91    | 140   | ...  |      | 2                   | 2    | ...  | ...    |      | 19                                   | 22    | 22    | ...  |
| 324 Footwear, except rubber or plastic           |      | 202                      | 170   | 203   | 202  |      | 12                  | 10   | ...  | 7      |      | 176                                  | 203   | 181   | 164  |
| 331 Wood products, except furniture              |      | 2452                     | 2544  | 3457  | 3345 |      | 44                  | 44   | ...  | 40     |      | 703                                  | 1019  | 1024  | 988  |
| 3311 Sawmills, planing and other wood mills      |      | 2092                     | 2151  | 2740  | ...  |      | 40                  | 40   | ...  | ...    |      | 646                                  | 946   | 934   | ...  |
| 3312 Wooden and cane containers                  |      | 94                       | 97    | 126   | ...  |      | 1                   | 1    | ...  | ...    |      | 20                                   | 24    | 31    | ...  |
| 3319 Other wood and cork products                |      | 266                      | 296   | 691   | ...  |      | 3                   | 3    | ...  | ...    |      | 36                                   | 60    | 69    | ...  |
| 332 Furniture and fixtures, excl. metal          |      | 1571                     | 2251  | 3268  | 3245 |      | 27                  | 36   | ...  | 31     |      | 399                                  | 772   | 741   | 698  |
| 341 Paper and products                           |      | 241                      | 241   | 289   | 312  |      | 23                  | 21   | ...  | 19     |      | 501                                  | 682   | 736   | 741  |
| 3411 Pulp, paper and paperboard articles         |      | 33                       | 50    | 78    | 93   |      | 8                   | 8    | ...  | 7      |      | 205                                  | 286   | 299   | 311  |
| 3412 Containers of paper and paperboard          |      | 139                      | 121   | 111   | ...  |      | 11                  | 9    | ...  | ...    |      | 216                                  | 267   | 270   | ...  |
| 3419 Other pulp, paper and paperboard articles   |      | 69                       | 70    | 100   | ...  |      | 4                   | 4    | ...  | ...    |      | 80                                   | 129   | 166   | ...  |
| 342 Printing and publishing                      |      | 2731                     | 3157  | 4406  | 4601 |      | 78                  | 84   | ...  | 81     |      | 1468                                 | 2317  | 2519  | 2476 |
| 351 Industrial chemicals                         |      | 270                      | 269   | 353   | 379  |      | 18                  | 17   | ...  | 15     |      | 446                                  | 614   | 693   | 646  |
| 3511 Basic chemicals excl. fertilizers           |      | 148                      | 140   | 182   | 201  |      | 8                   | 8    | ...  | 7      |      | 190                                  | 278   | 302   | 306  |
| 3512 Fertilizers and pesticides                  |      | 60                       | 52    | 73    | 80   |      | 5                   | 4    | ...  | 4      |      | 117                                  | 132   | 184   | 146  |
| 3513 Synthetic resins and plastic materials      |      | 62                       | 77    | 98    | 98   |      | 5                   | 6    | ...  | 4      |      | 141                                  | 203   | 207   | 196  |
| 352 Other chemicals                              |      | 579                      | 581   | 735   | 772  |      | 32                  | 30   | ...  | 31     |      | 669                                  | 900   | 989   | 1041 |
| 3521 Paints, varnishes and lacquers              |      | 110                      | 120   | 145   | 149  |      | 5                   | 6    | ...  | 6      |      | 116                                  | 172   | 178   | 196  |
| 3522 Drugs and medicines                         |      | 124                      | 110   | 137   | 143  |      | 10                  | 9    | ...  | 11     |      | 212                                  | 296   | 336   | 380  |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 201                      | 173   | 242   | 254  |      | 9                   | 8    | ...  | 7      |      | 191                                  | 226   | 250   | 229  |
| 3529 Other chemical products                     |      | 144                      | 178   | 211   | 226  |      | 7                   | 7    | ...  | 7      |      | 162                                  | 207   | 226   | 236  |
| 353 Petroleum refineries                         |      | 15                       | 21    | 14    | 30   |      | 5                   | 4    | ...  | 4      |      | 138                                  | 206   | 217   | 237  |

|   |         |       |        |        |      |      |      |        |       |       |       |
|---|---------|-------|--------|--------|------|------|------|--------|-------|-------|-------|
| 354 Misc petroleum and coal products            | 23      | 20    | 29     | 32     | 1    | 1    | 1    | 14     | 12    | 14    | 15    |
| 355 Rubber products                             | 198     | 214   | 250    | 251    | 10   | 9    | 8    | 198    | 270   | 290   | 272   |
| 3551 Tyres and tubes                            | 103     | 110   | 131    | 131    | 6    | 6    | 6    | 124    | 189   | 203   | 203   |
| 3559 Other rubber products                      | 95      | 104   | 119    | 119    | 4    | 3    | 2    | 73     | 81    | 87    | 87    |
| 356 Plastic products                            | 971     | 1062  | 1385   | 1374   | 32   | 36   | 32   | 579    | 891   | 957   | 944   |
| 361 Pottery, china, earthenware                 | 57      | 110   | 188    | 202    | 2    | 2    | 2    | 33     | 52    | 51    | 49    |
| 362 Glass and products                          | 40      | 88    | 172    | 210    | 6    | 6    | 6    | 138    | 212   | 248   | 227   |
| 369 Other non-metallic mineral products         | 1614    | 1231  | 1327   | 1346   | 31   | 33   | 30   | 631    | 970   | 987   | 948   |
| 3691 Structural clay products                   | 146     | 156   | 170    | 170    | 9    | 9    | 9    | 178    | 259   | 252   | 252   |
| 3692 Cement, lime and plaster                   | 22      | 22    | 25     | 25     | 3    | 3    | 3    | 83     | 104   | 112   | 112   |
| 3699 Other non-metallic mineral products        | 1446    | 1053  | 1132   | 1132   | 19   | 21   | 19   | 370    | 597   | 623   | 623   |
| 371 Iron and steel                              | 306     | 446   | 548    | 605    | 48   | 41   | 36   | 1080   | 1369  | 1414  | 1424  |
| 372 Non-ferrous metals                          | 223     | 228   | 261    | 284    | 29   | 28   | 26   | 702    | 1018  | 1067  | 1084  |
| 381 Fabricated metal products                   | 4137    | 4828  | 6628   | 6528   | 93   | 108  | 89   | 1604   | 2599  | 2638  | 2415  |
| 3811 Cutlery, hand tools and general hardware   | 67      | 124   | 206    | 206    | 2    | 3    | 2    | 29     | 63    | 59    | 59    |
| 3812 Furniture and fixtures primarily of metal  | 132     | 216   | 274    | 274    | 4    | 5    | 4    | 68     | 131   | 129   | 129   |
| 3813 Structural metal products                  | 1610    | 1976  | 2602   | 2586   | 32   | 41   | 34   | 553    | 1014  | 1050  | 922   |
| 3819 Other fabricated metal products            | 2328    | 2512  | 3546   | 3546   | 55   | 57   | 53   | 964    | 1392  | 1401  | 1401  |
| 382 Non-electrical machinery                    | 2364    | 2499  | 3623   | 3633   | 68   | 70   | 63   | 1237   | 1956  | 2070  | 1980  |
| 3821 Engines and turbines                       | e/ 1251 | 1246  | 1814   | 1829   | 33e/ | 35e/ | 31e/ | e/ 604 | 1020  | 1032  | 983   |
| 3822 Agricultural machinery and equipment       | 228     | 248   | 356    | 352    | 8    | 6    | 4    | 138    | 130   | 122   | 100   |
| 3823 Metal and wood working machinery           | 457     | 466   | 667    | 665    | 7    | 7    | 7    | 133    | 202   | 224   | 191   |
| 3824 Other special industrial machinery         | 146     | 176   | 207    | 205    | 4    | 4    | 4    | 60     | 111   | 110   | 116   |
| 3825 Office, computing and accounting machinery | 282     | 363   | 579    | 572    | 16   | 18   | 17   | 302    | 493   | 582   | 584   |
| 3829 Other non-electrical machinery & equipment | e/      |       |        |        | e/   | e/   | e/   | e/     | e/    | e/    | e/    |
| 383 Electrical machinery                        | 969     | 952   | 1260   | 1298   | 54   | 54   | 46   | 985    | 1401  | 1429  | 1300  |
| 3831 Electrical industrial machinery            | 38      | 54    | 55     | 64     | 7    | 8    | 5    | 90     | 189   | 165   | 147   |
| 3832 Radio, television and communication equipm | 40      | 51    | 74     | 79     | 3    | 3    | 2    | 45     | 76    | 70    | 53    |
| 3833 Electrical appliances and housewares       | 248     | 243   | 314    | 330    | 16   | 15   | 14   | 299    | 379   | 382   | 371   |
| 3839 Other electrical apparatus and supplies    | 643     | 604   | 817    | 825    | 29   | 28   | 25   | 551    | 768   | 812   | 729   |
| 384 Transport equipment                         | 1280    | 1501  | 1963   | 2035   | 114  | 98   | 77   | 2245   | 2754  | 2558  | 2404  |
| 3841 Shipbuilding and repairing                 | 268     | 296   | 448    | 471    | 13   | 10   | 9    | 246    | 303   | 293   | 308   |
| 3842 Railroad equipment                         | 58      | 25    | 24     | 23     | 23   | 5    | 2    | 450    | 118   | 54    | 61    |
| 3843 Motor vehicles                             | 845     | 995   | 1225   | 1254   | 65   | 68   | 52   | 1247   | 1810  | 1637  | 1462  |
| 3844 Motorcycles and bicycles                   | f/ 31   | 42    | 62     | 60     | 1f/  | 1f/  | - f/ | f/ 12  | 11    | 10    | 10    |
| 3845 Aircraft                                   | f/ 80   | 143   | 205    | 227    | 12   | 14   | 14   | 290    | 512   | 564   | 573   |
| 3849 Other transport equipment                  |         |       |        |        | f/   | 1f/  | f/   |        |       |       |       |
| 385 Professional and scientific equipment       | 518     | 588   | 957    | 1113   | 11   | 13   | 13   | 188    | 324   | 312   | 338   |
| 3851 Prof and scientific equipment n e c        | g/ 98   | 151   | 240    | 240    | 4g/  | 5g/  | 4g/  | g/ 72  | 132   | 136   | 133   |
| 3852 Photographic and optical goods             | 420     | 437   | 717    | 873    | 7    | 8    | 9    | 116    | 193   | 176   | 205   |
| 3853 Watches and clocks                         | g/      |       |        |        | g/   | g/   | g/   |        |       |       |       |
| 390 Other manufacturing industries              | 811     | 1064  | 1823   | 1916   | 11   | 13   | 13   | 162    | 275   | 294   | 280   |
| 3901 Jewellery and related articles             | 189     | 196   | 371    | 363    | 2    | 2    | 2    | 26     | 41    | 51    | 45    |
| 3902 Musical instruments                        | n/      | n/    | n/     | n/     | n/   | n/   | n/   | n/     | n/    | n/    | n/    |
| 3903 Sporting and athletic goods                | 125     | 130   | 194    | 194    | 2    | 2    | 2    | 23     | 37    | 35    | 35    |
| 3909 Manufacturing industries, n e c            | 497h/   | 738h/ | 1258h/ | 1258h/ | 7h/  | 9h/  | 9h/  | 113h/  | 197h/ | 208h/ | 208h/ |
| 3 Total manufacturing                           | 27611   | 30474 | 40653  | 41480  | 1014 | 1017 | 908  | 18781  | 26968 | 27759 | 27070 |

a/ Number of persons engaged  
c/ 3131 includes 3133  
e/ 3821 includes 3829  
g/ 3851 includes 3853

b/ 3121 includes 3118  
d/ 3231 includes 3232  
f/ 3844 includes 3849  
h/ 3909 includes 3902

## Australia

## Output in factor values

(million DOLLARS)

| ISIC Industry                                    | Note | 1985   | 1990   | 1991   | 1992  |
|--|------|--------|--------|--------|-------|
| 311/2 Food Products                              |      | 17618  | 27340  | 28629  | 29316 |
| 3111 Slaughtering, preparing & preserving meat   |      | 5177   | 8265   | 8189   |       |
| 3112 Dairy products                              |      | 3226   | 4400   | 4734   |       |
| 3113 Canning, preserving of fruits & vegetables  |      | 1190   | 2056   | 2363   |       |
| 3114 Canning, preserving and processing of fish  |      | 561    | 784    | 883    |       |
| 3115 Vegetable and animal oils and fats          |      | 718    | 688    | 726    |       |
| 3116 Grain mill products                         |      | 1125   | 1838   | 2171   |       |
| 3117 Bakery products                             |      | 1775   | 2824   | 2867   |       |
| 3118 Sugar factories and refineries              | a/   | a/     | a/     | a/     |       |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 614    | 1048   | 1169   |       |
| 3121 Other food products                         |      | 2258a/ | 3925a/ | 3868a/ |       |
| 3122 Prepared animal feeds                       |      | 974    | 1512   | 1659   |       |
| 313 Beverages                                    |      | 2927   | 4788   | 5532   | 5489  |
| 3131 Distilling, rectifying and blending spirits |      | 1354b/ | 2273b/ | 2506b/ |       |
| 3132 Wine industries                             |      | 586    | 917    | 844    |       |
| 3133 Malt liquors and malt                       | b/   | b/     | b/     | b/     |       |
| 3134 Soft drinks and carbonated waters           |      | 987    | 1598   | 2182   |       |
| 314 Tobacco                                      |      | 547    | 806    | 814    | 965   |
| 321 Textiles                                     |      | 3515   | 5054   | 4995   | 4985  |
| 3211 Spinning, weaving and finishing textiles    |      | 1670   | 2253   | 2191   |       |
| 3212 Made-up textile goods excl wearing apparel  |      | 302    | 463    | 506    |       |
| 3213 Knitting mills                              |      | 787    | 1056   | 947    | 864   |
| 3214 Carpets and rugs                            |      | 426    | 724    | 700    |       |
| 3215 Cordage, rope and twine                     |      | 36     | 63     | 70     |       |
| 3219 Other textiles                              |      | 294    | 505    | 582    |       |
| 322 Wearing apparel, except footwear             |      | 2197   | 3339   | 3344   | 3388  |
| 323 Leather and fur products                     |      | 408    | 549    | 545    | 542   |
| 3231 Tanneries and leather finishing             |      | 330c/  | 468c/  | 455c/  |       |
| 3232 Fur dressing and dyeing industries          | c/   | c/     | c/     | c/     |       |
| 3233 Leather goods excl wearing apparel          |      | 78     | 81     | 90     |       |
| 324 Footwear, except rubber or plastic           |      | 594    | 705    | 679    | 596   |
| 331 Wood products, except furniture              |      | 3392   | 5002   | 4871   | 4801  |
| 3311 Sawmills, planing and other wood mills      |      | 3141   | 4694   | 4501   |       |
| 3312 Wooden and cane containers                  |      | 102    | 105    | 142    |       |
| 3319 Other wood and cork products                |      | 149    | 203    | 228    |       |
| 332 Furniture and fixtures, excl metal           |      | 1621   | 2966   | 2957   | 2838  |
| 341 Paper and products                           |      | 2755   | 4183   | 4892   | 4538  |
| 3411 Pulp, paper and paperboard articles         |      | 1112   | 1952   | 2228   | 1953  |
| 3412 Containers of paper and paperboard          |      | 1230   | 1505   | 1760   |       |
| 3419 Other pulp, paper and paperboard articles   |      | 413    | 726    | 904    |       |
| 342 Printing and publishing                      |      | 5434   | 9319   | 9901   | 9794  |
| 351 Industrial chemicals                         |      | 4078   | 5878   | 6139   | 5723  |
| 3511 Basic chemicals excl fertilizers            |      | 1561   | 2461   | 2630   | 2645  |
| 3512 Fertilizers and pesticides                  |      | 1234   | 1550   | 1575   | 1469  |
| 3513 Synthetic resins and plastic materials      |      | 1283   | 1867   | 1934   | 1609  |
| 352 Other chemicals                              |      | 3734   | 6244   | 7164   | 7423  |
| 3521 Paints, varnishes and lacquers              |      | 694    | 1338   | 1671   | 1651  |
| 3522 Drugs and medicines                         |      | 1142   | 1841   | 2174   | 2417  |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 1179   | 1879   | 1864   | 1806  |
| 3529 Other chemical products                     |      | 719    | 1386   | 1556   | 1549  |
| 353 Petroleum refineries                         |      | 1914   | 8017   | 9911   | 10182 |

## Value added in factor values

(million DOLLARS)

| ISIC Industry                                    | Note | 1985  | 1990   | 1991 | 1992 | Share of value added in output (percentage) | Share of wages and salaries in value added (percentage) |
|--|------|-------|--------|------|------|---|---|
|  |      | 1985  | 1992   | 1985 | 1992 |   |   |
| 311/2 Food Products                              |      | 5371  | 9788   |      |      | 30.6  | 46.9  |
| 3111 Slaughtering, preparing & preserving meat   |      | 1302  | 2569   |      |      | 25.1  | 56.8  |
| 3112 Dairy products                              |      | 773   | 1314   |      |      | 24.0  | 38.7  |
| 3113 Canning, preserving of fruits & vegetables  |      | 416   | 785    |      |      | 35.0  | 49.8  |
| 3114 Canning, preserving and processing of fish  |      | 134   | 296    |      |      | 23.9  | 30.4  |
| 3115 Vegetable and animal oils and fats          |      | 203   | 214    |      |      | 28.3  | 28.0  |
| 3116 Grain mill products                         |      | 383   | 714    |      |      | 34.0  | 32.6  |
| 3117 Bakery products                             |      | 836   | 1401   |      |      | 47.1  | 55.8  |
| 3118 Sugar factories and refineries              | a/   | a/    | a/     |      |      | 45.0  | 44.7  |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 276   | 510    |      |      | 35.8  | 48.4  |
| 3121 Other food products                         |      | 808a/ | 1607a/ |      |      | 24.6  | 29.2  |
| 3122 Prepared animal feeds                       |      | 240   | 478    |      |      |   |   |
| 313 Beverages                                    |      | 1208  | 2206   |      |      | 41.3  | 31.6  |
| 3131 Distilling, rectifying and blending spirits |      | 637b/ | 1173b/ |      |      | 47.0  | 31.9  |
| 3132 Wine industries                             |      | 233   | 461    |      |      | 39.8  | 30.4  |
| 3133 Malt liquors and malt                       | b/   | b/    | b/     |      |      |   |   |
| 3134 Soft drinks and carbonated waters           |      | 338   | 572    |      |      | 34.2  | 32.0  |
| 314 Tobacco                                      |      | 255   | 467    |      |      | 46.6  | 42.9  |
| 321 Textiles                                     |      | 1363  | 2142   |      |      | 38.8  | 57.4  |
| 3211 Spinning, weaving and finishing textiles    |      | 616   | 924    |      |      | 35.9  | 64.7  |
| 3212 Made-up textile goods excl wearing apparel  |      | 116   | 199    |      |      | 38.4  | 51.5  |
| 3213 Knitting mills                              |      | 337   | 493    |      |      | 42.8  | 58.2  |
| 3214 Carpets and rugs                            |      | 131   | 246    |      |      | 30.8  | 44.7  |
| 3215 Cordage, rope and twine                     |      | 16    | 27     |      |      | 44.4  | 57.5  |
| 3219 Other textiles                              |      | 147   | 263    |      |      | 60.0  | 40.6  |
| 322 Wearing apparel, except footwear             |      | 1030  | 1666   |      |      | 46.9  | 61.5  |
| 323 Leather and fur products                     |      | 110   | 135    |      |      | 27.0  | 52.8  |
| 3231 Tanneries and leather finishing             |      | 76c/  | 94c/   |      |      | 23.0  | 51.1  |
| 3232 Fur dressing and dyeing industries          | c/   | c/    | c/     |      |      |   |   |
| 3233 Leather goods excl wearing apparel          |      | 34    | 41     |      |      | 43.6  | 56.8  |
| 324 Footwear, except rubber or plastic           |      | 292   | 367    |      |      | 49.2  | 60.2  |
| 331 Wood products, except furniture              |      | 1467  | 2212   |      |      | 43.2  | 47.9  |
| 3311 Sawmills, planing and other wood mills      |      | 1345  | 2066   |      |      | 42.8  | 48.1  |
| 3312 Wooden and cane containers                  |      | 66    | 60     |      |      | 63.9  | 36.6  |
| 3319 Other wood and cork products                |      | 67    | 96     |      |      | 45.0  | 54.2  |
| 332 Furniture and fixtures, excl metal           |      | 723   | 1321   |      |      | 44.6  | 55.2  |
| 341 Paper and products                           |      | 1004  | 1667   |      |      | 36.4  | 49.9  |
| 3411 Pulp, paper and paperboard articles         |      | 393   | 808    |      |      | 35.3  | 62.3  |
| 3412 Containers of paper and paperboard          |      | 438   | 570    |      |      | 35.6  | 49.1  |
| 3419 Other pulp, paper and paperboard articles   |      | 173   | 289    |      |      | 41.9  | 46.2  |
| 342 Printing and publishing                      |      | 3041  | 5194   |      |      | 66.0  | 48.3  |
| 351 Industrial chemicals                         |      | 1401  | 2125   |      |      | 34.4  | 32.0  |
| 3511 Basic chemicals excl fertilizers            |      | 583   | 1043   |      |      | 37.3  | 32.6  |
| 3512 Fertilizers and pesticides                  |      | 376   | 473    |      |      | 30.6  | 31.0  |
| 3513 Synthetic resins and plastic materials      |      | 442   | 609    |      |      | 34.6  | 31.9  |
| 352 Other chemicals                              |      | 1699  | 2932   |      |      | 45.5  | 39.4  |
| 3521 Paints, varnishes and lacquers              |      | 261   | 579    |      |      | 37.6  | 44.0  |
| 3522 Drugs and medicines                         |      | 587   | 877    |      |      | 61.4  | 36.0  |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 534   | 853    |      |      | 45.3  | 36.7  |
| 3529 Other chemical products                     |      | 317   | 623    |      |      | 44.1  | 48.0  |
| 353 Petroleum refineries                         |      | 406   | 2123   |      |      | 21.2  | 34.0  |

|   |    |       |        |        |        |  |        |        |      |      |
|---|----|-------|--------|--------|--------|--|--------|--------|------|------|
| 354 Misc petroleum and coal products            |    | 142   | 129    | 173    | 135    |  | 36     | 44     | 25 4 | 38 3 |
| 355 Rubber products                             |    | 830   | 1320   | 1274   | 1182   |  | 377    | 699    | 45 4 | 52 4 |
| 3551 Tyres and tubes                            |    | 565   | 999    | 913    |        |  | 246    | 536    | 43 5 | 50 5 |
| 3559 Other rubber products                      |    | 265   | 321    | 361    |        |  | 131    | 164    | 49 4 | 56 0 |
| 356 Plastic products                            |    | 2948  | 4935   | 5321   | 5273   |  | 1163   | 2179   | 39 1 | 60 3 |
| 361 Pottery, china, earthenware                 |    | 90    | 151    | 172    | 176    |  | 59     | 97     | 65 5 | 66 4 |
| 362 Glass and products                          |    | 624   | 1112   | 1030   | 995    |  | 363    | 676    | 68 2 | 38 1 |
| 369 Other non-metallic mineral products         |    | 3954  | 6559   | 6314   | 6148   |  | 1549   | 2777   | 39 2 | 40 8 |
| 3691 Structural clay products                   |    | 743   | 1150   | 1022   |        |  | 405    | 705    | 54 5 | 44 0 |
| 3692 Cement, lime and plaster                   |    | 663   | 920    | 783    |        |  | 272    | 420    | 41 0 | 30 6 |
| 3699 Other non-metallic mineral products        |    | 2548  | 4489   | 4509   |        |  | 872    | 1652   | 34 2 | 42 4 |
| 371 Iron and steel                              |    | 5868  | 9438   | 9361   | 9543   |  | 1985   | 3112   | 33 8 | 54 4 |
| 372 Non-ferrous metals                          |    | 6721  | 12112  | 12086  | 10978  |  | 2011   | 4852   | 29 9 | 34 9 |
| 381 Fabricated metal products                   |    | 8962  | 12595  | 12342  | 11555  |  | 2911   | 5395   | 41 8 | 55 1 |
| 3811 Cutlery, hand tools and general hardware   |    | 105   | 214    | 206    |        |  | 57     | 116    | 54 3 | 50 7 |
| 3812 Furniture and fixtures primarily of metal  |    | 284   | 645    | 566    |        |  | 102    | 256    | 35 9 | 66 9 |
| 3813 Structural metal products                  |    | 2676  | 5477   | 5388   | 4747   |  | 991    | 2002   | 37 0 | 55 8 |
| 3819 Other fabricated metal products            |    | 3897  | 6259   | 6182   |        |  | 1761   | 3021   | 45 2 | 54 2 |
| 382 Non-electrical machinery                    |    | 4907  | 8490   | 8966   | 8578   |  | 2247   | 3929   | 45 8 | 55 1 |
| 3821 Engines and turbines                       | d/ | 2330  | 4236   | 4316   | 4019   |  | 1049d/ | 1910d/ | 45 0 | 57 6 |
| 3822 Agricultural machinery and equipment       |    | 650   | 546    | 475    | 421    |  | 283    | 258    | 43 6 | 48 7 |
| 3823 Metal and wood working machinery           |    | 393   | 629    | 766    | 605    |  | 222    | 368    | 56 5 | 60 1 |
| 3824 Other special industrial machinery         |    | 243   | 535    | 460    | 522    |  | 106    | 240    | 43 6 | 55 5 |
| 3825 Office, computing and accounting machinery |    | 1291  | 2544   | 2949   | 3011   |  | 587    | 1163   | 46 5 | 51 5 |
| 3829 Other non-electrical machinery & equipment | d/ |       |        |        |        |  | d/     | d/     |      |      |
| 383 Electrical machinery                        |    | 4032  | 5689   | 7095   | 6731   |  | 1897   | 3157   | 47 0 | 51 9 |
| 3831 Electrical industrial machinery            |    | 318   | 877    | 837    | 681    |  | 148    | 410    | 46 5 | 60 5 |
| 3832 Radio, television and communication equipm |    | 218   | 314    | 354    | 339    |  | 116    | 169    | 53 2 | 39 9 |
| 3833 Electrical appliances and housewares       |    | 1254  | 1973   | 2029   | 2018   |  | 597    | 924    | 47 6 | 60 0 |
| 3839 Other electrical apparatus and supplies    |    | 2242  | 3525   | 3875   | 3693   |  | 1036   | 1654   | 46 2 | 53 1 |
| 384 Transport equipment                         |    | 9582  | 15736  | 14764  | 13472  |  | 3680   | 6885   | 38 4 | 61 0 |
| 3841 Shipbuilding and repairing                 |    | 610   | 2221   | 1636   | 1727   |  | 347    | 1015   | 56 9 | 70 9 |
| 3842 Railroad equipment                         |    | 1030  | 532    | 364    | 394    |  | 619    | 266    | 60 1 | 72 7 |
| 3843 Motor vehicles                             |    | 7245  | 11739  | 11365  | 9969   |  | 2283   | 4844   | 31 6 | 54 6 |
| 3844 Motorcycles and bicycles                   | e/ | 52    | 56     | 52     | 52     |  | 22e/   | 21e/   | 42 3 | 53 2 |
| 3845 Aircraft                                   |    | 645   | 1188   | 1357   | 1330   |  | 409    | 739    | 63 4 | 71 0 |
| 3849 Other transport equipment                  | e/ |       |        |        |        |  | e/     | e/     |      |      |
| 385 Professional and scientific equipment       |    | 815   | 1254   | 1277   | 1402   |  | 398    | 638    | 48 8 | 47 2 |
| 3851 Prof and scientific equipment n e c        | f/ | 258   | 413    | 455    | 431    |  | 132f/  | 220f/  | 51 2 | 54 5 |
| 3852 Photographic and optical goods             |    | 557   | 841    | 822    | 971    |  | 265    | 418    | 47 8 | 43 6 |
| 3853 Watches and clocks                         | f/ |       |        |        |        |  | f/     | f/     |      |      |
| 390 Other manufacturing industries              |    | 725   | 1184   | 1267   | 1277   |  | 351    | 559    | 48 3 | 46 1 |
| 390 Jewellery and related articles              |    | 142   | 236    | 248    | 228    |  | 72     | 85     | 50 7 | 35 6 |
| 3902 Musical instruments                        | g/ |       | g/     | g/     |        |  | g/     | g/     |      |      |
| 3903 Sporting and athletic goods                |    | 119   | 179    | 175    |        |  | b1     | 74     | 42 9 | 45 5 |
| 3909 Manufacturing industries, n e c            |    | 465g/ | 769g/  | 844g/  |        |  | 228g/  | 409g/  | 49 0 | 49 6 |
| 3 Total manufacturing                           |    | 98935 | 165894 | 171815 | 168023 |  | 38387  | 69244  | 38 8 | 48 9 |

a/ 3121 includes 3118  
c/ 3231 includes 3232  
e/ 3844 includes 3849  
g/ 3909 includes 3902

b/ 3131 includes 3133  
d/ 3871 includes 3829  
f/ 3851 includes 3853

## Australia

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |      | Note | Index numbers of industrial production a/ |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|------|------|---|------|------|------|------|------|------|------|
|   |      | (million DOLLARS)             |      |      |      |      | (1980=100)                                |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990 | 1991 | 1992 |      | 1984                                      | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      | 440                           | 870  |      |      | 108  | 111                                       | 112  | 113  | 112  | 116  | 120  | 121  | 126  |
| 313 Beverages                             |      | 45                            | 223  |      |      | 98   | 100                                       | 101  | 104  | 99   | 101  | 102  | 97   | 96   |
| 314 Tobacco                               |      | 59                            | 25   |      |      | 91   | 89  | 93   | 89   | 89   | 90   | 90   | 81   | 79   |
| 321 Textiles                              |      | 125                           | 139  |      |      | 101  | 105                                       | 103  | 99   | 104  | 98   | 97   | 95   | 93   |
| 322 Wearing apparel, except footwear      |      | 30                            | 56   |      |      | 89   | 92  | 86   | 81   | 81   | 78   | 70   | 64   | 58   |
| 323 Leather and fur products              |      | 5                             | 10   |      |      |      |   |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      | 10                            | 19   |      |      | 101  | 104                                       | 99   | 85   | 85   | 63   | 57   | 49   | 48   |
| 331 Wood products, except furniture       |      | 95                            | 229  |      | b/   | 102  | 107                                       | 103  | 108  | 116  | 120  | 117  | 116  | 116  |
| 332 Furniture and fixtures, excl. metal   |      | 21                            | 86   |      | b/   |      |   |      |      |      |      |      |      |      |
| 341 Paper and products                    |      | 86                            | 162  |      |      | 97   | 100                                       | 100  | 106  | 110  | 113  | 112  | 117  | 117  |
| 342 Printing and publishing               |      | 224                           | 468  |      |      | 170  | 170                                       | 174  | 179  | 186  | 173  | 178  | 184  | 193  |
| 351 Industrial chemicals                  |      | 105                           | 420  |      |      | 99   | 99  | 100  | 121  | 137  | 135  | 129  | 131  | 133  |
| 352 Other chemicals                       |      | 121                           | 181  |      |      | 107  | 110                                       | 112  | 120  | 127  | 135  | 132  | 130  | 131  |
| 353 Petroleum refineries                  |      | 65                            | 231  |      |      | 103  | 102                                       | 102  | 108  | 110  | 112  | 116  | 117  | 122  |
| 354 Misc. petroleum and coal products     |      | 3                             | 1    |      |      |      |   |      |      |      |      |      |      |      |
| 355 Rubber products                       |      | 23                            | 25   |      |      |      |   |      |      |      |      |      |      |      |
| 356 Plastic products                      |      | 104                           | 561  |      |      |      |   |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      | 2                             | 4    |      | c/   | 94   | 102                                       | 96   | 102  | 134  | 131  | 125  | 122  | 124  |
| 362 Glass and products                    |      | 23                            | 177  |      | c/   |      |   |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      | 143                           | 407  |      | c/   |      |   |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      | 177                           | 441  |      | d/   | 91   | 97  | 96   | 94   | 103  | 111  | 112  | 115  | 118  |
| 372 Non-ferrous metals                    |      | 494                           | 532  |      | d/   |      |   |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      | 152                           | 517  |      |      | 88   | 96  | 94   | 93   | 100  | 103  | 100  | 99   | 100  |
| 382 Non-electrical machinery              |      | 89                            | 266  |      |      | 77   | 91  | 91   | 102  | 106  | 110  | 111  | 110  | 108  |
| 383 Electrical machinery                  |      | 113                           | 284  |      |      | 80   | 82  | 83   | 88   | 84   | 85   | 82   | 81   | 85   |
| 384 Transport equipment                   |      | 335                           | 534  |      |      | 96   | 101                                       | 85   | 87   | 92   | 103  | 87   | 77   | 78   |
| 385 Professional and scientific equipment |      | 31                            | 63   |      |      |      |   |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      | 13                            | 43   |      |      | 93   | 96  | 96   | 102  | 103  | 106  | 104  | 107  | 107  |
| 3 Total manufacturing                     |      | 3133                          | 8974 |      |      |      |   |      |      |      |      |      |      |      |

a/ Twelve months beginning 1 July of the year stated  
c/ 361 includes 362 and 369

b/ 331 includes 332  
d/ 371 includes 372

## AUSTRIA

**Supplier of information:**

Austrian Central Statistical Office, Vienna.

Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

**Basic source of data:**

Annual industrial survey.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

All establishments.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of employees refers to persons employed on 31 December.

Wages and salaries paid to employees is compensation of employees covering both wages and salaries, plus employers' contributions to social security schemes and pension funds. It includes regular and overtime payments, bonuses, cost-of-living allowances, vacation and sick leave pay, taxes and social insurance contributions payable by employees and deducted by employers, payments in kind and allowances.

Output is gross output valued in producers' prices, including all indirect taxes but excluding value added tax and all subsidies. It includes all products, net change in work in progress, work done on own account, services rendered, goods shipped in the same condition as received, electricity sold, fixed assets produced for own use, net changes in stock levels of finished goods and goods made by homeworkers and handicraft workers.

Value added is based on the census concept. It is calculated as the value of gross output less the cost of materials, fuels and other supplies, contract and commission work done by others, repair and maintenance work done by others, goods shipped in the same condition as received and electricity purchased. Input estimates are on a consumed basis. The cost of, and receipts for, non-industrial services are included.

Gross fixed capital formation is investment expenditure defined as the value of purchases of fixed assets, including own-account construction of assets. The value of sales of fixed assets is not deducted. "Fixed assets" are those with a productive life of at least one year, including assets made by a unit's labour force; additions, alterations, and repairs to existing assets; new assets, whether yet in use or not; and used assets. The valuation is at full cost including delivered price, cost of installation, fees and taxes (except value added tax). The value of sales of used assets is the actual amount realized.

**Related national publications:**

Industriestatistik, Vol. 2, published by the Austrian Central Statistical Office, Vienna.

## Austria

| ISIC Industry                                    | Note | Number of establishments<br>(numbers) |      |      |      | Note | Number of employees<br>(thousands) |      |      |      | Note | Wages and salaries paid<br>to employees<br>(million SCHILLINGS) |       |       |       |
|--|------|---------------------------------------|------|------|------|------|------------------------------------|------|------|------|------|---|-------|-------|-------|
|  |      | 1985                                  | 1989 | 1990 | 1991 |      | 1985                               | 1989 | 1990 | 1991 |      | 1985  | 1989  | 1990  | 1991  |
| 311/2 Food Products                              |      | 898                                   | 831  | 863  | 813  |      | 53.2                               | 51.2 | 52.8 | 51.0 |      | 11680   | 12730 | 13732 | 14611 |
| 3111 Slaughtering, preparing & preserving meat   |      | 235                                   | 207  | 211  | 197  |      | 14.0                               | 13.7 | 14.2 | 14.0 |      | 2640  | 2950  | 3206  | 3542  |
| 3112 Dairy products                              |      | 136                                   | 137  | 131  | 125  |      | 9.2                                | 8.4  | 7.8  | 7.0  |      | 2120  | 2430  | 2443  | 2441  |
| 3113 Canning, preserving of fruits & vegetables  |      | 24                                    | 26   | 27   | 27   |      | 1.4                                | 1.5  | 1.5  | 2.0  |      | 790   | 370   | 366   | 399   |
| 3114 Canning, preserving and processing of fish  |      |                                       |      |      |      |      |                                    |      |      |      |      |   |       |       |       |
| 3115 Vegetable and animal oils and fats          |      |                                       |      |      |      |      |                                    |      |      |      |      |   |       |       |       |
| 3116 Grain mill products                         |      | 51                                    | 49   | 47   | 46   |      | 1.4                                | 1.2  | 1.2  | 1.0  |      | 370   | 380   | 384   | 409   |
| 3117 Bakery products                             |      | 236                                   | 208  | 248  | 235  |      | 11.3                               | 11.6 | 12.9 | 13.0 |      | 2030  | 2300  | 2816  | 3012  |
| 3118 Sugar factories and refineries              |      | 10                                    | 7    | 7    | 7    |      | 2.0                                | 1.3  | 1.4  | 1.0  |      | 730   | 490   | 478   | 505   |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 29                                    | 28   | 27   | 26   |      | 3.2                                | 2.9  | 3.3  | 3.0  |      | 850   | 780   | 810   | 832   |
| 3121 Other food products                         |      | 177                                   | 169  | 165  | 151  |      | 10.7                               | 10.6 | 10.5 | 10.0 |      | 2750  | 3050  | 3242  | 3471  |
| 3122 Prepared animal feeds                       |      |                                       |      |      |      |      |                                    |      |      |      |      |   |       |       |       |
| 313 Beverages                                    |      | 252                                   | 245  | 242  | 234  |      | 13.0                               | 12.4 | 12.7 | 13.0 |      | 3530  | 3940  | 4161  | 4480  |
| 3131 Distilling, rectifying and blending spirits |      | 112                                   | 106  | 99   | 97   |      | 2.8                                | 2.3  | 2.3  | 2.0  |      | 630   | 660   | 676   | 716   |
| 3132 Wine industries                             |      |                                       |      |      |      |      |                                    |      |      |      |      |   |       |       |       |
| 3133 Malt liquors and malt                       |      | 82                                    | 79   | 82   | 82   |      | 7.0                                | 6.3  | 6.6  | 7.0  |      | 2080  | 2160  | 2416  | 2572  |
| 3134 Soft drinks and carbonated waters           |      | 58                                    | 60   | 61   | 55   |      | 3.2                                | 3.8  | 3.8  | 4.0  |      | 820   | 1120  | 1071  | 1193  |
| 314 Tobacco                                      |      | 15                                    | 15   | 15   | 14   |      | 1.5                                | 1.3  | 1.4  | 1.4  |      | 470   | 500   | 547   | 585   |
| 321 Textiles                                     |      | 532                                   | 468  | 448  | 432  |      | 42.6                               | 37.4 | 37.1 | 35.0 |      | 7460  | 7920  | 8513  | 8876  |
| 3211 Spinning, weaving and finishing textiles    | a/   | 269                                   | 239  | 224  | 223  | a/   | 22.1                               | 19.9 | 19.0 | 18.0 | a/   | 4180  | 4520  | 4603  | 4738  |
| 3212 Made-up textile goods excl. wearing apparel | a/   |                                       |      |      |      | a/   |                                    |      |      |      | a/   |   |       |       |       |
| 3213 Knitting mills                              |      | 145                                   | 109  | 102  | 98   |      | 13.9                               | 10.6 | 10.3 | 10.0 |      | 2050  | 1930  | 2091  | 2132  |
| 3214 Carpets and rugs                            | b/   | 118                                   | 120  | 122  | 111  | b/   | 6.6                                | 6.9  | 7.8  | 7.0  | b/   | 1230  | 1470  | 1819  | 1966  |
| 3215 Cordage, rope and twine                     | b/   |                                       |      |      |      | b/   |                                    |      |      |      | b/   |   |       |       |       |
| 3219 Other textiles                              | b/   |                                       |      |      |      | b/   |                                    |      |      |      | b/   |   |       |       |       |
| 322 Wearing apparel, except footwear             |      | 492                                   | 423  | 403  | 369  |      | 30.8                               | 24.9 | 24.1 | 22.0 |      | 3970  | 3760  | 3936  | 3871  |
| 323 Leather and fur products                     |      | 47                                    | 42   | 43   | 40   |      | 3.1                                | 2.9  | 2.8  | 3.0  |      | 480   | 480   | 556   | 538   |
| 3231 Tanneries and leather finishing             |      |                                       |      |      |      |      |                                    |      |      |      |      |   |       |       |       |
| 3232 Fur dressing and dyeing industries          |      |                                       |      |      |      |      |                                    |      |      |      |      |   |       |       |       |
| 3233 Leather prods. excl. wearing apparel        |      |                                       |      |      |      |      |                                    |      |      |      |      |   |       |       |       |
| 324 Footwear, except rubber or plastic           | c/   | 83                                    | 66   | 63   | 57   | c/   | 13.3                               | 8.4  | 8.4  | 7.0  | c/   | 1990  | 1500  | 1502  | 1488  |
| 331 Wood products, except furniture              | d/   | 2219                                  | 2031 | 1994 | 1955 | d/   | 16.7                               | 16.4 | 19.3 | 17.0 | d/   | 3200  | 3470  | 4410  | 4269  |
| 3311 Sawmills, planing and other wood mills      |      |                                       |      |      |      |      |                                    |      |      |      |      |   |       |       |       |
| 3312 Wooden and cane containers                  |      |                                       |      |      |      |      |                                    |      |      |      |      |   |       |       |       |
| 3319 Other wood and cork products                |      |                                       |      |      |      |      |                                    |      |      |      |      |   |       |       |       |
| 332 Furniture and fixtures, excl. metal          |      | 650                                   | 569  | 609  | 582  |      | 28.9                               | 30.3 | 30.8 | 33.0 |      | 6250  | 6380  | 6549  | 7818  |
| 341 Paper and products                           |      | 154                                   | 155  | 148  | 147  |      | 19.3                               | 20.5 | 20.0 | 20.0 |      | 5400  | 6580  | 7011  | 7562  |
| 3411 Pulp, paper and paperboard articles         |      | 48                                    | 46   | 44   | 42   |      | 12.7                               | 13.2 | 12.6 | 12.0 |      | 3910  | 4710  | 4940  | 5173  |
| 3412 Containers of paper and paperboard          | e/   | 106                                   | 109  | 104  | 105  | e/   | 6.6                                | 7.3  | 7.4  | 8.0  | e/   | 1490  | 1870  | 2071  | 2389  |
| 3419 Other pulp, paper and paperboard articles   | e/   |                                       |      |      |      | e/   |                                    |      |      |      | e/   |   |       |       |       |
| 342 Printing and publishing                      |      | 304                                   | 323  | 333  | 324  |      | 25.8                               | 24.7 | 24.6 | 24.0 |      | 6600  | 8140  | 8650  | 9348  |
| 351 Industrial chemicals                         |      | 137                                   | 150  | 143  | 145  |      | 21.5                               | 20.8 | 20.3 | 20.0 |      | 6280  | 6890  | 7311  | 7843  |
| 3511 Basic chemicals excl. fertilizers           |      | 54                                    | 58   | 56   | 54   |      | 11.1                               | 7.8  | 7.4  | 7.0  |      | 3530  | 2850  | 2951  | 3216  |
| 3512 Fertilizers and pesticides                  | f/   | 83                                    | 92   | 87   | 91   | f/   | 10.4                               | 13.0 | 12.9 | 13.0 | f/   | 2750  | 4030  | 4360  | 4627  |
| 3513 Synthetic resins and plastic materials      | f/   |                                       |      |      |      | f/   |                                    |      |      |      | f/   |   |       |       |       |
| 352 Other chemicals                              |      | 285                                   | 283  | 283  | 281  |      | 18.1                               | 18.8 | 18.7 | 18.0 |      | 4720  | 5790  | 6233  | 6640  |
| 3521 Paints, varnishes and lacquers              |      | 64                                    | 78   | 79   | 80   |      | 3.6                                | 3.5  | 3.5  | 3.0  |      | 940   | 990   | 1066  | 1084  |
| 3522 Drugs and medicines                         |      | 64                                    | 64   | 64   | 65   |      | 6.4                                | 7.9  | 7.8  | 8.0  |      | 1680  | 2590  | 2739  | 2984  |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 49                                    | 38   | 38   | 36   |      | 3.4                                | 3.2  | 3.1  | 3.0  |      | 950   | 1010  | 1099  | 1102  |
| 3529 Other chemical products                     |      | 108                                   | 103  | 102  | 100  |      | 4.7                                | 4.2  | 4.3  | 4.0  |      | 1150  | 1200  | 1329  | 1470  |
| 353 Petroleum refineries                         |      | 25                                    | 31   | 30   | 29   |      | 3.9                                | 3.7  | 3.7  | 4.0  |      | 1710  | 1840  | 2012  | 2203  |



|   |      |      |      |      |      |      |       |       |       |       |      |        |        |        |        |
|---|------|------|------|------|------|------|-------|-------|-------|-------|------|--------|--------|--------|--------|
| 354 Misc petroleum and coal products            |      | 13   | 35   | 32   | 29   |      | 1 1   | 1 2   | 1 1   | 1 0   |      | 310    | 420    | 422    | 409    |
| 355 Rubber products                             |      | 35   | 38   | 39   | 37   |      | 7 9   | 7 5   | 7 1   | 6 0   |      | 2030   | 2380   | 2510   | 2325   |
| 3551 Tyres and tubes                            |      |      |      |      |      |      |       |       |       |       |      |        |        |        |        |
| 3559 Other rubber products                      |      |      |      |      |      |      |       |       |       |       |      |        |        |        |        |
| 356 Plastic products                            |      | 255  | 243  | 245  | 249  |      | 12 6  | 12 7  | 13 7  | 14 0  |      | 2450   | 2560   | 3318   | 3683   |
| 361 Pottery, china, earthenware                 |      | 32   | 30   | 32   | 29   |      | 2 9   | 3 0   | 3 0   | 3 0   |      | 600    | 730    | 797    | 840    |
| 362 Glass and products                          |      | 74   | 77   | 74   | 73   |      | 8 9   | 8 9   | 9 0   | 9 0   |      | 2120   | 2390   | 2635   | 2815   |
| 369 Other non-metallic mineral products         |      | 458  | 424  | 442  | 433  |      | 25 3  | 25 1  | 25 9  | 26 0  |      | 6850   | 8050   | 8707   | 9064   |
| 3691 Structural clay products                   |      |      |      |      |      |      |       |       |       |       |      |        |        |        |        |
| 3692 Cement, lime and plaster                   |      |      |      |      |      |      |       |       |       |       |      |        |        |        |        |
| 3699 Other non-metallic mineral products        |      |      |      |      |      |      |       |       |       |       |      |        |        |        |        |
| 371 Iron and steel                              | g/   | 116  | 115  | 111  | 115  | g/   | 47 0  | 38 2  | 36 5  | 33 0  | g/   | 12520  | 12350  | 12199  | 11487  |
| 372 Non-ferrous metals                          | g/   | 55   | 58   | 57   | 57   | g/   | 9 7   | 9 8   | 9 6   | 9 0   | g/   | 2490   | 2940   | 3029   | 3099   |
| 381 Fabricated metal products                   |      | 875  | 862  | 896  | 869  |      | 54 9  | 57 8  | 57 9  | 57 0  |      | 12120  | 15580  | 16241  | 17128  |
| 3811 Cutlery, hand tools and general hardware   |      | 213  | 216  | 230  | 216  |      | 14 1  | 14 2  | 14 5  | 14 0  |      | 3020   | 3670   | 3949   | 4036   |
| 3812 Furniture and fixtures primarily of metal  |      | 129  | 120  | 124  | 107  |      | 9 6   | 10 4  | 11 0  | 11 0  |      | 2040   | 2720   | 2958   | 3234   |
| 3813 Structural metal products                  |      | 296  | 305  | 305  | 318  |      | 18 7  | 22 4  | 20 8  | 21 0  |      | 4440   | 6540   | 6250   | 6503   |
| 3819 Other fabricated metal products            |      | 237  | 221  | 237  | 228  |      | 12 5  | 10 8  | 11 6  | 11 0  |      | 2620   | 2660   | 3084   | 3266   |
| 382 Non-electrical machinery                    |      | 731  | 778  | 833  | 856  |      | 68 3  | 67 6  | 73 0  | 74 0  |      | 17610  | 20260  | 23496  | 26964  |
| 3821 Engines and turbines                       |      | 51   | 51   | 60   | 62   |      | 5 3   | 6 0   | 7 1   | 8 0   |      | 1230   | 1720   | 2367   | 2731   |
| 3822 Agricultural machinery and equipment       |      | 101  | 82   | 87   | 86   |      | 7 6   | 6 4   | 6 7   | 7 0   |      | 1700   | 1460   | 1700   | 1882   |
| 3823 Metal and wood working machinery           |      | 54   | 63   | 63   | 59   |      | 5 8   | 6 7   | 6 8   | 6 0   |      | 1440   | 2000   | 2189   | 2218   |
| 3824 Other special industrial machinery         |      | 285  | 320  | 372  | 373  |      | 36 4  | 32 5  | 36 5  | 36 0  |      | 9680   | 10420  | 12316  | 13465  |
| 3825 Office, computing and accounting machinery |      |      |      |      |      |      |       |       |       |       |      |        |        |        |        |
| 3829 Other non-electrical machinery & equipment |      | 240  | 262  | 251  | 276  |      | 14 2  | 16 0  | 15 9  | 17 0  |      | 3560   | 4630   | 4923   | 5658   |
| 383 Electrical machinery                        |      | 451  | 481  | 496  | 489  |      | 75 1  | 81 0  | 83 0  | 81 0  |      | 16140  | 23250  | 26362  | 28467  |
| 3831 Electrical industrial machinery            |      | 104  | 89   | 98   | 94   |      | 15 6  | 13 6  | 15 1  | 15 0  |      | 3810   | 3600   | 4278   | 4708   |
| 3832 Radio, television and communication equipm |      | 43   | 55   | 63   | 63   |      | 16 0  | 18 4  | 19 6  | 18 0  |      | 3270   | 4670   | 5602   | 6765   |
| 3833 Electrical appliances and housewares       |      | 32   | 35   | 33   | 33   |      | 4 6   | 4 9   | 5 2   | 5 0   |      | 930    | 1130   | 1269   | 1379   |
| 3839 Other electrical apparatus and supplies    |      | 272  | 302  | 302  | 299  |      | 38 9  | 44 1  | 43 1  | 43 0  |      | 10130  | 13950  | 15313  | 16615  |
| 384 Transport equipment                         |      | 113  | 116  | 134  | 135  |      | 32 6  | 30 6  | 31 7  | 31 0  |      | 6200   | 6780   | 9232   | 10424  |
| 3841 Shipbuilding and repairing                 |      | 5    | 4    | 5    | 5    |      | 1 7   | 1 4   | 1 4   | 1 0   |      | 430    | 410    | 472    | 491    |
| 3842 Railroad equipment                         |      | 7    | 7    | 7    | 7    |      | 4 6   | 4 0   | 4 2   | 4 0   |      | 1250   | 1270   | 1474   | 1336   |
| 3843 Motor vehicles                             |      | 67   | 73   | 94   | 94   |      | 23 4  | 22 3  | 23 6  | 23 5  |      | 5900   | 6360   | 6736   | 7755   |
| 3844 Motorcycles and bicycles                   |      | 3    | 2    | 3    | 2    | n/   | 1 3   | 1 4   | 0 9   | 1 0   | n/   | 340    | 420    | 206    | 461    |
| 3845 Aircraft                                   |      | 3    | 4    | 4    | 4    | n/   |       |       |       |       | n/   |        |        |        |        |
| 3849 Other transport equipment                  |      | 28   | 26   | 22   | 23   |      | 1 6   | 1 5   | 1 6   | 1 5   |      | 280    | 320    | 345    | 381    |
| 385 Professional and scientific equipment       |      | 84   | 78   | 81   | 78   |      | 7 5   | 6 7   | 6 8   | 7 0   |      | 1480   | 1490   | 1643   | 1641   |
| 3851 Prof and scientific equipment n e c        |      | 36   | 40   | 41   | 40   |      | 1 6   | 1 7   | 1 8   | 2 0   |      | 300    | 400    | 445    | 493    |
| 3852 Photographic and optical goods             |      | 20   | 20   | 22   | 22   |      | 5 1   | 4 4   | 4 3   | 4 0   |      | 1030   | 950    | 964    | 1188   |
| 3853 Watches and clocks                         |      | 28   | 18   | 18   | 16   |      | 0 9   | 0 6   | 0 7   | 1 0   |      | 150    | 140    | 134    | 160    |
| 390 Other manufacturing industries              |      | 64   | 58   | 55   | 49   |      | 8 3   | 8 1   | 7 1   | 7 0   |      | 1540   | 1820   | 1826   | 1809   |
| 3901 Jewellery and related articles             |      |      |      |      |      |      |       |       |       |       |      |        |        |        |        |
| 3902 Musical instruments                        |      |      |      |      |      |      |       |       |       |       |      |        |        |        |        |
| 3903 Sporting and athletic goods                |      |      |      |      |      |      |       |       |       |       |      |        |        |        |        |
| 3909 Manufacturing industries, n e c            |      |      |      |      |      |      |       |       |       |       |      |        |        |        |        |
| 3 Total manufacturing                           | c/d/ | 9449 | 9025 | 9144 | 8920 | c/d/ | 663 8 | 631 9 | 642 1 | 625 4 | c/d/ | 161100 | 173220 | 187428 | 199416 |

a/ 3211 includes 3212  
c/ Including repair of footwear  
e/ 3412 includes 3419  
g/ 371 includes non-ferrous metal foundries

b/ 3214 includes 3215 and 3219  
d/ Including sawmills  
f/ 3512 includes 3513  
h/ 3844 includes 3845

## Austria

| ISIC Industry                                    | Note | Output in producers' prices<br>(million SCHILLINGS) |        |        |        | Note | Value added in producers' prices<br>(million SCHILLINGS) |       |       |       | Share of value added in output<br>(percentage) |      | Share of wages and salaries in value added<br>(percentage) |      |
|--|------|---|--------|--------|--------|------|--|-------|-------|-------|--|------|--|------|
|  |      | 1985  | 1989   | 1990   | 1991   |      | 1985   | 1989  | 1990  | 1991  | 1985   | 1991 | 1985   | 1991 |
| 311/2 Food Products                              |      | 104830  | 109850 | 116167 | 121558 |      | 22200  | 23720 | 26177 | 28222 | 21.2   | 23.2 | 52.2   | 51.8 |
| 3111 Slaughtering, preparing & preserving meat   |      | 24910   | 26390  | 30112  | 33599  |      | 4940   | 4640  | 5495  | 6067  | 19.8   | 16.0 | 53.4   | 58.5 |
| 3112 Dairy products                              |      | 29860   | 29570  | 28999  | 28712  |      | 3950   | 3350  | 3341  | 3802  | 13.2   | 13.2 | 53.7   | 64.2 |
| 3113 Canning, preserving of fruits & vegetables  |      | 2530  | 4070   | 3480   | 3808   |      | 650  | 760   | 797   | 844   | 25.7   | 22.2 | 44.6   | 47.3 |
| 3114 Canning, preserving and processing of fish  |      |   |        |        |        |      |  |       |       |       |  |      |  |      |
| 3115 Vegetable and animal oils and fats          |      |   |        |        |        |      |  |       |       |       |  |      |  |      |
| 3116 Grain mill products                         |      | 4500  | 4630   | 4868   | 4768   |      | 830  | 940   | 981   | 1070  | 18.4   | 22.4 | 44.6   | 38.2 |
| 3117 Bakery products                             |      | 8980  | 10090  | 11910  | 12711  |      | 3880   | 4700  | 5659  | 6102  | 43.2   | 48.0 | 52.3   | 49.4 |
| 3118 Sugar factories and refineries              |      | 4420  | 3600   | 4190   | 4337   |      | 1240   | 1100  | 1181  | 1073  | 28.1   | 24.7 | 58.9   | 47.1 |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 4600  | 5000   | 5594   | 5629   |      | 1080   | 1550  | 1680  | 1770  | 23.5   | 31.4 | 60.2   | 47.0 |
| 3121 Other food products                         |      | 25030   | 26500  | 27014  | 27994  |      | 6630   | 6660  | 7153  | 7504  | 22.5   | 26.8 | 48.8   | 46.3 |
| 3122 Prepared animal feeds                       |      |   |        |        |        |      |  |       |       |       |  |      |  |      |
| 313 Beverages                                    |      | 20780   | 23080  | 25999  | 28140  |      | 7610   | 8620  | 9658  | 9940  | 35.5   | 35.3 | 46.4   | 45.1 |
| 3131 Distilling, rectifying and blending spirits |      | 6030  | 5370   | 5505   | 5951   |      | 1410   | 1250  | 1388  | 1511  | 23.4   | 25.4 | 44.7   | 47.3 |
| 3132 Wine industries                             |      |   |        |        |        |      |  |       |       |       |  |      |  |      |
| 3133 Malt liquors and malt                       |      | 9480  | 9840   | 11539  | 12091  |      | 4700   | 4830  | 5650  | 5435  | 49.5   | 45.0 | 44.3   | 47.3 |
| 3134 Soft drinks and carbonated waters           |      | 5270  | 7870   | 8955   | 10098  |      | 1500   | 2540  | 2520  | 2994  | 28.5   | 29.6 | 54.7   | 39.8 |
| 314 Tobacco                                      |      | 17650   | 18540  | 18999  | 19782  |      | 14990  | 15730 | 16116 | 16535 | 84.9   | 84.1 | 3.1  | 3.5  |
| 321 Textiles                                     |      | 36530   | 38240  | 40897  | 40812  |      | 12900  | 14000 | 14580 | 14788 | 35.3   | 36.2 | 57.8   | 59.7 |
| 3211 Spinning, weaving and finishing textiles    | a/   | 21070   | 21880  | 22647  | 21782  | a/   | 7320   | 7940  | 8014  | 7733  | 34.7   | 35.5 | 57.1   | 61.3 |
| 3212 Made-up textile goods excl. wearing apparel | a/   |   |        |        |        | a/   |  |       |       |       |  |      |  |      |
| 3213 Knitting mills                              | b/   | 8520  | 7540   | 8172   | 8564   | b/   | 3330   | 3140  | 3195  | 3448  | 39.1   | 40.3 | 61.6   | 61.8 |
| 3214 Carpets and rugs                            | b/   | 6940  | 8740   | 10078  | 10486  | b/   | 2250   | 2920  | 3470  | 3807  | 32.4   | 34.5 | 54.7   | 64.2 |
| 3215 Cordage, rope and twine                     | b/   |   |        |        |        | b/   |  |       |       |       |  |      |  |      |
| 3219 Other textiles                              | b/   |   |        |        |        | b/   |  |       |       |       |  |      |  |      |
| 322 Wearing apparel, except footwear             |      | 15700   | 14900  | 15785  | 15343  |      | 6270   | 5900  | 6220  | 6059  | 39.9   | 39.5 | 63.3   | 63.9 |
| 323 Leather and fur products                     |      | 3030  | 3030   | 3546   | 3283   |      | 760  | 890   | 934   | 979   | 25.1   | 29.8 | 63.2   | 55.0 |
| 3231 Tanneries and leather finishing             |      |   |        |        |        |      |  |       |       |       |  |      |  |      |
| 3232 Fur dressing and dyeing industries          |      |   |        |        |        |      |  |       |       |       |  |      |  |      |
| 3233 Leather prods. excl. wearing apparel        |      |   |        |        |        |      |  |       |       |       |  |      |  |      |
| 324 Footwear, except rubber or plastic           | c/   | 9680  | 7650   | 8049   | 7687   | c/   | 3030   | 2190  | 2423  | 2469  | 31.3   | 32.1 | 65.7   | 60.3 |
| 331 Wood products, except furniture              | d/   | 23940   | 31150  | 36621  | 36034  | d/   | 6170   | 7540  | 9995  | 9918  | 25.8   | 28.3 | 61.9   | 42.9 |
| 3311 Sawmills, planing and other wood mills      |      |   |        |        |        |      |  |       |       |       |  |      |  |      |
| 3312 Wooden and cane containers                  |      |   |        |        |        |      |  |       |       |       |  |      |  |      |
| 3319 Other wood and cork products                |      |   |        |        |        |      |  |       |       |       |  |      |  |      |
| 332 Furniture and fixtures, excl. metal          |      | 20860   | 27970  | 28231  | 32845  |      | 8420   | 11030 | 11301 | 13849 | 40.4   | 42.5 | 62.4   | 65.0 |
| 341 Paper and products                           |      | 37370   | 45750  | 47452  | 47909  |      | 10350  | 14570 | 15159 | 15255 | 27.7   | 31.8 | 52.2   | 49.6 |
| 3411 Pulp, paper and paperboard articles         |      | 28990   | 35360  | 35857  | 35012  |      | 7590   | 11120 | 11209 | 10774 | 26.2   | 30.8 | 51.5   | 48.0 |
| 3412 Containers of paper and paperboard          | e/   | 8380  | 10390  | 11595  | 12897  | e/   | 2760   | 3450  | 3950  | 4481  | 32.9   | 34.7 | 54.0   | 53.3 |
| 3419 Other pulp, paper and paperboard articles   | e/   |   |        |        |        | e/   |  |       |       |       |  |      |  |      |
| 342 Printing and publishing                      |      | 22500   | 30370  | 32184  | 34926  |      | 10610  | 12710 | 13222 | 14330 | 47.2   | 41.0 | 62.2   | 65.2 |
| 351 Industrial chemicals                         |      | 47900   | 53110  | 52517  | 51915  |      | 11490  | 14420 | 14519 | 14186 | 24.0   | 27.3 | 54.7   | 55.3 |
| 3511 Basic chemicals incl. fertilizers           |      | 27990   | 24450  | 22837  | 21183  |      | 6280   | 6050  | 6005  | 5695  | 22.4   | 26.9 | 56.2   | 55.5 |
| 3512 Fertilizers and pesticides                  | f/   | 19910   | 28660  | 29680  | 30732  | f/   | 5210   | 8370  | 8514  | 8490  | 26.2   | 27.6 | 52.8   | 54.5 |
| 3513 Synthetic resins and plastic materials      | f/   |   |        |        |        | f/   |  |       |       |       |  |      |  |      |
| 352 Other chemicals                              |      | 30000   | 37060  | 38485  | 41257  |      | 8230   | 11440 | 12161 | 13571 | 27.4   | 32.9 | 57.4   | 48.9 |
| 3521 Paints, varnishes and lacquers              |      | 5040  | 6260   | 6092   | 6301   |      | 1430   | 1630  | 1627  | 1759  | 23.7   | 27.9 | 65.7   | 61.8 |
| 3522 Drugs and medicines                         |      | 11190   | 16210  | 16989  | 19085  |      | 2890   | 5520  | 5965  | 7109  | 25.8   | 37.2 | 58.1   | 42.0 |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 6290  | 7540   | 7884   | 8055   |      | 1830   | 1980  | 2164  | 2187  | 29.1   | 26.9 | 51.9   | 50.9 |
| 3529 Other chemical products                     |      | 6480  | 7050   | 7520   | 7816   |      | 2080   | 2310  | 2401  | 2539  | 32.1   | 32.5 | 55.3   | 57.9 |
| 353 Petroleum refineries                         |      | 48290   | 32080  | 36123  | 35533  |      | 1480   | 6520  | 5558  | 6325  | 3.1  | 15.0 |  | 41.4 |

|   |      |        |        |         |         |      |        |        |        |        |      |      |      |      |
|---|------|--------|--------|---------|---------|------|--------|--------|--------|--------|------|------|------|------|
| 354 Misc petroleum and coal products            |      | 2380   | 2230   | 2248    | 2215    |      | 500    | 670    | 735    | 805    | 21 0 | 36 3 | 62 0 | 50 8 |
| 355 Rubber products                             |      | 11040  | 11050  | 10733   | 10902   |      | 3470   | 3530   | 3536   | 3824   | 31 4 | 35 1 | 68 5 | 60 8 |
| 3551 Tyres and tubes                            |      |        |        |         |         |      |        |        |        |        |      |      |      |      |
| 3559 Other rubber products                      |      |        |        |         |         |      |        |        |        |        |      |      |      |      |
| 356 Plastic products                            |      | 12070  | 15200  | 17007   | 18723   |      | 4450   | 5310   | 6192   | 7187   | 36 9 | 39 4 | 55 1 | 51 2 |
| 361 Pottery, china, earthenware                 |      | 1580   | 2240   | 2257    | 2299    |      | 360    | 1230   | 1289   | 1294   | 54 4 | 56 3 | 69 8 | 65 6 |
| 362 Glass and products                          |      | 9170   | 10430  | 11115   | 11593   |      | 4740   | 5410   | 5885   | 6074   | 51 7 | 52 4 | 44 7 | 40 3 |
| 369 Other non-metallic mineral products         |      | 35730  | 40830  | 43018   | 46294   |      | 13500  | 15830  | 16746  | 18795  | 37 8 | 40 6 | 50 7 | 48 2 |
| 3691 Structural clay products                   |      |        |        |         |         |      |        |        |        |        |      |      |      |      |
| 3692 Cement, lime and plaster                   |      |        |        |         |         |      |        |        |        |        |      |      |      |      |
| 3699 Other non-metallic mineral products        |      |        |        |         |         |      |        |        |        |        |      |      |      |      |
| 371 Iron and steel                              | g/   | 61140  | 58050  | 55038   | 52286   | g/   | 21750  | 25310  | 23745  | 21121  | 36 6 | 40 4 | 57 5 | 54 4 |
| 372 Non-ferrous metals                          | g/   | 20150  | 27690  | 29148   | 26433   | g/   | 4990   | 6040   | 4939   | 5031   | 24 8 | 19 0 | 49 9 | 61 6 |
| 381 Fabricated metal products                   |      | 49250  | 61800  | 67253   | 69191   |      | 19500  | 26220  | 28807  | 28957  | 39 6 | 41 9 | 62 2 | 59 1 |
| 3811 Cutlery, hand tools and general hardware   |      | 11540  | 14220  | 14372   | 14909   |      | 5130   | 6220   | 6911   | 6967   | 44 5 | 48 5 | 58 9 | 57 9 |
| 3812 Furniture and fixtures primarily of metal  |      | 8150   | 11550  | 12543   | 13955   |      | 3320   | 4760   | 5476   | 6009   | 40 7 | 43 1 | 61 4 | 53 8 |
| 3813 Structural metal products                  |      | 17860  | 24540  | 26650   | 27407   |      | 6520   | 10570  | 11156  | 10488  | 36 5 | 38 3 | 68 1 | 63 0 |
| 3819 Other fabricated metal products            |      | 11700  | 11450  | 13151   | 13457   |      | 4530   | 4570   | 5264   | 5495   | 38 7 | 40 8 | 57 8 | 59 2 |
| 382 Non-electrical machinery                    |      | 80010  | 87800  | 103734  | 111652  |      | 28970  | 32610  | 37432  | 40052  | 36 2 | 35 9 | 60 8 | 64 8 |
| 3821 Engines and turbines                       |      | 5100   | 7190   | 9754    | 11337   |      | 1970   | 2720   | 3375   | 3425   | 38 6 | 30 2 | 62 4 | 79 7 |
| 3822 Agricultural machinery and equipment       |      | 7170   | 6560   | 9071    | 9460    |      | 2700   | 2450   | 2872   | 2926   | 37 7 | 30 9 | 63 0 | 64 3 |
| 3823 Metal and wood working machinery           |      | 5100   | 7980   | 8522    | 8341    |      | 2230   | 3490   | 3465   | 3237   | 43 7 | 38 8 | 64 6 | 68 6 |
| 3824 Other special industrial machinery         |      | 48880  | 48540  | 58481   | 51974   |      | 16310  | 16280  | 19695  | 21144  | 33 4 | 34 1 | 59 4 | 63 7 |
| 3825 Office, computing and accounting machinery |      |        |        |         |         |      |        |        |        |        |      |      |      |      |
| 3829 Other non-electrical machinery & equipment |      | 13760  | 17430  | 17906   | 20540   |      | 5760   | 7670   | 8025   | 9320   | 41 9 | 45 4 | 61 8 | 60 7 |
| 383 Electrical machinery                        |      | 79510  | 108330 | 119954  | 128544  |      | 29580  | 39100  | 44543  | 46391  | 37 2 | 36 1 | 61 3 | 61 4 |
| 3831 Electrical industrial machinery            |      | 12470  | 14810  | 17645   | 19564   |      | 5200   | 5590   | 5733   | 7598   | 41 7 | 38 5 | 73 3 | 62 0 |
| 3832 Radio, television and communication equipm |      | 18060  | 28370  | 32545   | 33350   |      | 5480   | 8550   | 9910   | 9247   | 30 3 | 27 7 | 59 7 | 62 3 |
| 3833 Electrical appliances and housewares       |      | 4290   | 5600   | 6436    | 6755    |      | 1540   | 1850   | 2358   | 2392   | 35 9 | 35 4 | 60 4 | 57 7 |
| 3839 Other electrical apparatus and supplies    |      | 44690  | 59550  | 63328   | 68875   |      | 17360  | 23110  | 25642  | 27154  | 38 8 | 39 4 | 58 4 | 61 2 |
| 384 Transport equipment                         |      | 40040  | 44960  | 53956   | 63170   |      | 15380  | 16510  | 18782  | 21177  | 38 4 | 33 5 | 53 3 | 49 2 |
| 3841 Shipbuilding and repairing                 |      | 1510   | 1050   | 1473    | 1371    |      | 760    | 440    | 525    | 481    | 60 3 | 35 1 | 56 6 |      |
| 3842 Railroad equipment                         |      | 3840   | 3730   | 4690    | 4467    |      | 1830   | 1670   | 2393   | 2132   | 47 7 | 47 7 | 68 3 | 62 7 |
| 3843 Motor vehicles                             |      | 31740  | 36780  | 44460   | 53289   |      | 11880  | 13360  | 15044  | 17231  | 37 4 | 32 3 | 49 7 | 46 0 |
| 3844 Motorcycles and bicycles                   | n/   | 1460   | 1530   | 1235    | 1755    | n/   | 460    | 510    | 281    | 720    | 31 5 | 41 0 | 73 9 | 64 0 |
| 3845 Aircraft                                   | n/   |        |        |         |         | n/   |        |        |        |        |      |      |      |      |
| 3849 Other transport equipment                  |      | 1490   | 1870   | 2098    | 2288    |      | 450    | 530    | 539    | 613    | 30 2 | 26 8 | 62 2 | 62 2 |
| 385 Professional and scientific equipment       |      | 5180   | 5160   | 5179    | 5192    |      | 2380   | 2470   | 2520   | 2915   | 45 9 | 47 1 | 62 2 | 63 2 |
| 3851 Prof. and scientific equipment n e c       |      | 1370   | 1610   | 1675    | 1927    |      | 600    | 660    | 705    | 820    | 43 8 | 42 5 | 50 0 | 50 1 |
| 3852 Photographic and optical goods             |      | 3180   | 3010   | 2980    | 3683    |      | 1570   | 1590   | 1608   | 1863   | 49 4 | 50 5 | 65 5 | 63 8 |
| 3853 Watches and clocks                         |      | 630    | 540    | 524     | 582     |      | 210    | 220    | 209    | 232    | 33 3 | 39 9 | 71 4 | 69 0 |
| 390 Other manufacturing industries              |      | 6740   | 7500   | 6983    | 6980    |      | 2560   | 3110   | 2830   | 2892   | 37 8 | 41 4 | 60 4 | 62 6 |
| 3901 Jewellery and related articles             |      |        |        |         |         |      |        |        |        |        |      |      |      |      |
| 3902 Musical instruments                        |      |        |        |         |         |      |        |        |        |        |      |      |      |      |
| 3903 Sporting and athletic goods                |      |        |        |         |         |      |        |        |        |        |      |      |      |      |
| 3909 Manufacturing industries, n e c            |      |        |        |         |         |      |        |        |        |        |      |      |      |      |
| 3 Total manufacturing                           | c/d/ | 853050 | 956150 | 1028688 | 1072598 | c/d/ | 277130 | 332730 | 356083 | 372141 | 32 5 | 34 7 | 54 5 | 53 6 |

a/ 3211 includes 3212

c/ Including repair of footwear

e/ 3412 includes 3419

g/ 371 includes non-ferrous metal foundries

b/ 3214 includes 3215 and 3219

d/ Including sawmills

f/ 3512 includes 3513

h/ 3844 includes 3845

## Austria

## Gross fixed capital formation

(million SCHILLINGS)

| ISIC Industry                             | Note | 1985  | 1989  | 1990  | 1991  |
|---|------|-------|-------|-------|-------|
| 311/2 Food Products                       |      | 3980  | 5260  | 5016  | 5315  |
| 313 Beverages                             |      | 1650  | 2570  | 2512  | 3104  |
| 314 Tobacco                               |      | 280   | 130   | 293   | 252   |
| 321 Textiles                              |      | 1950  | 2570  | 3071  | 3298  |
| 322 Wearing apparel, except footwear      |      | 530   | 410   | 459   | 373   |
| 323 Leather and fur products              |      | 140   | 90    | 120   | 167   |
| 324 Footwear, except rubber or plastic    | c/   | 320   | 210   | 231   | 203   |
| 331 Wood products, except furniture       | d/   | 1770  | 2180  | 2977  | 2883  |
| 332 Furniture and fixtures, excl metal    |      | 980   | 1510  | 1589  | 1992  |
| 341 Paper and products                    |      | 3150  | 4660  | 9547  | 6098  |
| 342 Printing and publishing               |      | 1360  | 1810  | 2009  | 3519  |
| 351 Industrial chemicals                  |      | 2910  | 3200  | 3670  | 4235  |
| 352 Other chemicals                       |      | 1690  | 3180  | 2722  | 2608  |
| 353 Petroleum refineries                  |      | 700   | 1050  | 1208  | 1172  |
| 354 Misc petroleum and coal products      |      | 80    | 160   | 222   | 93    |
| 355 Rubber products                       |      | 490   | 620   | 543   | 547   |
| 356 Plastic products                      |      | 900   | 1180  | 1704  | 1687  |
| 361 Pottery, china, earthenware           |      | 120   | 180   | 276   | 112   |
| 362 Glass and products                    |      | 840   | 1010  | 1936  | 1556  |
| 369 Other non-metallic mineral products   |      | 2680  | 3220  | 3350  | 4006  |
| 371 Iron and steel                        | g/   | 3320  | 3870  | 3645  | 3577  |
| 372 Non-ferrous metals                    | g/   | 820   | 880   | 1340  | 1730  |
| 381 Fabricated metal products             |      | 2500  | 3670  | 4186  | 4601  |
| 382 Non-electrical machinery              |      | 3250  | 3770  | 4686  | 4852  |
| 383 Electrical machinery                  |      | 5550  | 5730  | 6719  | 6899  |
| 384 Transport equipment                   |      | 1640  | 2720  | 2409  | 4438  |
| 385 Professional and scientific equipment |      | 290   | 240   | 282   | 364   |
| 390 Other manufacturing industries        |      | 210   | 340   | 234   | 243   |
| 3 Total manufacturing                     | c/d/ | 44100 | 56420 | 66956 | 69914 |

a/ 311/2 includes 313  
 c/ Including repair of footwear  
 e/ 331 includes 332  
 g/ 371 includes non-ferrous metal foundries

## Index numbers of industrial production

(1980=100)

| Note | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
|------|------|------|------|------|------|------|------|------|------|
| a/   | 109  | 113  | 116  | 116  | 118  | 125  | 136  | 144  | 146  |
| a/   | 98   | 106  | 101  | 99   | 94   | 96   | 99   | 107  | 103  |
| b/   | 89   | 91   | 91   | 87   | 90   | 94   | 99   | 99   | 96   |
| b/   | 95   | 93   | 94   | 92   | 86   | 87   | 86   | 83   | 74   |
| b/   | 94   | 90   | 93   | 82   | 75   | 82   | 83   | 81   | 78   |
| e/   | 96   | 100  | 104  | 108  | 114  | 126  | 138  | 150  | 154  |
| e/   | 114  | 123  | 126  | 134  | 149  | 158  | 164  | 172  | 176  |
| f/   | 123  | 118  | 115  | 120  | 134  | 139  | 141  | 142  | 143  |
| f/   | 96   | 93   | 92   | 92   | 98   | 100  | 101  | 106  | 106  |
|      | 105  | 109  | 101  | 103  | 109  | 103  | 106  | 99   | 98   |
|      | 100  | 97   | 99   | 100  | 106  | 109  | 111  | 111  | 113  |
|      | 111  | 127  | 134  | 138  | 138  | 138  | 167  | 174  | 180  |
| g/   | 103  | 104  | 98   | 96   | 106  | 112  | 110  | 103  | 99   |
| g/   | 116  | 116  | 120  | 125  | 139  | 139  | 134  | 128  | 129  |
|      | 113  | 120  | 122  | 122  | 134  | 146  | 150  | 155  | 157  |
|      | 86   | 96   | 101  | 94   | 99   | 108  | 132  | 131  | 126  |
|      | 121  | 132  | 147  | 143  | 147  | 162  | 181  | 195  | 190  |
|      | 110  | 134  | 128  | 122  | 140  | 158  | 179  | 182  | 183  |

b/ 323 includes 324  
 d/ Including sawmills  
 f/ 351 includes 352

## BAHAMAS

**Supplier of information:**

Department of Statistics, Nassau.

**Basic source of data:**

Not reported.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

Not reported.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Output is not adjusted for the cost of goods sold in the same condition as received.

Gross fixed capital formation relates to new fixed assets only.

**Related national publications:**

Survey of Industry Report, published by the Department of Statistics, Nassau.

## Bahamas

| ISIC Industry                             | Number of establishments |           |      |      | Number of employees |      |           |      | Wages and salaries paid to employees |      |      |                    |       |       |       |
|---|--------------------------|-----------|------|------|---------------------|------|-----------|------|--------------------------------------|------|------|--------------------|-------|-------|-------|
|   | Note                     | (numbers) |      |      |                     | Note | (numbers) |      |                                      |      | Note | (thousand DOLLARS) |       |       |       |
|   |                          | 1985      | 1989 | 1990 | 1991                |      | 1985      | 1989 | 1990                                 | 1991 |      | 1985               | 1989  | 1990  | 1991  |
| 311/2 Food Products                       |                          | ..        | 27   | 27   | 31                  |      | ..        | 274  | 252                                  | 221  |      | ..                 | 3451  | 3357  | 3221  |
| 313 Beverages                             |                          | ..        | 9    | 9    | 4                   |      | ..        | 579  | 490                                  | 540  |      | ..                 | 10638 | 9626  | 12289 |
| 314 Tobacco                               |                          | ..        | ..   | ..   | ..                  |      | ..        | ..   | ..                                   | ..   |      | ..                 | ..    | ..    | ..    |
| 321 Textiles                              |                          | ..        | 7    | 8    | 5                   |      | ..        | 23   | 47                                   | 27   |      | ..                 | 212   | 400   | 189   |
| 322 Wearing apparel, except footwear      |                          | ..        | 51   | 52   | 48                  |      | ..        | 144  | 210                                  | 191  |      | ..                 | 895   | 2073  | 1179  |
| 323 Leather and fur products              |                          | ..        | ..   | ..   | ..                  |      | ..        | ..   | ..                                   | ..   |      | ..                 | ..    | ..    | ..    |
| 324 Footwear, except rubber or plastic    |                          | ..        | ..   | ..   | ..                  |      | ..        | ..   | ..                                   | ..   |      | ..                 | ..    | ..    | ..    |
| 331 Wood products, except furniture       |                          | ..        | ..   | ..   | ..                  |      | ..        | ..   | ..                                   | ..   |      | ..                 | ..    | ..    | ..    |
| 332 Furniture and fixtures, excl. metal   |                          | ..        | 33   | 35   | 33                  |      | ..        | 118  | 142                                  | 127  |      | ..                 | 692   | 1213  | 1603  |
| 341 Paper and products                    |                          | ..        | ..   | ..   | ..                  |      | ..        | ..   | ..                                   | ..   |      | ..                 | ..    | ..    | ..    |
| 342 Printing and publishing               |                          | ..        | 47   | 49   | 31                  |      | ..        | 391  | 409                                  | 357  |      | ..                 | 5340  | 5119  | 5851  |
| 351 Industrial chemicals                  |                          | ..        | ..   | ..   | ..                  |      | ..        | ..   | ..                                   | ..   |      | ..                 | ..    | ..    | ..    |
| 352 Other chemicals                       |                          | ..        | 7    | 7    | 9                   |      | ..        | 311  | 279                                  | 282  |      | ..                 | 9642  | 9779  | 11540 |
| 353 Petroleum refineries                  |                          | ..        | ..   | ..   | ..                  |      | ..        | ..   | ..                                   | ..   |      | ..                 | ..    | ..    | ..    |
| 354 Misc. petroleum and coal products     |                          | ..        | ..   | ..   | ..                  |      | ..        | ..   | ..                                   | ..   |      | ..                 | ..    | ..    | ..    |
| 355 Rubber products                       |                          | ..        | ..   | ..   | ..                  |      | ..        | ..   | ..                                   | ..   |      | ..                 | ..    | ..    | ..    |
| 356 Plastic products                      |                          | ..        | ..   | ..   | ..                  |      | ..        | ..   | ..                                   | ..   |      | ..                 | ..    | ..    | ..    |
| 361 Pottery, china, earthenware           |                          | ..        | ..   | ..   | ..                  |      | ..        | ..   | ..                                   | ..   |      | ..                 | ..    | ..    | ..    |
| 362 Glass and products                    |                          | ..        | ..   | ..   | ..                  |      | ..        | ..   | ..                                   | ..   |      | ..                 | ..    | ..    | ..    |
| 369 Other non-metallic mineral products   |                          | ..        | 17   | 16   | 14                  |      | ..        | 172  | 147                                  | 151  |      | ..                 | 2728  | 2339  | 3050  |
| 371 Iron and steel                        |                          | ..        | 9    | 9    | 8                   |      | ..        | 84   | 89                                   | 103  |      | ..                 | 513   | 431   | 1135  |
| 372 Non-ferrous metals                    |                          | ..        | ..   | ..   | ..                  |      | ..        | ..   | ..                                   | ..   |      | ..                 | ..    | ..    | ..    |
| 381 Fabricated metal products             |                          | ..        | ..   | ..   | ..                  |      | ..        | ..   | ..                                   | ..   |      | ..                 | ..    | ..    | ..    |
| 382 Non-electrical machinery              |                          | ..        | ..   | ..   | ..                  |      | ..        | ..   | ..                                   | ..   |      | ..                 | ..    | ..    | ..    |
| 383 Electrical machinery                  |                          | ..        | ..   | ..   | ..                  |      | ..        | ..   | ..                                   | ..   |      | ..                 | ..    | ..    | ..    |
| 384 Transport equipment                   |                          | ..        | ..   | ..   | ..                  |      | ..        | ..   | ..                                   | ..   |      | ..                 | ..    | ..    | ..    |
| 385 Professional and scientific equipment |                          | ..        | ..   | ..   | ..                  |      | ..        | ..   | ..                                   | ..   |      | ..                 | ..    | ..    | ..    |
| 390 Other manufacturing industries        |                          | ..        | 42   | 44   | 20                  |      | ..        | 249  | 178                                  | 147  |      | ..                 | 2974  | 2180  | 1927  |
| 3 Total manufacturing                     |                          | ..        | 249  | 256  | 203                 |      | ..        | 2345 | 2243                                 | 2145 |      | ..                 | 38165 | 37517 | 42084 |

## Bahamas

| ISIC Industry                             | Note | Output in producers' prices |      |      |      | Note | Value added in producers' prices |       |       |       | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-----------------------------|------|------|------|------|----------------------------------|-------|-------|-------|--------------------------------|------|--|------|
|   |      | (million DOLLARS)           |      |      |      |      | (thousand DOLLARS)               |       |       |       | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                        | 1989 | 1990 | 1991 |      | 1985                             | 1989  | 1990  | 1991  | 1985                           | 1991 | 1985                                       | 1991 |
| 311/2 Food Products                       |      |                             | 11   | 13   | 12   |      |                                  | 6221  | 8172  | 7670  |                                | 63.9 |  | 42.0 |
| 313 Beverages                             |      |                             | 83   | 83   | 102  |      |                                  | 32750 | 27880 | 47347 |                                | 46.4 |  | 26.0 |
| 314 Tobacco                               |      |                             |      |      |      |      |                                  |       |       |       |                                |      |  |      |
| 321 Textiles                              |      |                             | 1    | 2    | 1    |      |                                  | 573   | 1185  | 560   |                                | 66.0 |  | 33.7 |
| 322 Wearing apparel, except footwear      |      |                             | 3    | 4    | 5    |      |                                  | 2267  | 1891  | 2484  |                                | 49.7 |  | 47.5 |
| 323 Leather and fur products              |      |                             |      |      |      |      |                                  |       |       |       |                                |      |  |      |
| 324 Footwear, except rubber or plastic    |      |                             |      |      |      |      |                                  |       |       |       |                                |      |  |      |
| 331 Wood products, except furniture       |      |                             |      |      |      |      |                                  |       |       |       |                                |      |  |      |
| 332 Furniture and fixtures, excl. metal   |      |                             | 7    | 4    | 5    |      |                                  | 4155  | 2908  | 2993  |                                | 69.9 |  | 63.6 |
| 341 Paper and products                    |      |                             |      |      |      |      |                                  |       |       |       |                                |      |  |      |
| 342 Printing and publishing               |      |                             | 18   | 17   | 16   |      |                                  | 11239 | 10651 | 8313  |                                | 62.0 |  | 70.4 |
| 351 Industrial chemicals                  |      |                             |      |      |      |      |                                  |       |       |       |                                |      |  |      |
| 352 Other chemicals                       |      |                             | 16   | 15   | 17   |      |                                  | 11090 | 10656 | 12735 |                                | 74.9 |  | 91.4 |
| 353 Petroleum refineries                  |      |                             |      |      |      |      |                                  |       |       |       |                                |      |  |      |
| 354 Misc. petroleum and coal products     |      |                             |      |      |      |      |                                  |       |       |       |                                |      |  |      |
| 355 Rubber products                       |      |                             |      |      |      |      |                                  |       |       |       |                                |      |  |      |
| 356 Plastic products                      |      |                             |      |      |      |      |                                  |       |       |       |                                |      |  |      |
| 361 Pottery, china, earthenware           |      |                             |      |      |      |      |                                  |       |       |       |                                |      |  |      |
| 362 Glass and products                    |      |                             |      |      |      |      |                                  |       |       |       |                                |      |  |      |
| 369 Other non-metallic mineral products   |      |                             | 15   | 14   | 15   |      |                                  | 6372  | 4535  | 6563  |                                | 43.8 |  | 46.5 |
| 371 Iron and steel                        |      |                             | 3    | 3    | 4    |      |                                  | 1213  | 2009  | 2192  |                                | 54.8 |  | 61.8 |
| 372 Non-ferrous metals                    |      |                             |      |      |      |      |                                  |       |       |       |                                |      |  |      |
| 381 Fabricated metal products             |      |                             |      |      |      |      |                                  |       |       |       |                                |      |  |      |
| 382 Non-electrical machinery              |      |                             |      |      |      |      |                                  |       |       |       |                                |      |  |      |
| 383 Electrical machinery                  |      |                             |      |      |      |      |                                  |       |       |       |                                |      |  |      |
| 384 Transport equipment                   |      |                             |      |      |      |      |                                  |       |       |       |                                |      |  |      |
| 385 Professional and scientific equipment |      |                             |      |      |      |      |                                  |       |       |       |                                |      |  |      |
| 390 Other manufacturing industries        |      |                             | 22   | 14   | 14   |      |                                  | 8903  | 4949  | 5216  |                                | 37.3 |  | 36.9 |
| 3 Total manufacturing                     |      |                             | 179  | 169  | 191  |      |                                  | 84783 | 74835 | 96074 |                                | 60.3 |  | 43.8 |

## Bahamas

## Gross fixed capital formation

(thousand DOLLARS)

| ISIC Industry                             | Note | 1985  | 1989  | 1990  | 1991 |
|---|------|-------|-------|-------|------|
| 311/2 Food Products                       |      |       |       |       |      |
| 313 Beverages                             |      |       |       |       |      |
| 314 Tobacco                               |      |       |       |       |      |
| 321 Textiles                              |      |       |       |       |      |
| 322 wearing apparel, except footwear      |      |       |       |       |      |
| 323 Leather and fur products              |      |       |       |       |      |
| 324 Footwear, except rubber or plastic    |      |       |       |       |      |
| 331 Wood products, except furniture       |      |       |       |       |      |
| 332 Furniture and fixtures, excl metal    |      |       |       |       |      |
| 341 Paper and products                    |      |       |       |       |      |
| 342 Printing and publishing               |      |       |       |       |      |
| 351 Industrial chemicals                  |      |       |       |       |      |
| 352 Other chemicals                       |      |       |       |       |      |
| 353 Petroleum refineries                  |      |       |       |       |      |
| 354 Misc petroleum and coal products      |      |       |       |       |      |
| 355 Rubber products                       |      |       |       |       |      |
| 356 Plastic products                      |      |       |       |       |      |
| 361 Pottery, china, earthenware           |      |       |       |       |      |
| 362 Glass and products                    |      |       |       |       |      |
| 369 Other non-metallic mineral products   |      |       |       |       |      |
| 371 Iron and steel                        |      |       |       |       |      |
| 372 Non-ferrous metals                    |      |       |       |       |      |
| 381 Fabricated metal products             |      |       |       |       |      |
| 382 Non electrical machinery              |      |       |       |       |      |
| 383 Electrical machinery                  |      |       |       |       |      |
| 384 Transport equipment                   |      |       |       |       |      |
| 385 Professional and scientific equipment |      |       |       |       |      |
| 390 Other manufacturing industries        |      |       |       |       |      |
| 3 Total manufacturing                     |      | 33843 | 27477 | 14656 |      |

## Index numbers of industrial production

(1980=100)

|  | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
|--|------|------|------|------|------|------|------|------|------|
|--|------|------|------|------|------|------|------|------|------|



## BANGLADESH

**Supplier of information:**

Bangladesh Bureau of Statistics (BBS), Statistics Division, Ministry of Planning, Dhaka.

**Basic source of data:**

Annual census of manufacturing industries.

**Major deviations from current version of ISIC:**

Repair of mechanically propelled vehicles, watches and clocks (part of ISIC major division 9) is allocated to ISIC 384 and 390.

**Reference period (if not calendar year):**

Fiscal year ending 30 June of the year indicated.

**Scope:**

Registered establishments with 10 or more persons engaged. Hand-loom weaving is not included.

**Method of enumeration:**

Questionnaires distributed by mail with follow-up site visits as required.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

Number of employees includes persons employed through labour contractors.

Wages and salaries includes payments made to labour contractors.

Output and value added refer to census output and census value added, respectively.

**Related national publications:**

Census of Manufacturing Industries in Bangladesh (annual); Statistical Yearbook of Bangladesh, both published by the Bangladesh Bureau of Statistics, Statistics Division, Ministry of Planning, Dhaka.

## Bangladesh

| ISIC Industry   | Number of establishments a/<br>(numbers) |      |      |       |       | Number of employees<br>(thousands) |       |       |       |       | Wages and salaries paid<br>to employees<br>(million Taka) |       |        |        |         |
|---|--|------|------|-------|-------|------------------------------------|-------|-------|-------|-------|---|-------|--------|--------|---------|
|   | Note                                     | 1985 | 1988 | 1989  | 1990  | Note                               | 1985  | 1988  | 1989  | 1990  | Note  | 1985  | 1988   | 1989   | 1990    |
| 311-2 Food products                                   |  | 610  | 638  | 6005  | 6082  |                                    | 46.7  | 51.1  | 125.9 | 110.7 |   | 525.0 | 1075.0 | 2138.0 | 2453.3  |
| 3111 Slaughtering, preparing & preserving meat        |  | 16   | 7    | 98    | 79    |                                    | 0.8   | 0.6   | 1.9   | 1.5   |   | 9.4   | 13.0   | 36.0   | 31.4    |
| 3112 Dairy products                                   |  | 6    | 7    | 18    | 20    |                                    | 0.1   | 0.1   | 0.3   | 0.4   |   | 0.9   | 2.0    | 6.0    | 6.3     |
| 3113 Canning, preserving of fruits & vegetables       |  | 25   | 27   | 88    | 106   |                                    | 2.9   | 3.1   | 4.9   | 5.7   |   | 48.2  | 67.0   | 106.0  | 127.7   |
| 3114 Canning, preserving and processing of fish       |  | 105  | 103  | 402   | 476   |                                    | 2.7   | 2.0   | 6.7   | 6.6   |   | 38.6  | 51.0   | 164.0  | 214.1   |
| 3115 Vegetable and animal oils and fats               |  | 1    | 128  | 3980  | 3817  |                                    | 6.2   | 2.6   | 28.9  | 29.4  |   | 37.0  | 38.0   | 387.0  | 318.6   |
| 3116 Grain mill products                              |  | 85   | 95   | 892   | 872   |                                    | 2.9   | 3.6   | 11.1  | 11.0  |   | 37.3  | 53.0   | 163.0  | 140.5   |
| 3117 Bakery products                                  |  | 16   | 16   | 24    | 36    |                                    | 18.1  | 24.1  | 32.7  | 30.9  |   | 318.9 | 667.0  | 933.0  | 1108.8  |
| 3118 Sugar factories and refineries                   |  | 16   | 16   | 24    | 36    |                                    | 0.2   | 0.2   | 1.3   | 1.5   |   | 2.4   | 3.0    | 14.0   | 25.5    |
| 3119 Cocoa, chocolate and sugar confectionery         |  | 347  | 193  | 591   | 552   |                                    | 18.0  | 3.8   | 35.8  | 17.9  |   | 159.1 | 182.0  | 359.0  | 306.0   |
| 3121 Other food products                              |  |      | 3    | 4     | 10    |                                    |       | 0.1   | 0.1   | 0.2   |   | 1.0   | 1.0    | 1.0    | 2.4     |
| 3122 Prepared animal feeds                            |  |      |      |       |       |                                    |       |       |       |       |   |       |        |        |         |
| 313 Beverages   |  | 6    | 6    | 7     | 11    |                                    | 0.6   | 0.8   | 0.9   | 1.0   |   | 10.8  | 18.0   | 28.0   | 23.4    |
| 3131 Distilling, rectifying and blending spirits      |  | 1    | 1    | 3     | 3     |                                    | 0.2   | 0.2   | 0.4   | 0.3   |   | 4.5   | 7.0    | 16.0   | 6.8     |
| 3132 Wine industries                                  |  |      |      |       |       |                                    |       |       |       |       |   |       |        |        |         |
| 3133 Malt liquors and malt                            |  |      |      |       |       |                                    |       |       |       |       |   |       |        |        |         |
| 3134 Soft drinks and carbonated waters                |  | 5    | 5    | 4     | 8     |                                    | 0.4   | 0.6   | 0.4   | 0.7   |   | 6.3   | 11.0   | 10.0   | 17.8    |
| 314 Tobacco   |  | 23   | 23   | 535   | 404   |                                    | 6.6   | 5.4   | 33.2  | 27.2  |   | 159.7 | 193.0  | 452.0  | 369.8   |
| 321 Textiles  |  | 1559 | 2316 | 10153 | 11041 |                                    | 283.0 | 297.2 | 483.2 | 512.5 |   | 414.6 | 6228.0 | 9138.0 | 12948.4 |
| 3211 Spinning, weaving and finishing textiles         |  | 199  | 2047 | 8230  | 9274  |                                    | 268.1 | 290.0 | 434.3 | 483.6 |   | 384.5 | 6115.0 | 8746.0 | 12498.6 |
| 3212 Made up textile goods excl. wearing apparel      |  |      | 4    | 84    | 75    |                                    |       | 0.2   | 2.8   | 1.7   |   |       | 3.0    | 5.0    | 22.1    |
| 3213 Knitting mills                                   |  | 174  | 171  | 1359  | 1183  |                                    | 1.6   | 1.9   | 13.5  | 11.9  |   | 11.4  | 20.0   | 139.0  | 136.2   |
| 3214 Carpets and rugs                                 |  | 5    | 5    | 8     | 9     |                                    | 1.4   | 1.4   | 2.5   | 4.0   |   | 18.9  | 34.0   | 62.0   | 129.2   |
| 3215 Cordage, rope and twine                          |  | 6    | 5    | 148   | 162   |                                    | 0.1   | 0.1   | 2.9   | 2.8   |   | 1.0   | 1.0    | 31.0   | 34.3    |
| 3219 Other textiles                                   |  | 1175 | 84   | 324   | 338   |                                    | 33.7  | 3.6   | 7.2   | 8.5   |   | 265.3 | 55.0   | 110.0  | 129.1   |
| 322 wearing apparel, except footwear                  |  | 46   | 84   | 633   | 666   |                                    | 9.5   | 20.5  | 151.2 | 163.5 |   | 92.9  | 195.0  | 1585.0 | 1989.8  |
| 323 leather and fur products                          |  | 133  | 132  | 401   | 356   |                                    | 3.6   | 4.7   | 9.5   | 10.4  |   | 50.0  | 84.4   | 170.0  | 200.3   |
| 3231 Lanners and leather finishing                    |  | 130  | 129  | 396   | 337   |                                    | 3.6   | 4.6   | 9.4   | 9.7   |   | 49.8  | 84.0   | 167.0  | 188.6   |
| 3232 Fur dressing and dyeing industries               |  |      |      |       | 7     |                                    |       |       |       | 0.2   |   |       |        |        | 2.9     |
| 3233 leather goods excl. wearing apparel              |  | 3    | 3    | 6     | 12    |                                    |       |       | 0.1   | 0.5   |   | 0.1   | 0.4    | 3.0    | 8.8     |
| 324 footwear, except rubber or plastic                |  | 5    | 5    | 42    | 105   |                                    | 1.4   | 1.7   | 3.3   | 3.8   |   | 36.3  | 75.0   | 246.0  | 201.6   |
| 331 wood products, except furniture                   |  | 33   | 32   | 1292  | 1317  |                                    | 2.2   | 1.8   | 12.1  | 12.9  |   | 36.8  | 49.0   | 178.0  | 207.0   |
| 3311 Sawmills, planing and other wood mills           |  | 21   | 21   | 1090  | 1055  |                                    | 0.2   | 0.3   | 7.0   | 6.9   |   | 1.9   | 6.0    | 106.0  | 107.0   |
| 3312 Other wood and cork products                     |  | 12   | 10   | 193   | 248   |                                    | 2.0   | 1.4   | 4.1   | 4.7   |   | 35.4  | 39.0   | 28.0   | 49.8    |
| 332 furniture and fixtures, excl. metal               |  | 18   | 18   | 243   | 408   |                                    | 1.6   | 1.3   | 2.8   | 5.2   |   | 24.9  | 30.0   | 37.0   | 68.7    |
| 341 Paper and products                                |  | 26   | 28   | 45    | 51    |                                    | 8.8   | 9.6   | 16.1  | 16.4  |   | 205.6 | 329.0  | 560.0  | 597.8   |
| 3411 Pulp, paper and paperboard articles              |  | 6    | 7    | 15    | 41    |                                    | 7.8   | 8.2   | 13.1  | 15.2  |   | 188.2 | 301.0  | 480.0  | 659.8   |
| 3412 Containers of paper and paperboard               |  | 20   | 21   | 30    | 10    |                                    | 1.0   | 1.4   | 3.0   | 1.2   |   | 17.4  | 28.0   | 80.0   | 38.0    |
| 3419 Other pulp, paper and paperboard articles        |  | 173  | 180  | 544   | 680   |                                    | 6.7   | 7.4   | 21.3  | 14.6  |   | 111.8 | 155.0  | 577.0  | 365.2   |
| 351 Industrial chemicals                              |  | 26   | 167  | 278   | 56    |                                    | 6.9   | 20.9  | 31.0  | 10.8  |   | 191.7 | 638.0  | 1232.0 | 577.1   |
| 3511 Basic chemicals excl. fertilizers                |  | 9    | 142  | 261   | 32    |                                    | 0.7   | 13.1  | 22.5  | 1.5   |   | 26.8  | 482.0  | 824.0  | 91.5    |
| 3512 Fertilizers and pesticides                       |  | 9    | 25   | 22    | 21    |                                    | 5.8   | 7.8   | 8.5   | 9.3   |   | 157.5 | 355.0  | 397.0  | 485.2   |
| 3513 Synthetic resins and plastic materials           |  | 8    |      | 5     | 3     |                                    | 0.3   |       |       |       |   | 7.4   |        | 1.0    | 0.4     |
| 352 Other chemicals                                   |  | 407  | 263  | 348   | 611   |                                    | 29.1  | 13.9  | 14.8  | 35.5  |   | 578.2 | 400.0  | 522.0  | 1327.1  |
| 3521 Paints, varnishes and lacquers                   |  | 25   | 24   | 20    | 23    |                                    | 0.6   | 0.6   | 0.3   | 0.7   |   | 8.4   | 15.0   | 7.0    | 21.0    |
| 3522 Drugs and medicines                              |  | 187  | 44   | 119   | 290   |                                    | 14.2  | 1.9   | 4.5   | 21.6  |   | 317.8 | 25.0   | 135.0  | 808.3   |
| 3523 Soap, cleaning preparations, perfumes, cosmetics |  | 115  | 124  | 139   | 219   |                                    | 3.8   | 3.8   | 6.1   | 5.3   |   | 117.5 | 173.0  | 246.0  | 269.9   |
| 3529 Other chemical products                          |  | 80   | 71   | 70    | 79    |                                    | 10.6  | 7.8   | 4.9   | 8.9   |   | 134.5 | 187.0  | 135.0  | 227.9   |
| 353 Petroleum refineries                              |  | 1    | 1    | 1     | 1     |                                    | 0.6   | 0.6   | 0.9   | 0.8   |   | 42.1  | 65.0   | 100.0  | 105.7   |

|   |         |      |       |       |          |       |       |        |           |         |         |         |
|---|---------|------|-------|-------|----------|-------|-------|--------|-----------|---------|---------|---------|
| 354 Misc petroleum and coal products            | 1       | 13   | 2     | 5     | 0 2      | 0 1   | 0 2   | 0 4    | 6 0       | 2 0     | 5 0     |         |
| 355 Rubber products                             | 35      | 35   | 101   | 125   | 1 3      | 1 3   | 3 0   | 15 8   | 20 0      | 39 0    | 46 8    |         |
| 3551 Tyres and tubes                            | 10      | 11   | 9     | 10    | 0 3      | 0 4   | 0 3   | 4 6    | 6 0       | 4 0     | 4 6     |         |
| 3559 Other rubber products                      | 25      | 24   | 92    | 115   | 1 0      | 1 0   | 2 7   | 11 2   | 14 0      | 35 0    | 42 2    |         |
| 356 Plastic products                            | 44      | 43   | 189   | 142   | 1 3      | 1 5   | 3 2   | 15 0   | 26 0      | 51 0    | 56 6    |         |
| 361 Pottery, china, earthenware                 | 6       | 7    | 145   | 429   | 2 3      | 2 3   | 4 1   | 25 9   | 38 0      | 94 0    | 82 4    |         |
| 362 Glass and products                          | 36      | 32   | 15    | 22    | 2 0      | 1 8   | 1 3   | 29 4   | 41 0      | 22 0    | 48 1    |         |
| 369 Other non-metallic mineral products         | 16      | 21   | 571   | 522   | 2 8      | 2 9   | 16 3  | 53 6   | 79 0      | 172 0   | 255 3   |         |
| 3691 Structural clay products                   | 7       | 9    | 543   | 490   | 1 1      | 1 2   | 15 3  | 14 9   | 18 0      | 128 0   | 145 4   |         |
| 3692 Cement, lime and plaster                   | 7       | 7    | 24    | 28    | 1 3      | 1 4   | 0 7   | 32 5   | 49 0      | 23 0    | 90 7    |         |
| 3699 Other non-metallic mineral products        | 2       | 5    | 4     | 4     | 0 3      | 0 3   | 0 3   | 6 2    | 12 0      | 21 0    | 19 2    |         |
| 371 Iron and steel                              | 61      | 60   | 174   | 198   | 9 6      | 9 1   | 15 1  | 264 2  | 334 0     | 664 0   | 647 4   |         |
| 372 Non-ferrous metals                          | -       | 2    | -     | 3     | -        | 0 4   | -     | -      | 11 0      | -       | 1 0     |         |
| 381 Fabricated metal products                   | 317     | 332  | 1067  | 823   | 12 8     | 11 2  | 23 4  | 147 9  | 193 0     | 406 0   | 288 3   |         |
| 3811 Cutlery, hand tools and general hardware   | 13      | 9    | 64    | 38    | 1 0      | 0 5   | 1 1   | 12 4   | 7 0       | 15 0    | 9 9     |         |
| 3812 Furniture and fixtures primarily of metal  | 18      | 20   | 245   | 149   | 0 4      | 0 4   | 3 4   | 3 8    | 5 0       | 51 0    | 24 6    |         |
| 3813 Structural metal products                  | 43      | 9    | 130   | 78    | 1 5      | 0 5   | 2 7   | 7 3    | 10 0      | 71 0    | 18 1    |         |
| 3819 Other fabricated metal products            | 243     | 294  | 628   | 558   | 10 0     | 9 8   | 16 2  | 124 4  | 171 0     | 269 0   | 236 7   |         |
| 382 Non-electrical machinery                    | 140     | 125  | 125   | 123   | 6 5      | 6 5   | 6 8   | 100 6  | 146 6     | 189 0   | 95 2    |         |
| 3821 Engines and turbines                       | 2       | 2    | 1     | -     | 2 0      | 0 4   | 0 5   | 40 9   | 13 0      | 20 0    | -       |         |
| 3822 Agricultural machinery and equipment       | 9       | 9    | 11    | 8     | 0 4      | 1 9   | 0 1   | 4 3    | 62 0      | 2 0     | 20 1    |         |
| 3823 Metal and wood working machinery           | 7       | 1    | 13    | 30    | 0 2      | -     | 2 5   | 2 1    | 0 6       | 99 0    | 4 6     |         |
| 3824 Other special industrial machinery         | 88      | 29   | 29    | 21    | 2 6      | 1 0   | 1 0   | 32 9   | 14 0      | 23 0    | 27 6    |         |
| 3825 Office, computing and accounting machinery | -       | -    | -     | -     | -        | -     | -     | -      | -         | -       | -       |         |
| 3829 Other non-electrical machinery & equipment | 34      | 84   | 71    | 64    | 1 4      | 3 2   | 2 7   | 20 5   | 57 0      | 45 0    | 42 9    |         |
| 383 Electrical machinery                        | 73      | 82   | 403   | 396   | 6 6      | 8 2   | 14 5  | 118 0  | 237 0     | 346 0   | 446 2   |         |
| 3831 Electrical industrial machinery            | -       | 1    | 16    | 8     | -        | 0 1   | 0 4   | -      | 1 0       | 10 0    | 9 3     |         |
| 3832 Radio, television and communication equipm | 15      | 21   | 24    | 35    | 1 8      | 2 2   | 1 7   | 29 4   | 76 0      | 51 0    | 78 2    |         |
| 3833 Electrical appliances and housewares       | 9       | 12   | 13    | 22    | 1 2      | 1 5   | 1 6   | 20 4   | 44 0      | 49 0    | 54 2    |         |
| 3839 Other electrical apparatus and supplies    | 49      | 48   | 350   | 331   | 3 6      | 4 4   | 10 9  | 68 2   | 117 0     | 236 0   | 303 5   |         |
| 384 Transport equipment                         | 42      | 48   | 176   | 184   | 4 4      | 4 3   | 11 4  | 106 4  | 155 0     | 301 0   | 331 5   |         |
| 3841 Shipbuilding and repairing                 | 9       | 10   | 20    | 25    | 2 2      | 2 1   | 2 8   | 58 1   | 81 0      | 104 0   | 93 6    |         |
| 3842 Railroad equipment                         | -       | -    | -     | 4     | -        | -     | -     | -      | -         | -       | 86 1    |         |
| 3843 Motor vehicles                             | 9       | 9    | 107   | 114   | 1 2      | 1 1   | 2 8   | 28 5   | 49 0      | 86 0    | 109 0   |         |
| 3844 Motorcycles and bicycles                   | 24      | 29   | 39    | 41    | 1 0      | 1 1   | 1 3   | 18 8   | 26 0      | 29 0    | 42 8    |         |
| 3845 Aircraft                                   | -       | -    | -     | -     | -        | -     | -     | -      | -         | -       | -       |         |
| 3849 Other transport equipment                  | -       | -    | 10    | -     | -        | -     | 4 6   | -      | -         | 82 0    | -       |         |
| 385 Professional and scientific equipment       | 6       | 7    | 19    | 21    | 0 1      | 0 1   | 0 3   | 0 6    | 1 3       | 5 0     | 4 1     |         |
| 3851 Prof. and scientific equipment n.e.c.      | -       | 1    | 6     | 7     | -        | -     | 0 2   | -      | 0 3       | 4 0     | 2 6     |         |
| 3852 Photographic and optical goods             | 6       | 6    | 13    | 14    | 0 1      | 0 1   | 0 1   | 0 6    | 1 0       | 1 0     | 1 5     |         |
| 3853 Watches and clocks                         | -       | -    | -     | -     | -        | -     | -     | -      | -         | -       | -       |         |
| 390 Other manufacturing industries              | 91      | 93   | 238   | 306   | 2 7      | 2 8   | 5 9   | 30 6   | 39 0      | 94 0    | 84 0    |         |
| 3901 Jewellery and related articles             | -       | -    | 79    | 109   | -        | -     | 0 1   | -      | -         | -       | 2 3     |         |
| 3902 Musical instruments                        | -       | -    | 17    | 3     | -        | -     | 0 1   | -      | -         | 1 0     | 0 4     |         |
| 3903 Sporting and athletic goods                | -       | -    | 3     | -     | -        | -     | 0 2   | -      | -         | 3 0     | -       |         |
| 3909 Manufacturing industries, n.e.c.           | 91      | 93   | 139   | 194   | 2 7      | 2 8   | 5 6   | 30 6   | 39 0      | 90 0    | 81 3    |         |
| 3 Total manufacturing                           | b/ 3934 | 4793 | 23752 | 25068 | b/ 468 6 | 489 5 | 991 8 | 1028 0 | b/ 7215 9 | 11061 3 | 19336 0 | 23829 1 |

a/ Reporting establishments

b/ Including some repair services, see country note

Bangladesh

| ISIC Industry                                    | Output in producers' prices<br>(million Taka) |       |       |       | Value added in producers' prices<br>(million Taka) |       |       |       | Share of value added in output<br>(percentage) |      | Share of wages and salaries in value added<br>(percentage) |      |
|--|---|-------|-------|-------|--|-------|-------|-------|--|------|--|------|
|  | 1985  | 1988  | 1989  | 1990  | 1985   | 1988  | 1989  | 1990  | 1985   | 1990 | 1985   | 1990 |
| 311/2 Food Products                              | 8761  | 12959 | 38760 | 44276 | 2735   | 3571  | 10066 | 9150  | 31.2   | 20.7 | 22.9   | 26.8 |
| 311 Slaughtering, preparing & preserving meat    | 106   | 116   | 250   | 324   | 34   | 48    | 94    | 111   | 32.1   | 34.2 | 27.8   | 28.3 |
| 312 Dairy products                               | 0   | 12    | 35    | 100   | 0  | 18    | 44    | 44    | 76.0   | 44.0 | 44.1   | 18.9 |
| 313 Canning, preserving of fruits & vegetables   | 1699  | 2995  | 8032  | 7857  | 359  | 523   | 983   | 1476  | 21.1   | 19.3 | 13.4   | 8.7  |
| 314 Canning, preserving and processing of fish   | 1364  | 2303  | 7154  | 11191 | 137  | 1007  | 1007  | 1170  | 10.0   | 10.6 | 26.8   | 18.3 |
| 315 Vegetable and animal oils and fats           | 52  | 1377  | 12855 | 19244 | 125  | 226   | 1489  | 1384  | 48.1   | 11.6 | 68.0   | 26.9 |
| 316 Grain mill products                          | 516   | 988   | 1881  | 2895  | 162  | 189   | 308   | 811   | 29.5   | 30.1 | 31.9   | 29.1 |
| 317 Bakery products                              | 1661  | 3306  | 3306  | 5824  | 809  | 1487  | 1488  | 2816  | 49.7   | 55.9 | 39.4   | 44.3 |
| 318 Sugar factories and refineries               | 18  | 23    | 302   | 210   | 5  | 7     | 106   | 70    | 27.8   | 33.2 | 48.4   | 35.6 |
| 319 Cocoa, chocolate and sugar confectionery     | 3337  | 2205  | 7090  | 4271  | 1212   | 764   | 4471  | 1464  | 36.3   | 34.0 | 13.1   | 21.1 |
| 321 Other food products                          |   | 24    | 29    | 48    |  | 6     | 8     | 16    |  | 31.9 |  | 16.7 |
| 3122 Prepared animal feeds                       |   |       |       |       |  |       |       |       |  |      |  |      |
| 313 Beverages                                    | 283   | 217   | 601   | 282   | 169  | 128   | 447   | 130   | 59.7   | 46.1 | 6.4  | 18.0 |
| 3131 Distilling, rectifying and blending spirits | 194   | 79    | 430   | 52    | 141  | 49    | 366   | 28    | 72.7   | 63.1 | 3.2  | 20.9 |
| 3132 Wine industries                             |   |       |       |       |  |       |       |       |  |      |  |      |
| 3133 Malt liquors and malt                       |   |       |       |       |  |       |       |       |  |      |  |      |
| 3134 Soft drinks and carbonated waters           | 89  | 138   | 171   | 230   | 28   | 79    | 81    | 102   | 31.6   | 44.6 | 22.4   | 17.2 |
| 314 Tobacco                                      | 4197  | 4599  | 6163  | 8103  | 3042   | 3192  | 3329  | 6276  | 72.6   | 66.1 | 6.3  | 7.0  |
| 321 Textiles                                     | 20549   | 24476 | 41264 | 42075 | 8428   | 11020 | 16872 | 15162 | 31.3   | 36.0 | 64.4   | 85.4 |
| 3211 Spinning, weaving and finishing textiles    | 18532   | 23539 | 36795 | 38084 | 6791   | 10682 | 14528 | 14173 | 31.2   | 37.2 | 66.4   | 88.2 |
| 3212 Made-up textile goods excl. wearing apparel |   | 19    | 210   | 192   |  | 6     | 96    | 87    |  | 45.6 |  | 26.3 |
| 3213 Knitting mills                              | 294   | 325   | 2437  | 2115  | 37   | 59    | 375   | 336   | 12.6   | 15.8 | 30.8   | 40.4 |
| 3214 Carpets and rugs                            | 137   | 146   | 249   | 371   | 63   | 100   | 138   | 187   | 38.7   | 60.4 | 35.6   | 69.2 |
| 3215 Cordage, rope and twine                     | 15  | 16    | 443   | 443   | 2  | 3     | 94    | 78    | 13.3   | 17.6 | 62.7   | 44.0 |
| 3219 Other textiles                              | 1571  | 431   | 1076  | 871   | 646  | 170   | 639   | 303   | 34.7   | 34.8 | 48.7   | 42.6 |
| 322 Wearing apparel, except footwear             | 692   | 2194  | 17593 | 19455 | 214  | 566   | 4826  | 5463  | 30.9   | 28.0 | 43.4   | 36.6 |
| 323 Leather and fur products                     | 2584  | 4711  | 8539  | 9233  | 403  | 670   | 1318  | 1461  | 15.6   | 15.8 | 12.4   | 13.7 |
| 3231 Tanneries and leather finishing             | 2583  | 4709  | 8528  | 9233  | 403  | 669   | 1316  | 1394  | 16.8   | 16.4 | 12.4   | 13.6 |
| 3232 Fur dressing and dyeing industries          |   | 2     | 11    | 687   |  |       | 3     | 63    |  | 7.7  |  | 6.6  |
| 3233 Leather prods. excl. wearing apparel        | 1   |       |       | 33    |  |       |       | 14    |  | 43.0 |  | 62.4 |
| 324 Footwear, except rubber or plastic           | 525   | 883   | 1695  | 1553  | 270  | 480   | 845   | 743   | 61.4   | 47.8 | 13.4   | 27.1 |
| 331 Wood products, except furniture              | 562   | 650   | 1522  | 1540  | 267  | 276   | 458   | 476   | 47.6   | 30.8 | 13.8   | 43.6 |
| 3311 Sawmills, planing and other wood mills      | 8   | 60    | 1185  | 1121  | 3  | 22    | 313   | 288   | 37.6   | 26.7 | 49.2   | 37.3 |
| 3312 Wooden and cane containers                  |   | 18    | 175   | 195   |  | 7     | 98    | 90    |  | 46.2 |  | 31.3 |
| 3319 Other wood and cork products                | 554   | 572   | 162   | 225   | 264  | 247   | 87    | 97    | 47.7   | 43.1 | 13.4   | 61.2 |
| 332 Furniture and fixtures, excl. metal          | 151   | 173   | 152   | 386   | 48   | 70    | 63    | 205   | 31.8   | 63.1 | 61.9   | 33.6 |
| 341 Paper and products                           | 2184  | 2846  | 5388  | 5905  | 544  | 826   | 1696  | 1836  | 24.9   | 31.1 | 37.8   | 38.0 |
| 3411 Pulp, paper and paperboard articles         | 2033  | 2644  | 4286  | 5624  | 487  | 777   | 1196  | 1714  | 24.0   | 30.6 | 38.6   | 38.6 |
| 3412 Containers of paper and paperboard          |   |       |       |       |  |       |       |       |  |      |  |      |
| 3419 Other pulp, paper and paperboard articles   | 151   | 202   | 1102  | 282   | 57   | 79    | 501   | 121   | 37.7   | 42.8 | 30.6   | 31.6 |
| 342 Printing and publishing                      | 539   | 700   | 4583  | 1863  | 215  | 287   | 1332  | 798   | 39.9   | 47.8 | 52.0   | 45.8 |
| 351 Industrial chemicals                         | 3635  | 9104  | 16977 | 11062 | 1966   | 4176  | 9839  | 4626  | 63.8   | 41.8 | 9.8  | 12.6 |
| 3511 Basic chemicals excl. fertilizers           | 3194  | 5607  | 9766  | 7158  | 487  | 777   | 1196  | 1714  | 41.8   | 71.8 | 17.8   | 8.0  |
| 3512 Fertilizers and pesticides                  | 80  |       | 3     | 9475  | 32   |       | 1     | 3487  | 66.6   | 36.8 | 6.9  | 13.9 |
| 3513 Synthetic resins and plastic materials      |   |       |       |       |  |       |       |       | 40.0   | 28.7 | 23.0   | 60.0 |
| 352 Other chemicals                              | 5466  | 3515  | 5877  | 11512 | 2377   | 1498  | 2401  | 6724  | 43.6   | 49.7 | 24.3   | 23.2 |
| 3521 Paints, varnishes and lacquers              | 202   | 297   | 80    | 428   | 103  | 146   | 32    | 349   | 61.0   | 81.7 | 8.1  | 6.0  |
| 3522 Drugs and medicines                         | 2814  | 137   | 1601  | 6463  | 1380   | 70    | 1006  | 3636  | 49.0   | 56.1 | 23.0   | 22.2 |
| 3523 Soap, cleaning prepds., perfumes, cosmetics | 1833  | 2071  | 3192  | 3222  | 604  | 733   | 970   | 1131  | 33.0   | 36.1 | 19.6   | 23.9 |
| 3529 Other chemical products                     | 617   | 1064  | 1004  | 1380  | 290  | 649   | 444   | 609   | 47.0   | 44.2 | 46.4   | 37.4 |
| 353 Petroleum refineries                         | 7744  | 8292  | 500   | 480   | 2100   | 1806  | 347   | 316   | 77.1   | 64.4 | 2.0  | 34.4 |

Note

Note

|  | 158   | 294   | 90     | 154    | 55    | 171   | 35 4 | 12 9 | 70    | 8     | 183   | 39 5 | 26 5 | 0 7 | 25 3 |
|--|-------|-------|--------|--------|-------|-------|------|------|-------|-------|-------|------|------|-----|------|
| 354 Misc. Petroleum and coal products              |       |       |        |        |       |       |      |      |       |       |       |      |      |     |      |
| 355 Rubber products                                | 134   | 202   | 681    | 590    | 40    | 70    | 29 9 | 31 0 | 296   | 296   | 183   | 39 5 | 26 5 |     |      |
| 3551 Tyres and tubes                               | 40    | 44    | 43     | 41     | 14    | 13    | 35 0 | 36 7 | 16    | 16    | 33 0  | 31 7 | 33 0 |     |      |
| 3559 Other rubber products                         | 94    | 158   | 638    | 550    | 26    | 67    | 27 7 | 30 7 | 280   | 280   | 169   | 43 0 | 26 0 |     |      |
| 355 Plastic products                               | 209   | 487   | 512    | 1229   | 54    | 142   | 25 8 | 38 7 | 732   | 732   | 459   | 27 7 | 12 1 |     |      |
| 361 Pottery, china, earthenware                    | 159   | 356   | 685    | 696    | 106   | 166   | 66 7 | 51 6 | 307   | 307   | 359   | 24 4 | 22 9 |     |      |
| 362 Glass and products                             | 232   | 265   | 178    | 473    | 124   | 141   | 53 4 | 55 7 | 80    | 80    | 235   | 23 7 | 20 5 |     |      |
| 369 Other non-metallic mineral products            | 642   | 827   | 2163   | 2480   | 207   | 305   | 32 2 | 43 3 | 1154  | 1154  | 1074  | 25 9 | 23 8 |     |      |
| 3691 Structural clay products                      | 91    | 99    | 933    | 1059   | 39    | 49    | 42 9 | 51 6 | 546   | 546   | 444   | 21 8 | 26 4 |     |      |
| 3692 Cement, lime and plaster                      | 463   | 599   | 1081   | 1266   | 149   | 180   | 32 2 | 35 0 | 624   | 624   | 444   | 21 8 | 26 4 |     |      |
| 3699 Other non-metallic mineral products           | 88    | 129   | 149    | 155    | 19    | 77    | 21 6 | 53 8 | 50    | 50    | 83    | 32 8 | 23 0 |     |      |
| 371 Iron and steel                                 | 4316  | 3489  | 9063   | 9830   | 969   | 874   | 27 5 | 14 9 | 1459  | 1459  | 1459  | 27 3 | 37 3 |     |      |
| 372 Non-ferrous metals                             | 1239  | 159   |        | 11     |       | 55    |      | 24 8 | 3     |       |       |      |      |     |      |
| 381 Fabricated metal products                      | 1494  | 1694  | 3588   | 3057   | 375   | 469   | 30 3 | 25 0 | 972   | 972   | 765   | 19 3 | 37 7 |     |      |
| 3811 Cutlery, hand tools and general hardware      | 27    | 53    | 81     | 63     | 25    | 13    | 25 8 | 38 1 | 33    | 33    | 24    | 48 7 | 41 4 |     |      |
| 3812 Furniture and fixtures primarily of metal     | 22    | 26    | 336    | 172    | 7     | 9     | 31 8 | 40 8 | 46    | 46    | 70    | 58 7 | 35 0 |     |      |
| 3813 Structural metal products                     | 95    | 157   | 311    | 187    | 18    | 26    | 37 7 | 39 8 | 128   | 128   | 62    | 40 5 | 29 1 |     |      |
| 3819 Other fabricated metal products               | 1065  | 1355  | 2856   | 2856   | 325   | 421   | 30 6 | 22 8 | 715   | 715   | 608   | 38 2 | 38 7 |     |      |
| 382 Non-electrical machinery                       | 917   | 934   | 788    | 642    | 274   | 305   | 29 9 | 38 4 | 328   | 328   | 247   | 35 7 | 38 5 |     |      |
| 3821 Engines and turbines                          | 184   | 92    | 107    | 49     | 49    | 30    | 76 5 | 31 8 | 61    | 61    | 48    | 83 4 | 47 3 |     |      |
| 3822 Agricultural machinery and equipment          | 29    | 255   | 9      | 150    | 5     | 84    | 31 0 | 31 8 | 4     | 4     | 20    | 51 5 | 23 1 |     |      |
| 3823 Metal and wood working machinery              | 10    | 7     | 250    | 34     | 4     | 2     | 40 0 | 57 8 | 98    | 98    | 58    | 22 5 | 47 9 |     |      |
| 3824 Other special industrial machinery            | 451   | 150   | 103    | 111    | 146   | 38    | 32 4 | 51 7 | 43    | 43    | 5     |      |      |     |      |
| 3825 Office, computing and accounting machinery    |       |       |        |        |       |       |      |      |       |       |       |      |      |     |      |
| 3829 Other non-electrical machinery & equipment    | 243   | 430   | 319    | 347    | 65    | 151   | 27 2 | 35 0 | 122   | 122   | 122   | 31 1 | 35 3 |     |      |
| 383 Electrical machinery                           | 1542  | 2742  | 4894   | 6505   | 517   | 834   | 33 5 | 32 0 | 1717  | 1717  | 7080  | 22 8 | 21 4 |     |      |
| 3831 Electrical industrial machinery               |       | 10    | 114    | 92     | 4     | 4     | 25 4 | 44 5 | 57    | 57    | 35    | 25 1 | 10 2 |     |      |
| 3832 Radio, television and communication equipment | 461   | 884   | 773    | 1729   | 117   | 302   | 26 4 | 23 4 | 217   | 217   | 769   | 21 5 | 78 2 |     |      |
| 3833 Electrical appliances and housewares          | 189   | 362   | 486    | 296    | 95    | 163   | 60 3 | 23 4 | 223   | 223   | 69    | 22 4 | 25 2 |     |      |
| 3839 Other electrical apparatus and supplies       | 892   | 1486  | 3521   | 4387   | 305   | 365   | 34 2 | 27 5 | 1220  | 1220  | 1208  | 22 4 | 25 2 |     |      |
| 384 Transport equipment                            | 1062  | 1326  | 3011   | 4576   | 278   | 470   | 26 2 | 41 1 | 1067  | 1067  | 1922  | 37 9 | 17 2 |     |      |
| 3841 Shipbuilding and repairing                    | 238   | 204   | 511    | 1556   | 84    | 97    | 35 3 | 17 1 | 330   | 330   | 266   | 69 2 | 35 3 |     |      |
| 3842 Railroad equipment                            |       |       |        | 202    |       |       |      |      |       |       | 115   | 66 7 | 75 2 |     |      |
| 3843 Motor vehicles                                | 485   | 665   | 1387   | 1920   | 108   | 240   | 22 3 | 68 0 | 403   | 403   | 1305  | 26 4 | 8 4  |     |      |
| 3844 Motorcycles and bicycles                      | 339   | 457   | 571    | 998    | 85    | 83    | 25 4 | 23 8 | 106   | 106   | 738   | 21 5 | 18 0 |     |      |
| 3845 Aircraft                                      |       |       |        |        |       |       |      |      |       |       |       |      |      |     |      |
| 3849 Other transport equipment                     |       |       | 542    |        |       |       |      |      | 228   |       |       |      |      |     |      |
| 385 Professional and scientific equipment          | 3     | 8     | 51     | 40     | 1     | 3     | 33 3 | 27 1 | 11    | 11    | 61 9  | 38 0 |      |     |      |
| 3851 Prof. and scientific equipment n.e.c.         |       | 3     | 41     | 29     |       | 1     | 22 4 | 40 0 | 7     | 7     | 39 4  |      |      |     |      |
| 3852 Photographic and optical goods                | 3     | 5     | 10     | 11     | 1     | 2     | 33 3 | 40 0 | 4     | 4     | 61 9  | 36 7 |      |     |      |
| 3853 Watches and clocks                            |       |       |        |        |       |       |      |      |       |       |       |      |      |     |      |
| 390 Other manufacturing industries                 | 1432  | 1264  | 1100   | 2187   | 185   | 288   | 13 0 | 28 1 | 439   | 439   | 515   | 16 5 | 13 7 |     |      |
| 3901 Jewellery and related articles                |       |       | 6      | 8      | 3     | 3     | 91 0 | 32 4 | 7     | 7     | 32 4  |      |      |     |      |
| 3902 Musical instruments                           |       |       | 3      | 1      |       |       | 58 3 |      |       |       | 57 1  |      |      |     |      |
| 3903 Sporting and athletic goods                   |       |       | 99     |        |       | 67    |      |      | 67    |       |       |      |      |     |      |
| 3909 Manufacturing industries, n.e.c.              | 1432  | 1264  | 994    | 2178   | 185   | 288   | 13 0 | 27 9 | 368   | 368   | 507   | 16 5 | 13 4 |     |      |
| 3 Total manufacturing                              | 69917 | 89177 | 177588 | 190254 | 23956 | 32549 | 34 3 | 32 0 | 60653 | 60653 | 60804 | 30 1 | 39 2 |     |      |

a/ Including some repair services, see country note

Bangladesh

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |      | Note | Index numbers of industrial production a/ |      |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|------|------|---|------|------|------|------|------|------|------|------|
|   |      | (million TAKA)                |      |      |      |      | (1980=100)                                |      |      |      |      |      |      |      |      |
|   |      | 1985                          | 1988 | 1989 | 1990 |      | 1984                                      | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      | 235                           | 429  | 750  | 1023 |      | 100                                       | 106  | 132  | 140  | 135  | 181  | 188  | 176  | 170  |
| 313 Beverages                             |      | 15                            | 7    | 6    | 11   |      | 109                                       | 132  | 140  | 157  | 238  | 373  | 267  | 314  | 316  |
| 314 Tobacco                               |      | 57                            | 117  | 146  | 64   |      | 97  | 96   | 99   | 94   | 94   | 83   | 91   | 85   | 77   |
| 321 Textiles                              |      | 279                           | 507  | 1131 | 1509 |      | 88  | 77   | 89   | 88   | 87   | 91   | 80   | 80   | 82   |
| 322 Wearing apparel, except footwear      |      | 40                            | 22   | 94   | 129  |      |   |      |      |      |      |      |      |      |      |
| 323 Leather and fur products              |      | 63                            | 140  | 170  | 352  |      |   |      |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      | 18                            | 342  | 77   | 24   |      |   |      |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      | 17                            | 7    | 20   | 27   |      |   |      |      |      |      |      |      |      |      |
| 332 Furniture and fixtures, excl metal    |      | 3                             | 1    | 6    | 2    |      |   |      |      |      |      |      |      |      |      |
| 341 Paper and products                    |      | 644                           | 273  | 119  | 461  |      | 123                                       | 160  | 167  | 178  | 176  | 203  | 218  | 273  | 286  |
| 342 Printing and publishing               |      | 18                            | 36   | 226  | 40   |      |   |      |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      | 3713                          | 526  | 5355 | 2657 |      | 182                                       | 206  | 193  | 299  | 334  | 336  | 319  | 360  | 423  |
| 352 Other chemicals                       |      | 195                           | 269  | 184  | 478  | b/   | 128                                       | 132  | 102  | 98   | 113  | 108  | 120  | 146  | 178  |
| 353 Petroleum refineries                  |      | 15                            | 136  | 355  | 72   |      | 80  | 79   | 81   | 79   | 87   | 82   | 90   | 84   | 109  |
| 354 Misc petroleum and coal products      |      | -                             | 4    | -    | 2    |      |   |      |      |      |      |      |      |      |      |
| 355 Rubber products                       |      | 3                             | 1    | 4    | 7    |      | 136                                       | 144  | 153  | 149  | 112  | 115  | 91   | 68   | 76   |
| 356 Plastic products                      |      | 5                             | 9    | 9    | 22   |      |   |      |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      | 17                            | 12   | 45   | 25   |      |   |      |      |      |      |      |      |      |      |
| 362 Glass and products                    |      | 20                            | 18   | 121  | 155  |      | 149                                       | 148  | 221  | 313  | 158  | 192  | 147  | 276  | 289  |
| 369 Other non-metallic mineral products   |      | 7                             | 23   | 63   | 69   |      | 112                                       | 83   | 99   | 95   | 101  | 99   | 80   | 79   | 60   |
| 371 Iron and steel                        |      | 61                            | 45   | 181  | 2168 |      | 70  | 55   | 50   | 45   | 51   | 57   | 44   | 34   | 36   |
| 372 Non-ferrous metals                    |      | -                             | 1    | -    | -    |      |   |      |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      | 52                            | 27   | 146  | 28   |      |   |      |      |      |      |      |      |      |      |
| 382 Non-electrical machinery              |      | 21                            | 7    | 69   | 15   |      | 138                                       | 118  | 105  | 75   | 107  | 87   | 99   | 111  | 128  |
| 383 Electrical machinery                  |      | 21                            | 37   | 167  | 128  |      | 117                                       | 120  | 120  | 112  | 130  | 145  | 111  | 111  | 122  |
| 384 Transport equipment                   |      | 4                             | 5    | 25   | 28   |      | 121                                       | 125  | 76   | 81   | 62   | 99   | 90   | 92   | 85   |
| 385 Professional and scientific equipment |      | -                             | 43c/ | 53c/ | -    |      |   |      |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      | 4                             | c/   | c/   | 15   |      | 51  | 140  | 145  | 80   | 105  | 102  | 105  | 89   | 95   |
| 3 Total manufacturing                     | d/   | 5524                          | 3046 | 9522 | 9511 |      |   |      |      |      |      |      |      |      |      |

a/ Twelve months beginning 1 July of the year stated  
c/ 385 includes 390

b/ Matches only  
d/ Including some repair services, see country note.

## BARBADOS

**Supplier of information:**

Barbados Statistical Service, Bridgetown.

**Basic source of data:**

Annual survey of industrial establishments.

**Major deviations from current version of ISIC:**

Food products (ISIC 311/2) does not include sugar manufacturing.

**Reference period (if not calendar year):**

The period of reference is, in general, the calendar year. Where only data for a financial year are available for certain establishments, such data are incorporated for the calendar year in which the major part of the financial year falls.

**Scope:**

All establishments.

**Method of enumeration:**

Questionnaires distributed by mail with follow-up site visits as required.

**Adjusted for non-response:**

No.

**Concepts and definitions of variables:**

Number of employees is the average of employment in each of the four quarters.

Estimates of wages and salaries exceed value added in several industries. This is because one or more relatively important establishments within the industry have been highly subsidized.

Output is the value of gross receipts adjusted for inventory changes.

Value added represents output less the costs of goods and services purchased during the year and is net of non-industrial costs.

Gross fixed capital formation refers to the net increase in the value of fixed assets during the year. Expenditures for current repair and maintenance are not included.

**Related national publications:**

Statistical Bulletin; Survey of Industrial Establishments (occasional), both published by the Barbados Statistical Service, Bridgetown.

## Barbados

| ISIC Industry                             | Note | Number of establishments |      |        |        | Note | Number of employees |      |        |        | Note | Wages and salaries paid to employees |        |        |        |
|---|------|--------------------------|------|--------|--------|------|---------------------|------|--------|--------|------|--------------------------------------|--------|--------|--------|
|   |      | (numbers)                |      |        |        |      | (numbers)           |      |        |        |      | (thousand DOLLARS)                   |        |        |        |
|   |      | 1985                     | 1990 | 1991a/ | 1992a/ |      | 1985                | 1990 | 1991a/ | 1992a/ |      | 1985                                 | 1990   | 1991a/ | 1992a/ |
| 311/2 Food Products                       | b/   | 38                       | 27   | 19     | 17     | b/   | 1647                | 1596 | 1083   | 783    | b/   | 30032                                | 36001  | 27368  | 18489  |
| 313 Beverages                             | c/   | 12                       | 9    | 7      | 5      | c/   | 804                 | 557  | 413    | 217    | c/   | 16163                                | 17019  | 13902  | 10603  |
| 314 Tobacco                               | c/   |                          |      |        |        | c/   |                     |      |        |        | c/   |                                      |        |        |        |
| 321 Textiles                              | d/   | 12                       | 5    | 4      | 1      | d/   | 141                 | 116  | 65     | 6      | d/   | 1218                                 | 1189   | 827    | 110    |
| 322 Wearing apparel, except footwear      | d/   | 27                       | 14   | 9      | 5      | d/   | 1680                | 1103 | 1774   | 1151   | d/   | 14700                                | 10692  | 9114   | 6618   |
| 323 Leather and fur products              | d/   |                          |      |        |        | d/   |                     |      |        |        | d/   |                                      |        |        |        |
| 324 Footwear, except rubber or plastic    | d/   |                          |      |        |        | d/   |                     |      |        |        | d/   |                                      |        |        |        |
| 331 Wood products, except furniture       | e/   | 32                       | 18   | 12     | 7      | e/   | 419                 | 264  | 192    | 42     | e/   | 4849                                 | 3953   | 2996   | 743    |
| 332 Furniture and fixtures, excl metal    | e/   |                          |      |        |        | e/   |                     |      |        |        | e/   |                                      |        |        |        |
| 341 Paper and products                    | f/   | 23                       | 14   | 13     | 11     | f/   | 737                 | 636  | 676    | 294    | f/   | 16804                                | 14167  | 18379  | 13307  |
| 342 Printing and publishing               | f/   |                          |      |        |        | f/   |                     |      |        |        | f/   |                                      |        |        |        |
| 351 Industrial chemicals                  | g/   | 20                       | 14   | 10     | 7      | g/   | 437                 | 360  | 294    | 252    | g/   | 8513                                 | 10791  | 9909   | 8831   |
| 352 Other chemicals                       | g/   | 9                        | 5    | 2      | 5      | g/   | 153                 | 199  | 99     | 97     | g/   | 4023                                 | 5231   | 772    | 4062   |
| 353 Petroleum refineries                  | g/   |                          |      |        |        | g/   |                     |      |        |        | g/   |                                      |        |        |        |
| 354 Misc petroleum and coal products      | g/   |                          |      |        |        | g/   |                     |      |        |        | g/   |                                      |        |        |        |
| 355 Rubber products                       | g/   |                          |      |        |        | g/   |                     |      |        |        | g/   |                                      |        |        |        |
| 356 Plastic products                      | g/   |                          |      |        |        | g/   |                     |      |        |        | g/   |                                      |        |        |        |
| 361 Pottery, china, earthenware           | h/   |                          |      |        |        | h/   |                     |      |        |        | h/   |                                      |        |        |        |
| 362 Glass and products                    | h/   | 15                       | 10   | 8      | 6      | h/   | 612                 | 331  | 386    | 140    | h/   | 13270                                | 7582   | 10679  | 2626   |
| 369 Other non-metallic mineral products   | h/   |                          |      |        |        | h/   |                     |      |        |        | h/   |                                      |        |        |        |
| 371 Iron and steel                        |      |                          |      |        |        |      |                     |      |        |        |      |                                      |        |        |        |
| 372 Non-ferrous metals                    |      |                          |      |        |        |      |                     |      |        |        |      |                                      |        |        |        |
| 381 Fabricated metal products             |      | 21                       | 11   | 11     | 7      |      | 637                 | 551  | 590    | 222    |      | 8142                                 | 11772  | 12120  | 6166   |
| 382 Non-electrical machinery              | i/   | 8                        | 6    | 2      | 2      | i/   | 1303                | 737  | 41     | 40     | i/   | 19060                                | 7606   | 1078   | 908    |
| 383 Electrical machinery                  | i/   |                          |      |        |        | i/   |                     |      |        |        | i/   |                                      |        |        |        |
| 384 Transport equipment                   | j/   | 11                       | 4    | 2      | 2      | j/   | 261                 | 105  | 75     | 158    | j/   | 2999                                 | 1362   | 1178   | 1332   |
| 385 Professional and scientific equipment | j/   |                          |      |        |        | j/   |                     |      |        |        | j/   |                                      |        |        |        |
| 390 Other manufacturing industries        |      | 9                        | 5    | 3      | 4      |      | 147                 | 146  | 44     | 30     |      | 1578                                 | 1530   | 307    | 558    |
| 3 Total manufacturing                     | b/   | 237                      | 142  | 102    | 79     | b/   | 8973                | 6704 | 5732   | 3432   | b/   | 140341                               | 128696 | 108528 | 73232  |

a/ Data are provisional  
 c/ 313 includes 314  
 e/ 331 includes 332  
 g/ 351 includes 353, 355 and 356  
 i/ 382 includes 383

b/ Excluding sugar factories and refineries  
 d/ 321 includes 323 and 324  
 f/ 341 includes 342  
 h/ 362 includes 369  
 j/ 384 includes 385



## Barbados

| ISIC Industry                             | Note | Output in producers' prices |        |        |        | Note | Value added in producers' prices |        |        |        | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-----------------------------|--------|--------|--------|------|----------------------------------|--------|--------|--------|--------------------------------|------|--|------|
|   |      | (thousand DOLLARS)          |        |        |        |      | (thousand DOLLARS)               |        |        |        | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                        | 1990   | 1991a/ | 1992a/ |      | 1985                             | 1990   | 1991a/ | 1992a/ | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       | b/   | 203854                      | 252484 | 142408 | 92146  | b/   | 49299                            | 59868  | 35259  | 28391  | 24.2                           | 30.8 | 60.9                                       | 66.1 |
| 313 Beverages                             | c/   | 92882                       | 89076  | 74961  | 61749  | c/   | 27046                            | 22320  | 19167  | 16208  | 29.1                           | 24.6 | 69.8                                       | 69.1 |
| 314 Tobacco                               | c/   | -                           | -      | -      | -      | c/   | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 321 Textiles                              | d/   | 3069                        | 3653   | 2824   | 381    | d/   | 765                              | 1186   | 998    | 132    | 24.9                           | 34.6 | -  | 83.3 |
| 322 Wearing apparel, except footwear      | d/   | 40837                       | 21198  | 21636  | 14122  | d/   | 15038                            | 10762  | 9077   | 7216   | 36.8                           | 51.1 | 97.8                                       | 91.7 |
| 323 Leather and fur products              | d/   | -                           | -      | -      | -      | d/   | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 324 Footwear, except rubber or plastic    | d/   | -                           | -      | -      | -      | d/   | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 331 Wood products, except furniture       | e/   | 13982                       | 13691  | 8815   | 2698   | e/   | 3638                             | 4673   | 2537   | 857    | 26.3                           | 31.8 | -  | 86.7 |
| 332 Furniture and fixtures, excl metal    | e/   | -                           | -      | -      | -      | e/   | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 341 Paper and products                    | f/   | 51330                       | 56612  | 60500  | 42092  | f/   | 17855                            | 21383  | 23093  | 16333  | 34.8                           | 36.4 | 88.6                                       | 86.8 |
| 342 Printing and publishing               | f/   | -                           | -      | -      | -      | f/   | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 351 Industrial chemicals                  | g/   | 166115                      | 208453 | 208751 | 202759 | g/   | 11997                            | 18628  | 17446  | 15784  | 7.2                            | 7.8  | 71.0                                       | 55.9 |
| 352 Other chemicals                       | g/   | 26242                       | 35564  | 3432   | 19602  | g/   | 6716                             | 8273   | 1219   | 4148   | 21.8                           | 21.2 | 70.4                                       | 97.7 |
| 353 Petroleum refineries                  | g/   | -                           | -      | -      | -      | g/   | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 354 Misc petroleum and coal products      | g/   | -                           | -      | -      | -      | g/   | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 355 Rubber products                       | g/   | -                           | -      | -      | -      | g/   | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 356 Plastic products                      | g/   | -                           | -      | -      | -      | g/   | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 361 Pottery, china, earthenware           | h/   | -                           | -      | -      | -      | h/   | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 362 Glass and products                    | h/   | 50085                       | 32862  | 49245  | 16295  | h/   | -6480                            | 11434  | 11631  | 4599   | -                              | 30.1 | -  | 67.1 |
| 369 Other non-metallic mineral products   | h/   | -                           | -      | -      | -      | h/   | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 371 Iron and steel                        | -    | -                           | -      | -      | -      | -    | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 372 Non-ferrous metals                    | -    | -                           | -      | -      | -      | -    | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 381 Fabricated metal products             | i/   | 43153                       | 75030  | 78380  | 20502  | i/   | 10532                            | 20541  | 19530  | 5491   | 24.4                           | 26.8 | 77.3                                       | 93.9 |
| 382 Non-electrical machinery              | i/   | 59314                       | 32173  | 5806   | 6334   | i/   | 39100                            | 7781   | 1430   | 1672   | 65.9                           | 24.8 | 48.7                                       | 57.8 |
| 383 Electrical machinery                  | i/   | -                           | -      | -      | -      | i/   | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 384 Transport equipment                   | j/   | 10413                       | 4210   | 4028   | 3148   | j/   | 4207                             | 1850   | 1701   | 1831   | 40.4                           | 58.2 | 71.3                                       | 72.7 |
| 385 Professional and scientific equipment | j/   | -                           | -      | -      | -      | j/   | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 390 Other manufacturing industries        | -    | 8692                        | 3311   | 1834   | 1581   | -    | 1566                             | 926    | 587    | 471    | 18.0                           | 29.8 | -  | -    |
| 3 Total manufacturing                     | b/   | 769968                      | 828307 | 662620 | 482409 | b/   | 180178                           | 189625 | 145375 | 101033 | 23.4                           | 20.9 | 77.9                                       | 72.5 |

a/ Data are provisional  
c/ 313 includes 314  
e/ 331 includes 332  
g/ 351 includes 353, 355 and 356  
i/ 382 includes 383

b/ Excluding sugar factories and refineries.  
d/ 321 includes 323 and 324.  
f/ 341 includes 342  
h/ 362 includes 369.  
j/ 384 includes 385

Barbados

Gross fixed capital formation

(thousand DOLLARS)

| ISIC Industry                             | Note | 1985  | 1990  | 1991a/ | 1992a/ |
|---|------|-------|-------|--------|--------|
| 311/2 Food Products                       | b/   | 6187  | 9230  | 11947  | 4060   |
| 313 Beverages                             | c/   | 2233  | 6603  | 6962   | 4155   |
| 314 Tobacco                               | c/   |       |       |        |        |
| 321 Textiles                              | d/   | 340   | 124   | 153    | 1      |
| 322 Wearing apparel, except footwear      |      | 563   | 338   | 468    | 67     |
| 323 Leather and fur products              | d/   |       |       |        |        |
| 324 Footwear, except rubber or plastic    | d/   |       |       |        |        |
| 331 Wood products, except furniture       | e/   | 530   | 1176  | 161    | 4      |
| 332 Furniture and fixtures, excl. metal   | e/   |       |       |        |        |
| 341 Paper and products                    | f/   | 2705  | 3020  | 2346   | 792    |
| 342 Printing and publishing               | f/   |       |       |        |        |
| 351 Industrial chemicals                  | g/   | 5417  | 7240  | 8926   | 2276   |
| 352 Other chemicals                       |      | 497   | 876   | 81     | 41     |
| 353 Petroleum refineries                  | g/   |       |       |        |        |
| 354 Misc. petroleum and coal products     |      |       |       |        |        |
| 355 Rubber products                       | g/   |       |       |        |        |
| 356 Plastic products                      | g/   |       |       |        |        |
| 361 Pottery, china, earthenware           |      |       |       |        |        |
| 362 Glass and products                    | j/   | 1485  | 2565  | 1456   | 1061   |
| 369 Other non-metallic mineral products   | j/   |       |       |        |        |
| 371 Iron and steel                        |      |       |       |        |        |
| 372 Non-ferrous metals                    |      |       |       |        |        |
| 381 Fabricated metal products             |      | 2541  | 2655  | 3097   | 45     |
| 382 Non-electrical machinery              | k/   | 83    | 372   | 122    | 68     |
| 383 Electrical machinery                  | k/   |       |       |        |        |
| 384 Transport equipment                   | m/   | 215   | 290   | 55     | 18     |
| 385 Professional and scientific equipment | m/   |       |       |        |        |
| 390 Other manufacturing industries        |      | 1880  | 386   | 134    | 81     |
| 3 Total manufacturing                     | b/   | 24676 | 34877 | 35908  | 12669  |

a/ Data are provisional  
 c/ 313 includes 314  
 e/ 331 includes 332  
 g/ 351 includes 353, 355 and 356  
 i/ 361 includes 362 and 369  
 k/ 382 includes 383

Index numbers of industrial production

(1980=100)

|  | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
|--|------|------|------|------|------|------|------|------|------|
|  | 88   | 89   | 97   | 102  | 96   | 95   | 102  | 110  | 106  |
|  | 81   | 81   | 81   | 88   | 90   | 93   | 107  | 109  | 106  |
|  |      |      |      |      |      |      |      |      |      |
|  | 114  | 96   | 77   | 90   | 93   | 72   | 60   | 48   | 31   |
|  |      |      |      |      |      |      |      |      |      |
|  | 93   | 82   | 88   | 96   | 120  | 161  | 169  | 107  | 81   |
|  |      |      |      |      |      |      |      |      |      |
|  | 74   | 66   | 75   | 63   | 80   | 96   | 94   | 90   | 71   |
|  | 102  | 106  | 119  | 118  | 125  | 132  | 142  | 135  | 116  |
|  |      |      |      |      |      |      |      |      |      |
|  | 74   | 83   | 108  | 124  | 134  | 144  | 128  | 123  | 86   |
|  |      |      |      |      |      |      |      |      |      |
|  | 204  | 163  | 197  | 65   | 67   | 74   | 81   | 72   | 104  |
|  |      |      |      |      |      |      |      |      |      |
|  | 78   | 71   | 86   | 91   | 103  | 115  | 122  | 123  | 112  |

b/ Excluding sugar factories and refineries  
 d/ 321 includes 323 and 324  
 f/ 341 includes 342  
 h/ 351 includes 352  
 j/ 362 includes 369  
 m/ 384 includes 385

## BELGIUM

**Supplier of information:**

Office national de sécurité sociale (ONSS), Ministère de l'emploi et du travail, Brussels.  
Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

**Basic source of data:**

Not reported.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

Not reported.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Wages and salaries paid to employees: does not include employers' social security contributions.

**Related national publications:**

## Belgium

| ISIC Industry                             | Note | Number of establishments<br>(numbers) |       |       |       | Note | Number of employees<br>(thousands) |      |      |      | Note | Wages and salaries paid<br>to employees<br>(million FRANCS) |        |        |        |
|---|------|---------------------------------------|-------|-------|-------|------|------------------------------------|------|------|------|------|---|--------|--------|--------|
|   |      | 1985                                  | 1990  | 1991  | 1992  |      | 1985                               | 1990 | 1991 | 1992 |      | 1985  | 1990   | 1991   | 1992   |
| 311/2 Food Products                       |      | 6754                                  | 6997  | 6961  | 6860  |      | 74                                 | 76   | 76   | 75   |      | 39493   | 48558  | 52172  | 54399  |
| 313 Beverages                             |      | 282                                   | 212   | 217   | 197   |      | 15                                 | 13   | 13   | 12   |      | 9640  | 10537  | 11107  | 11324  |
| 314 Tobacco                               |      | 61                                    | 55    | 55    | 55    |      | 6                                  | 5    | 5    | 4    |      | 3687  | 3834   | 3768   | 3898   |
| 321 Textiles                              |      | 1270                                  | 1211  | 1172  | 1141  |      | 61                                 | 54   | 52   | 49   |      | 27002   | 29067  | 29433  | 28788  |
| 322 Wearing apparel, except footwear      |      | 2049                                  | 2032  | 1991  | 1915  |      | 40                                 | 36   | 34   | 33   |      | 13886   | 14475  | 14460  | 14700  |
| 323 Leather and fur products              |      | 173                                   | 139   | 128   | 126   |      | 3                                  | 2    | 2    | 3    |      | 1339  | 1170   | 1162   | 1502   |
| 324 Footwear, except rubber or plastic    |      | 124                                   | 98    | 92    | 91    |      | 2                                  | 2    | 2    | 1    |      | 946   | 741    | 715    | 696    |
| 331 Wood products, except furniture       | a/   | 2215                                  | 2520  | 2542  | 2550  |      | 12                                 | 13   | 13   | 13   | a/   | 16267   | 19323  | 20636  | 21235  |
| 332 Furniture and fixtures, excl. metal   | a/   |                                       |       |       |       |      | 21                                 | 20   | 21   | 21   | a/   |   |        |        |        |
| 341 Paper and products                    |      | 323                                   | 308   | 307   | 292   |      | 18                                 | 18   | 18   | 17   |      | 11493   | 14229  | 15252  | 15373  |
| 342 Printing and publishing               |      | 2136                                  | 2557  | 2654  | 2632  |      | 32                                 | 35   | 34   | 34   |      | 21577   | 28306  | 29277  | 29804  |
| 351 Industrial chemicals                  | b/   | 709                                   | 807   | 784   | 780   | c/   | 73                                 | 79   | 78   | 78   | b/   | 61973   | 81728  | 86496  | 91431  |
| 352 Other chemicals                       | b/   |                                       |       |       |       | c/   |                                    |      |      |      | b/   |   |        |        |        |
| 353 Petroleum refineries                  |      | 31                                    | 21    | 21    | 21    | c/   |                                    |      |      |      |      | 4657  | 4157   | 4546   | 4743   |
| 354 Misc. petroleum and coal products     |      | 6                                     | 4     | 4     | 4     | c/   |                                    |      |      |      |      | 795   | 946    | 925    | 788    |
| 355 Rubber products                       |      | 103                                   | 98    | 100   | 103   |      | 6                                  | 5    | 5    | 5    |      | 3953  | 3947   | 4055   | 4179   |
| 356 Plastic products                      |      | 447                                   | 567   | 573   | 582   |      | 15                                 | 19   | 19   | 19   |      | 9182  | 14083  | 15220  | 16151  |
| 361 Pottery, china, earthenware           | d/   |                                       |       |       |       |      | 4                                  | 3    | 3    | 3    | d/   |   |        |        |        |
| 362 Glass and products                    |      | 136                                   | 144   | 144   | 149   |      | 13                                 | 13   | 13   | 13   |      | 8586  | 10155  | 10462  | 10966  |
| 369 Other non-metallic mineral products   | d/   | 1231                                  | 1254  | 1236  | 1236  |      | 20                                 | 20   | 20   | 20   | d/   | 13480   | 16797  | 17497  | 18242  |
| 371 Iron and steel                        | e/   | 147                                   | 153   | 159   | 154   |      | 51                                 | 40   | 39   | 37   | e/   | 50389   | 48736  | 49636  | 48893  |
| 372 Non-ferrous metals                    | e/   |                                       |       |       |       |      | 13                                 | 12   | 12   | 10   | e/   |   |        |        |        |
| 381 Fabricated metal products             |      | 3104                                  | 3651  | 3714  | 3785  | f/   | 261                                | 260  | 255  | 248  |      | 41727   | 48830  | 51953  | 52692  |
| 382 Non-electrical machinery              |      | 831                                   | 882   | 898   | 891   | f/   |                                    |      |      |      |      | 31880   | 38231  | 37911  | 37017  |
| 383 Electrical machinery                  |      | 721                                   | 936   | 936   | 971   | f/   |                                    |      |      |      |      | 51058   | 52015  | 52617  | 51364  |
| 384 Transport equipment                   |      | 494                                   | 531   | 537   | 549   | f/   |                                    |      |      |      |      | 45977   | 60925  | 60851  | 63492  |
| 385 Professional and scientific equipment |      | 465                                   | 484   | 476   | 486   | f/   |                                    |      |      |      |      | 2745  | 3554   | 3829   | 4639   |
| 390 Other manufacturing industries        |      | 1010                                  | 986   | 951   | 895   |      | 12                                 | 10   | 9    | 9    |      | 4262  | 4950   | 4854   | 4796   |
| 3 Total manufacturing                     |      | 24822                                 | 26647 | 26653 | 26465 |      | 752                                | 734  | 722  | 704  |      | 476984  | 559294 | 578744 | 591112 |

a/ 331 includes 332  
c/ 351 includes 352, 353 and 354  
e/ 371 includes 372

b/ 351 includes 352  
d/ 369 includes 361  
f/ 381 includes 382, 383, 384 and 385

## Belgium

| ISIC Industry                             | Note | Output in producers' prices<br>(million FRANCS) |         |         |         | Note | Value added in factor values<br>(million FRANCS) |         |         |         | Share of value added in output<br>(percentage) |      | Share of wages and salaries in value added<br>(percentage) |      |  |  |           |
|---|------|---|---------|---------|---------|------|--|---------|---------|---------|--|------|--|------|--|--|-----------|
|   |      | 1985  | 1990    | 1991    | 1992    |      | 1985   | 1990    | 1991    | 1992    | 1985   | 1992 | 1985   | 1992 |  |  |           |
| 311/2 Food Products                       |      |   |         |         |         |      |  |         |         |         |  |      |  |      |  |  |           |
| 313 Beverages                             |      | 82600   | 94133   | 97617   | 102270  |      | 169974   | 197672  | 205022  | 205850  |  |      |  |      |  |  | 23 2 26 4 |
| 314 Tobacco                               |      | 54118   | 56294   | 61344   | 63088   |      | 21325  | 23399   | 24191   | 25560   | 25 8   | 25 1 |  |      |  |  | 45 2 44 1 |
| 321 Textiles                              |      | 206965  | 240139  | 218506  | 227650  |      | 7311   | 10359   | 11289   | 11610   | 13 5   | 18 4 |  |      |  |  | 50 2 33 6 |
| 322 Wearing apparel, except footwear      |      | 63283   | 89994   | 97907   | 101131  |      | 55660  | 68991   | 62995   | 65625   | 26 9   | 28 8 |  |      |  |  | 48 5 43 9 |
| 323 Leather and fur products              |      |   |         |         |         | a/   | 23273  | 30547   | 33231   | 34326   | 36 8   | 33 9 |  |      |  |  | 59 7 42 3 |
| 324 Footwear, except rubber or plastic    |      | 5622  | 5007    | 4547    | 4705    |      | 2064   | 1859    | 1688    | 1747    | 36 7   | 37 1 |  |      |  |  | 45 8 39 8 |
| 331 Wood products, except furniture       |      | 30683   | 39945   | 42340   | 39982   |      | 7789   | 16817   | 17786   | 16763   | 25 4   | 41 9 |  |      |  |  |           |
| 332 Furniture and fixtures, excl metal    |      | 112216  | 165524  | 181086  | 174201  |      | 36461  | 53910   | 58980   | 56748   | 32 5   | 32 6 |  |      |  |  |           |
| 341 Paper and products                    |      | 97562   | 132822  | 128065  | 130290  |      | 26195  | 34525   | 33556   | 34088   | 26 8   | 26 2 |  |      |  |  | 43 9 45 1 |
| 342 Printing and publishing               |      | 86522   | 134615  | 135990  | 139491  |      | 35721  | 56041   | 56613   | 58072   | 41 3   | 41 6 |  |      |  |  | 60 4 51 3 |
| 351 Industrial chemicals                  |      | 461654  | 453859  | 452406  | 491404  |      | 133603   | 149810  | 149330  | 155917  | 28 9   | 31 7 |  |      |  |  |           |
| 352 Other chemicals                       |      | 82155   | 110914  | 114645  | 121940  |      | 27748  | 40050   | 41055   | 43675   | 33 8   | 35 8 |  |      |  |  |           |
| 353 Petroleum refineries                  | b/   | 306109  | 197848  | 214511  | 186214  | b/   | 14706  | 15820   | 15960   | 14267   | 4 8  | 7 7  |  |      |  |  |           |
| 354 Misc petroleum and coal products      | b/   |   |         |         |         | b/   |  |         |         |         |  |      |  |      |  |  |           |
| 355 Rubber products                       |      | 21575   | 25133   | 24519   | 28090   |      | 7707   | 9090    | 8869    | 10161   | 35 7   | 36 2 |  |      |  |  | 51 3 41 1 |
| 356 Plastic products                      |      |   |         |         |         | a/   |  |         |         |         |  |      |  |      |  |  |           |
| 361 Pottery, china, earthenware           | c/   | 93974   | 142675  | 137028  | 153644  | c/   | 39065  | 59565   | 56788   | 63682   | 41 6   | 41 4 |  |      |  |  |           |
| 362 Glass and products                    | c/   |   |         |         |         | c/   |  |         |         |         |  |      |  |      |  |  |           |
| 369 Other non-metallic mineral products   | c/   |   |         |         |         | c/   |  |         |         |         |  |      |  |      |  |  |           |
| 371 Iron and steel                        |      | 220778  | 239642  | 210502  | 187263  |      | 58489  | 77013   | 60304   | 67184   | 26 5   | 35 9 |  |      |  |  |           |
| 372 Non-ferrous metals                    |      | 127602  | 160652  | 115596  | 110511  |      | 24754  | 38103   | 27426   | 26497   | 19 4   | 24 0 |  |      |  |  |           |
| 381 Fabricated metal products             | d/   | 987428  | 1400509 | 1369077 | 1374019 | d/   | 330032   | 445798  | 419173  | 408436  | 33 4   | 29 7 |  |      |  |  |           |
| 382 Non-electrical machinery              | d/   |   |         |         |         | d/   |  |         |         |         |  |      |  |      |  |  |           |
| 383 Electrical machinery                  | d/   |   |         |         |         | d/   |  |         |         |         |  |      |  |      |  |  |           |
| 384 Transport equipment                   | d/   |   |         |         |         | d/   |  |         |         |         |  |      |  |      |  |  |           |
| 385 Professional and scientific equipment | d/   |   |         |         |         | d/   |  |         |         |         |  |      |  |      |  |  |           |
| 390 Other manufacturing industries        |      |   |         |         |         | a/   | 60537  | 90047   | 98758   | 104066  |  |      |  |      |  |  |           |
| 3 Total manufacturing                     |      |   |         |         |         |      | 1082414  | 1419716 | 1383014 | 1404373 |  |      |  |      |  |  | 44 0 42 1 |

a/ 390 includes 323 and 356  
c/ 361 includes 362 and 369

b/ 353 includes 354  
d/ 381 includes 382, 383, 384 and 385

## Belgium

| ISIC Industry                             | Note | Gross fixed capital formation |        |        |        | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |
|---|------|-------------------------------|--------|--------|--------|------|--|------|------|------|------|------|------|------|------|
|   |      | (million FRANCS)              |        |        |        |      | (1980=100)                             |      |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990   | 1991   | 1992   |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      | 15375                         | 29132  | 29213  | 31811  |      | 117                                    | 121  | 125  | 129  | 133  | 142  | 147  | 152  | 150  |
| 313 Beverages                             |      | 3636                          | 11100  | 11213  | 12176  |      | 104                                    | 101  | 101  | 102  | 101  | 98   | 104  | 99   | 102  |
| 314 Tobacco                               |      | 854                           | 1526   | 1541   | 1674   |      | 103                                    | 104  | 98   | 95   | 94   | 94   | 90   | 95   | 88   |
| 321 Textiles                              |      | 11509                         | 17240  | 15366  | 17424  |      | 104                                    | 104  | 105  | 105  | 106  | 107  | 105  | 95   | 91   |
| 322 Wearing apparel, except footwear      |      | 1623                          | 2836   | 4474   | 3100   |      | 94                                     | 93   | 97   | 90   | 85   | 111  | 112  | 119  | 121  |
| 323 Leather and fur products              |      | 4                             | 12     | 19     | 14     |      | 124                                    | 118  | 96   | 82   | 78   | 80   | 77   | 66   | 63   |
| 324 Footwear, except rubber or plastic    |      | -161                          | 94     | 144    | 102    |      | 94                                     | 86   | 80   | 69   | 66   | 66   | 69   | 53   | 51   |
| 331 Wood products, except furniture       |      | 905                           | 2558   | 2288   | 1969   | a/   | 95                                     | 95   | 100  | 110  | 114  | 129  | 129  | 138  | 179  |
| 332 Furniture and fixtures, excl metal    |      | 3038                          | 9417   | 8361   | 7171   | a/   |  |      |      |      |      |      |      |      |      |
| 341 Paper and products                    |      | 4612                          | 11644  | 13875  | 11282  |      | 111                                    | 113  | 115  | 126  | 138  | 140  | 147  | 143  | 149  |
| 342 Printing and publishing               |      | 6697                          | 17793  | 16963  | 14632  |      |  |      |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      | 19187                         | 87339  | 69317  | 56686  | b/   | 115                                    | 119  | 123  | 124  | 131  | 131  | 139  | 139  | 155  |
| 352 Other chemicals                       | c/   | 9313                          | 32109  | 27889  | 22148  | b/   |  |      |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  | d/   | 2445                          | 6812   | 5401   | 4414   | d/   | 71                                     | 66   | 81   | 83   | 90   | 91   | 80   | 81   | 69   |
| 354 Misc petroleum and coal products      | d/   |                               |        |        |        | d/   |  |      |      |      |      |      |      |      |      |
| 355 Rubber products                       |      | 1372                          | 3414   | 2708   | 2212   |      | 90                                     | 94   | 87   | 80   | 97   | 102  | 106  | 101  | 109  |
| 356 Plastic products                      | c/   |                               |        |        |        |      | 124                                    | 135  | 142  | 161  | 180  | 203  | 213  | 276  | 243  |
| 361 Pottery, china, earthenware           | e/   | 7569                          | 11001  | 11164  | 8662   |      | 85                                     | 79   | 89   | 97   | 97   | 122  | 111  | 125  | 101  |
| 362 Glass and products                    | e/   |                               |        |        |        |      | 91                                     | 72   | 71   | 79   | 89   | 94   | 93   | 78   | 88   |
| 369 Other non-metallic mineral products   | e/   |                               |        |        |        |      | 76                                     | 74   | 77   | 76   | 89   | 108  | 88   | 80   | 79   |
| 371 Iron and steel                        |      | 12681                         | 15677  | 18795  | 14209  |      | 92                                     | 89   | 82   | 83   | 95   | 100  | 93   | 93   | 82   |
| 372 Non-ferrous metals                    |      | 4270                          | 3465   | 4165   | 3142   |      | 96                                     | 100  | 98   | 101  | 111  | 118  | 122  | 112  | 109  |
| 381 Fabricated metal products             | f/   | 47747                         | 78155  | 92524  | 101172 |      | 97                                     | 99   | 95   | 97   | 104  | 116  | 126  | 127  | 122  |
| 382 Non-electrical machinery              | f/   |                               |        |        |        |      | 101                                    | 109  | 104  | 106  | 108  | 109  | 112  | 107  | 98   |
| 383 Electrical machinery                  | f/   |                               |        |        |        |      | 93                                     | 94   | 97   | 96   | 97   | 107  | 106  | 104  | 97   |
| 384 Transport equipment                   | f/   |                               |        |        |        |      | 113                                    | 120  | 129  | 128  | 152  | 133  | 154  | 155  | 153  |
| 385 Professional and scientific equipment | f/   |                               |        |        |        |      | 121                                    | 122  | 110  | 92   | 91   | 76   | 91   | 96   | 97   |
| 390 Other manufacturing industries        |      | 3527                          | 2265   | 2126   | 2235   |      |  |      |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      | 156203                        | 343589 | 337337 | 316235 |      | 104                                    | 106  | 107  | 110  | 116  | 121  | 125  | 125  | 173  |

a/ 331 includes 332  
c/ 352 includes 356  
e/ 361 includes 362 and 369

b/ 351 includes 352  
d/ 353 includes 354  
f/ 381 includes 382, 383, 384 and 385

## BELIZE

**Supplier of information:**

Central Statistical Office, Ministry of Finance, Belmopan.

**Basic source of data:**

Annual establishment survey.

**Major deviations from current version of ISIC:**

Carpentry (part of ISIC major division 5) is included in wood products (ISIC 331).

**Reference period (if not calendar year):****Scope:**

All establishments.

**Method of enumeration:**

Questionnaires distributed by mail.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

No deviations from the standard UN concepts and definitions are reported.

**Related national publications:**

## Belize

| ISIC Industry                             | Note | Number of establishments<br>(numbers) |      |      |      | Note | Number of employees<br>(numbers) |      |        |        | Note | Wages and salaries paid<br>to employees<br>(thousand DOLLARS) |        |        |        |
|---|------|---------------------------------------|------|------|------|------|----------------------------------|------|--------|--------|------|---|--------|--------|--------|
|   |      | 1985                                  | 1990 | 1991 | 1992 |      | 1985                             | 1990 | 1991   | 1992   |      | 1985  | 1990   | 1991   | 1992   |
| 311/2 Food Products                       |      |                                       | 77   | 78   | 82   |      |                                  |      | 2486   | 2700   |      |   | 18438  | 22681  | 25111  |
| 313 Beverages                             |      |                                       | 17   | 17   | 17   |      |                                  |      | 428    | 436    |      |   | 4277   | 6126   | 6204   |
| 314 Tobacco                               |      |                                       | 2    | 2    | 2    |      |                                  |      | 123    | 116    |      |   | 1401   | 1162   | 1574   |
| 321 Textiles                              |      |                                       | 35a/ | 37a/ | 38a/ |      |                                  |      | 1538a/ | 1521a/ |      |   | 3203a/ | 5149a/ | 6637a/ |
| 322 Wearing apparel, except footwear      |      |                                       | a/   | a/   | a/   |      |                                  |      | a/     | a/     |      |   | a/     | a/     | a/     |
| 323 Leather and fur products              |      |                                       | a/   | a/   | a/   |      |                                  |      | a/     | a/     |      |   | a/     | a/     | a/     |
| 324 Footwear, except rubber or plastic    |      |                                       | a/   | a/   | a/   |      |                                  |      | a/     | a/     |      |   | a/     | a/     | a/     |
| 331 Wood products, except furniture       |      |                                       | 59   | 61   | 61   |      |                                  |      | 676    | 668    |      |   | 3016   | 3713   | 4109   |
| 332 Furniture and fixtures, excl. metal   |      |                                       | 47   | 47   | 48   |      |                                  |      | 480    | 540    |      |   | 1817   | 1583   | 1680   |
| 341 Paper and products                    |      |                                       | 2    | 2    | 2    |      |                                  |      | 67     | 67     |      |   | 370    | 542    | 662    |
| 342 Printing and publishing               |      |                                       | 13   | 14   | 14   |      |                                  |      | 124    | 164    |      |   | 1079   | 1384   | 1163   |
| 351 Industrial chemicals                  |      |                                       | 3    | 3    | 4    |      |                                  |      | 256b/  | 326b/  |      |   | 1637b/ | 3983b/ | 4666b/ |
| 352 Other chemicals                       |      |                                       | 3    | 3    | 3    |      |                                  |      | b/     | b/     |      |   | b/     | b/     | b/     |
| 353 Petroleum refineries                  |      |                                       | -    | -    | -    |      |                                  |      | -      | -      |      |   | -      | -      | -      |
| 354 Misc. petroleum and coal products     |      |                                       | -    | -    | -    |      |                                  |      | -      | -      |      |   | -      | -      | -      |
| 355 Rubber products                       |      |                                       | 2    | 2    | 2    |      |                                  |      | 16c/   | 16c/   |      |   | 113c/  | 43c/   | 54c/   |
| 356 Plastic products                      |      |                                       | 3    | 3    | 3    |      |                                  |      | c/     | c/     |      |   | c/     | c/     | c/     |
| 361 Pottery, china, earthenware           |      |                                       | -    | -    | -    |      |                                  |      | -      | -      |      |   | -      | -      | -      |
| 362 Glass and products                    |      |                                       | 2    | 2    | 2    |      |                                  |      | c/     | c/     |      |   | c/     | c/     | c/     |
| 369 Other non-metallic mineral products   |      |                                       | 29   | 30   | 30   |      |                                  |      | 340    | 340    |      |   | 1921   | 1869   | 2424   |
| 371 Iron and steel                        |      |                                       | -    | -    | -    |      |                                  |      | -      | -      |      |   | -      | -      | -      |
| 372 Non-ferrous metals                    |      |                                       | -    | -    | -    |      |                                  |      | -      | -      |      |   | -      | -      | -      |
| 381 Fabricated metal products             |      |                                       | 28   | 30   | 32   |      |                                  |      | 180    | 168    |      |   | 683    | 1374   | 1781   |
| 382 Non-electrical machinery              |      |                                       | -    | -    | -    |      |                                  |      | -      | -      |      |   | -      | -      | -      |
| 383 Electrical machinery                  |      |                                       | 7    | 7    | 6    |      |                                  |      | 19     | 19     |      |   | 123    | 137    | 157    |
| 384 Transport equipment                   |      |                                       | 8    | 9    | 9    |      |                                  |      | 174    | 190    |      |   | 974    | 1448   | 1811   |
| 385 Professional and scientific equipment |      |                                       | -    | -    | -    |      |                                  |      | -      | -      |      |   | -      | -      | -      |
| 390 Other manufacturing industries        |      |                                       | 12   | 12   | 13   |      |                                  |      | 204    | 243    |      |   | 298    | 838    | 1108   |
| 3 Total manufacturing                     |      |                                       | 349  | 359  | 368  |      |                                  |      | 7110   | 7602   |      |   | 39260  | 51932  | 67941  |

a/ 321 includes 322, 323 and 324  
c/ 355 includes 356 and 362

b/ 351 includes 362



## Belize

| ISIC Industry                             | Note | Output in producers' prices |         |         |         | Note | Value added in producers' prices |        |         |         | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-----------------------------|---------|---------|---------|------|----------------------------------|--------|---------|---------|--------------------------------|------|--|------|
|   |      | (thousand DOLLARS)          |         |         |         |      | (thousand DOLLARS)               |        |         |         | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                        | 1990    | 1991    | 1992    |      | 1985                             | 1990   | 1991    | 1992    | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       |      |                             | 213230  | 231688  | 251162  |      |                                  | 64970  | 46918   | 64531   | 21.7                           |      | 46.0                                       |      |
| 313 Beverages                             |      |                             | 37922   | 50075   | 51085   |      |                                  | 4372   | 16117   | 8910    | 17.4                           |      | 69.6                                       |      |
| 314 Tobacco                               |      |                             | 10116   | 10627   | 10711   |      |                                  | 3010   | 2312    | 4667    | 43.6                           |      | 33.7                                       |      |
| 321 Textiles                              |      |                             | 40670a/ | 32957a/ | 32394a/ |      |                                  | 7184a/ | 4917a/  | 4532a/  | 14.0                           |      |  |      |
| 322 Wearing apparel, except footwear      |      |                             | a/      | a/      | a/      |      |                                  | a/     | a/      | a/      |                                |      |  |      |
| 323 Leather and fur products              |      |                             | a/      | a/      | a/      |      |                                  | a/     | a/      | a/      |                                |      |  |      |
| 324 Footwear, except rubber or plastic    |      |                             | a/      | a/      | a/      |      |                                  | a/     | a/      | a/      |                                |      |  |      |
| 331 Wood products, except furniture       |      |                             | 14352   | 15773   | 17290   |      |                                  | 4413   | 6054    | 6506    | 37.6                           |      | 63.2                                       |      |
| 332 Furniture and fixtures, excl. metal   |      |                             | 12892   | 9787    | 10468   |      |                                  | 5709   | 6067    | 3186    | 30.4                           |      | 49.6                                       |      |
| 341 Paper and products                    |      |                             | 3028    | 3762    | 4168    |      |                                  | 710    | 1035    | 1366    | 32.8                           |      | 48.6                                       |      |
| 342 Printing and publishing               |      |                             | 3518    | 4620    | 5922    |      |                                  | 1487   | 1910    | 1785    | 30.1                           |      | 66.2                                       |      |
| 351 Industrial chemicals                  |      |                             | 22940b/ | 74367b/ | 81022b/ |      |                                  | 2695b/ | 16122b/ | 16770b/ | 20.7                           |      | 27.2                                       |      |
| 352 Other chemicals                       |      |                             | b/      | b/      | b/      |      |                                  | b/     | b/      | b/      |                                |      |  |      |
| 353 Petroleum refineries                  |      |                             | -       | -       | -       |      |                                  | -      | -       | -       |                                |      |  |      |
| 354 Misc. petroleum and coal products     |      |                             | -       | -       | -       |      |                                  | -      | -       | -       |                                |      |  |      |
| 355 Rubber products                       |      |                             | 784c/   | 1162c/  | 1312c/  |      |                                  | 317c/  | 249c/   | 310c/   | 23.6                           |      | 17.4                                       |      |
| 356 Plastic products                      |      |                             | c/      | c/      | c/      |      |                                  | c/     | c/      | c/      |                                |      |  |      |
| 361 Pottery, china, earthenware           |      |                             | -       | -       | -       |      |                                  | -      | -       | -       |                                |      |  |      |
| 362 Glass and products                    |      |                             | c/      | c/      | c/      |      |                                  | c/     | c/      | c/      |                                |      |  |      |
| 369 Other non-metallic mineral products   |      |                             | 16844   | 12283   | 14310   |      |                                  | 6401   | 6440    | 7389    | 51.6                           |      | 32.8                                       |      |
| 371 Iron and steel                        |      |                             | -       | -       | -       |      |                                  | -      | -       | -       |                                |      |  |      |
| 372 Non-ferrous metals                    |      |                             | -       | -       | -       |      |                                  | -      | -       | -       |                                |      |  |      |
| 381 Fabricated metal products             |      |                             | 7002    | 9041    | 11793   |      |                                  | 2096   | 2642    | 2432    | 20.6                           |      | 73.2                                       |      |
| 382 Non-electrical machinery              |      |                             | -       | -       | -       |      |                                  | -      | -       | -       |                                |      |  |      |
| 383 Electrical machinery                  |      |                             | 1914    | 2389    | 4053    |      |                                  | 174    | 186     | 169     | 4.2                            |      | 92.9                                       |      |
| 384 Transport equipment                   |      |                             | 17950   | 3223    | 10407   |      |                                  | 2202   | 1604    | 4992    | 46.0                           |      | 36.3                                       |      |
| 385 Professional and scientific equipment |      |                             | -       | -       | -       |      |                                  | -      | -       | -       |                                |      |  |      |
| 390 Other manufacturing industries        |      |                             | 844     | 2837    | 2919    |      |                                  | 772    | 1557    | 1259    | 43.1                           |      | 68.0                                       |      |
| 3 Total manufacturing                     |      |                             | 404006  | 464601  | 509016  |      |                                  | 96512  | 112130  | 118604  | 23.3                           |      | 46.8                                       |      |

a/ 321 includes 322, 323 and 324  
c/ 355 includes 356 and 362

b/ 351 includes 352

Belize

| ISIC Industry                             | Gross fixed capital formation |                    |      |      |      | Index numbers of industrial production |            |      |      |      |      |      |      |      |      |  |
|---|-------------------------------|--------------------|------|------|------|--|------------|------|------|------|------|------|------|------|------|--|
|   | Note                          | (thousand DOLLARS) |      |      |      | Note                                   | (1980=100) |      |      |      |      |      |      |      |      |  |
|   |                               | 1985               | 1990 | 1991 | 1992 |  | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |  |
| 311/2 Food Products                       |                               |                    |      |      |      |  | 98         | 99   | 90   | 80   | 79   | 88   | 97   | 99   | 97   |  |
| 313 Beverages                             |                               |                    |      |      |      |  | 85         | 82   | 82   | 79   | 77   | 89   | 103  | 119  | 124  |  |
| 314 Tobacco                               |                               |                    |      |      |      |  | 102        | 117  | 120  | 155  | 149  | 163  | 160  | 169  | 158  |  |
| 321 Textiles                              |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 322 Wearing apparel, except footwear      |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 323 Leather and fur products              |                               |                    |      |      |      |  | 123        | 171  | 157  | 162  | 231  | 218  | 225  | 244  | 254  |  |
| 324 Footwear, except rubber or plastic    |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 331 Wood products, except furniture       |                               |                    |      |      |      |  | 87         | 92   | 73   | 140  | 144  | 161  | 165  | 206  | 227  |  |
| 332 Furniture and fixtures, excl metal    |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 341 Paper and products                    |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 342 Printing and publishing               |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 351 Industrial chemicals                  |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 352 Other chemicals                       |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 353 Petroleum refineries                  |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 354 Misc. petroleum and coal products     |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 355 Rubber products                       |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 356 Plastic products                      |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 361 Pottery, china, earthenware           |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 362 Glass and products                    |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 369 Other non-metallic mineral products   |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 371 Iron and steel                        |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 372 Non-ferrous metals                    |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 381 Fabricated metal products             |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 382 Non-electrical machinery              |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 383 Electrical machinery                  |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 384 Transport equipment                   |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 385 Professional and scientific equipment |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 390 Other manufacturing industries        |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |
| 3 Total manufacturing                     |                               |                    |      |      |      |  |            |      |      |      |      |      |      |      |      |  |

## BOLIVIA

|  |   |
|--|---|
| <p><b>Supplier of information:</b><br/>Instituto Nacional de Estadística, Ministerio de Planificación y Coordinación, La Paz.</p> <p><b>Basic source of data:</b><br/>Not reported.</p> <p><b>Major deviations from current version of ISIC:</b><br/>The index numbers of industrial production are compiled according to the preceding version of ISIC. Wherever possible, adjustments have been made to convert the data to the current version of the ISIC.</p> <p><b>Reference period (if not calendar year):</b></p> <p><b>Scope:</b><br/>Establishments with 20 or more persons engaged and all multi-establishment enterprises regardless of size. It is estimated that these large establishments account for 85 per cent of output in manufacturing.</p> <p><b>Method of enumeration:</b><br/>Not reported.</p> <p><b>Adjusted for non-response:</b><br/>Yes.</p> | <p><b>Concepts and definitions of variables:</b><br/><u>Value added</u> does not include non-industrial costs.</p> <p><b>Related national publications:</b><br/>Bolivia en Cifras (annual), published by the Instituto Nacional de Estadística, La Paz.</p> |
|--|---|

## Bolivia

| ISIC Industry                             | Number of establishments |           |      |      | Number of employees |      |           |       | Wages and salaries paid to employees |       |      |                       |        |        |        |
|---|--------------------------|-----------|------|------|---------------------|------|-----------|-------|--------------------------------------|-------|------|-----------------------|--------|--------|--------|
|   | Note                     | (numbers) |      |      |                     | Note | (numbers) |       |                                      |       | Note | (thousand BOLIVIANOS) |        |        |        |
|   |                          | 1985      | 1989 | 1990 | 1991                |      | 1985      | 1989  | 1990                                 | 1991  |      | 1985                  | 1989   | 1990   | 1991   |
| 311/2 Food Products                       |                          | 98        | 83   | 71   | 70                  |      | 6107      | 5771  | 4568                                 | 5243  |      | 8131                  | 45660  | 34729  | 48060  |
| 313 Beverages                             |                          | 33        | 38   | 37   | 34                  |      | 3545      | 3501  | 3532                                 | 2485  |      | 3048                  | 34770  | 33448  | 43928  |
| 314 Tobacco                               |                          | 1         | 1    | 1    | 1                   |      | 135       | 154   | 158                                  | 182   |      | 80                    | 870    | 1065   | 1469   |
| 321 Textiles                              |                          | 45        | 37   | 34   | 29                  |      | 4242      | 2996  | 2781                                 | 2736  |      | 2165                  | 12460  | 11455  | 11506  |
| 322 Wearing apparel, except footwear      |                          | 16        | 9    | 9    | 11                  |      | 811       | 372   | 397                                  | 633   |      | 338                   | 1230   | 1690   | 2240   |
| 323 Leather and fur products              |                          | 13        | 12   | 11   | 11                  |      | 673       | 805   | 609                                  | 672   |      | 242                   | 2820   | 3014   | 3487   |
| 324 Footwear, except rubber or plastic    |                          | 12        | 6    | 5    | 6                   |      | 1191      | 702   | 285                                  | 287   |      | 1472                  | 4310   | 1125   | 1668   |
| 331 Wood products, except furniture       |                          | 36        | 34   | 34   | 31                  |      | 1349      | 1983  | 1811                                 | 1873  |      | 1268                  | 9730   | 7459   | 8064   |
| 332 Furniture and fixtures, excl metal    |                          | 14        | 8    | 5    | 8                   |      | 225       | 314   | 174                                  | 373   |      | 82                    | 900    | 522    | 1524   |
| 341 Paper and products                    |                          | 6         | 3    | 3    | 3                   |      | 257       | 218   | 255                                  | 136   |      | 110                   | 1020   | 1074   | 748    |
| 342 Printing and publishing               |                          | 16        | 25   | 21   | 22                  |      | 957       | 1618  | 1661                                 | 1580  |      | 843                   | 12130  | 12163  | 12665  |
| 351 Industrial chemicals                  |                          | 6         | 7    | 8    | 6                   |      | 187       | 221   | 220                                  | 184   |      | 206                   | 1790   | 1608   | 1856   |
| 352 Other chemicals                       |                          | 19        | 22   | 22   | 18                  |      | 1311      | 1348  | 1464                                 | 1401  |      | 1151                  | 10360  | 12717  | 15366  |
| 353 Petroleum refineries                  |                          | 3         | 3    | 3    | 3                   |      | 865       | 574   | 592                                  | 602   |      | 3012                  | 10240  | 11229  | 13999  |
| 354 Misc petroleum and coal products      |                          |           |      |      |                     |      |           |       |                                      |       |      |                       |        |        |        |
| 355 Rubber products                       |                          | 2         | 1    | 1    | 3                   |      | 20        | 28    | 17                                   | 45    |      | 5                     | 80     | 60     | 303    |
| 356 Plastic products                      |                          | 12        | 26   | 25   | 19                  |      | 729       | 1118  | 992                                  | 986   |      | 323                   | 6910   | 5317   | 6482   |
| 361 Pottery, china, earthenware           |                          |           |      |      |                     |      |           |       |                                      |       |      |                       |        |        |        |
| 362 Glass and products                    |                          | 5         | 3    | 3    | 2                   |      | 664       | 370   | 359                                  | 196   |      | 694                   | 1120   | 1414   | 1374   |
| 369 Other non-metallic mineral products   |                          | 25        | 28   | 29   | 31                  |      | 1622      | 1840  | 2343                                 | 1977  |      | 1636                  | 17820  | 16683  | 19370  |
| 371 Iron and steel                        |                          | 1         | 1    |      |                     |      | 56        | 21    | 35                                   |       |      | 14                    | 70     | 206    |        |
| 372 Non-ferrous metals                    |                          | 5         | 3    | 3    | 3                   |      | 2062      | 911   | 967                                  | 963   |      | 773                   | 6580   | 7888   | 10093  |
| 381 Fabricated metal products             |                          | 23        | 27   | 22   | 16                  |      | 543       | 772   | 570                                  | 639   |      | 282                   | 3450   | 2439   | 3649   |
| 382 Non-electrical machinery              |                          | 2         | 4    | 3    | 4                   |      | 120       | 135   | 108                                  | 110   |      | 33                    | 780    | 755    | 584    |
| 383 Electrical machinery                  |                          | 7         | 7    | 5    | 6                   |      | 168       | 161   | 201                                  | 200   |      | 74                    | 1180   | 850    | 864    |
| 384 Transport equipment                   |                          | 4         | 5    | 5    | 6                   |      | 145       | 307   | 306                                  | 331   |      | 88                    | 2010   | 1824   | 2032   |
| 385 Professional and scientific equipment |                          | 2         | 2    | 3    | 3                   |      | 68        | 55    | 81                                   | 76    |      | 45                    | 480    | 545    | 597    |
| 390 Other manufacturing industries        |                          | 5         | 2    | 2    | 2                   |      | 116       | 45    | 33                                   | 41    |      | 30                    | 190    | 164    | 139    |
| 3 Total manufacturing                     | a/                       | 411       | 397  | 365  | 348                 | a/   | 27868     | 26330 | 24527                                | 23830 | a/   | 25140                 | 187960 | 171230 | 212026 |

a/ Sum of available data

## Bolivia

| ISIC Industry                             | Note | Output in producers' prices |        |        |        | Note | Value added in producers' prices |        |        |        | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-----------------------------|--------|--------|--------|------|----------------------------------|--------|--------|--------|--------------------------------|------|--|------|
|   |      | (million BOLIVIANOS)        |        |        |        |      | (million BOLIVIANOS)             |        |        |        | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                        | 1989   | 1990   | 1991   |      | 1985                             | 1989   | 1990   | 1991   | 1985                           | 1991 | 1985                                       | 1991 |
| 311/2 Food Products                       |      | 198.9                       | 662.0  | 861.0  | 839.0  |      | 85.4                             | 196.0  | 221.0  | 193.0  | 42.9                           | 23.0 | 9.5  | 24.9 |
| 313 Beverages                             |      | 34.4                        | 383.0  | 315.0  | 464.0  |      | 14.9                             | 193.0  | 153.0  | 303.0  | 43.3                           | 65.3 | 20.5                                       | 14.5 |
| 314 Tobacco                               |      | 2.4                         | 32.0   | 37.0   | 45.0   |      | 1.7                              | 15.0   | 16.0   | 22.0   | 72.5                           | 48.9 | 4.5  | 5.7  |
| 321 Textiles                              |      | 21.7                        | 116.0  | 135.0  | 167.0  |      | 11.5                             | 14.0   | 47.0   | 53.0   | 53.2                           | 31.7 | 18.7                                       | 21.7 |
| 322 Wearing apparel, except footwear      |      | 3.0                         | 12.0   | 16.0   | 21.0   |      | 1.4                              | 5.0    | 8.0    | 8.0    | 44.6                           | 38.1 | 24.9                                       | 28.0 |
| 323 Leather and fur products              |      | 2.6                         | 45.0   | 58.0   | 67.0   |      | 0.9                              | 22.0   | 14.0   | 15.0   | 35.4                           | 24.2 | 26.2                                       | 23.1 |
| 324 Footwear, except rubber or plastic    |      | 10.6                        | 38.0   | 18.0   | 17.0   |      | 6.0                              | 5.0    | 6.0    | 5.0    | 56.1                           | 41.7 | 24.7                                       | 33.4 |
| 331 Wood products, except furniture       |      | 6.1                         | 104.0  | 100.0  | 121.0  |      | 2.1                              | 32.0   | 33.0   | 41.0   | 34.0                           | 33.9 | 60.8                                       | 19.7 |
| 332 Furniture and fixtures, excl. metal   |      | 0.5                         | 4.0    | 4.0    | 9.0    |      | 0.3                              | 1.0    | 1.0    | 3.0    | 61.1                           | 33.3 | 28.4                                       | 50.8 |
| 341 Paper and products                    |      | 1.4                         | 14.0   | 19.0   | 12.0   |      | 0.5                              | 5.0    | 4.0    | 5.0    | 38.8                           | 41.7 | 20.5                                       | 15.0 |
| 342 Printing and publishing               |      | 8.0                         | 85.0   | 93.0   | 111.0  |      | 3.9                              | 38.0   | 45.0   | 45.0   | 49.3                           | 40.5 | 21.4                                       | 28.1 |
| 351 Industrial chemicals                  |      | 1.7                         | 10.0   | 24.0   | 15.0   |      | 0.9                              | 6.0    | 5.0    | 8.0    | 51.7                           | 63.3 | 22.7                                       | 23.2 |
| 352 Other chemicals                       |      | 14.5                        | 88.0   | 115.0  | 131.0  |      | 4.9                              | 42.0   | 52.0   | 52.0   | 33.9                           | 39.7 | 23.4                                       | 29.5 |
| 353 Petroleum refineries                  |      | 16.5                        | 986.0  | 1337.0 | 1931.0 |      | 12.8                             | 728.0  | 1021.0 | 1623.0 | 77.5                           | 78.9 | 23.5                                       | 0.9  |
| 354 Misc. petroleum and coal products     |      |                             |        |        |        |      |                                  |        |        |        |                                |      |  |      |
| 355 Rubber products                       |      | 0.2                         |        | 2.0    | 8.0    |      | 0.1                              |        | 1.0    | 6.0    | 38.0                           | 75.0 | 6.6  | 5.0  |
| 356 Plastic products                      |      | 4.1                         | 50.0   | 61.0   | 57.0   |      | 1.7                              | 19.0   | 22.0   | 24.0   | 40.7                           | 42.1 | 19.1                                       | 26.9 |
| 361 Pottery, china, earthenware           |      |                             |        |        |        |      |                                  |        |        |        |                                |      |  |      |
| 362 Glass and products                    |      | 3.5                         | 17.0   | 20.0   | 20.0   |      | 2.6                              | 8.0    | 10.0   | 11.0   | 74.2                           | 55.0 | 26.5                                       | 12.5 |
| 369 Other non-metallic mineral products   |      | 20.0                        | 124.0  | 170.0  | 233.0  |      | 12.5                             | 67.0   | 93.0   | 99.0   | 62.9                           | 42.5 | 13.0                                       | 19.6 |
| 371 Iron and steel                        |      | 0.3                         | 1.0    |        |        |      | 0.3                              |        |        |        | 75.3                           |      | 5.5  |      |
| 372 Non-ferrous metals                    |      | 119.1                       | 224.0  | 249.0  | 286.0  |      | 6.2                              | 28.0   | 33.0   | 42.0   | 5.2                            | 14.7 | 12.5                                       | 24.0 |
| 381 Fabricated metal products             |      | 3.1                         | 46.0   | 45.0   | 65.0   |      | 1.7                              | 15.0   | 14.0   | 24.0   | 54.4                           | 36.9 | 16.6                                       | 15.2 |
| 382 Non-electrical machinery              |      | 0.1                         | 4.0    | 2.0    | 2.0    |      | 0.1                              | 2.0    | 1.0    | 1.0    | 66.2                           | 50.0 | 62.3                                       | 58.4 |
| 383 Electrical machinery                  |      | 2.0                         | 8.0    | 13.0   | 17.0   |      | 0.6                              | 3.0    | 5.0    | 5.0    | 30.7                           | 29.4 | 12.4                                       | 17.3 |
| 384 Transport equipment                   |      | 0.4                         | 8.0    | 9.0    | 9.0    |      | 0.2                              | 7.0    | 6.0    | 6.0    | 51.9                           | 66.7 | 42.1                                       | 33.9 |
| 386 Professional and scientific equipment |      | 0.4                         | 2.0    | 3.0    | 3.0    |      | 0.3                              | 1.0    | 2.0    | 1.0    | 76.3                           | 33.3 | 14.4                                       | 59.7 |
| 390 Other manufacturing industries        |      | 0.2                         |        | 7.0    | 5.0    |      | 0.1                              |        | 2.0    | 1.0    | 50.9                           | 20.0 | 26.8                                       | 13.9 |
| 3 Total manufacturing                     | a/   | 475.9                       | 3063.0 | 3709.0 | 4645.0 | a/   | 173.7                            | 1452.0 | 1814.0 | 2496.0 | 36.5                           | 53.7 | 15.1                                       | 8.5  |

a/ Sum of available data.

## Bolivia

| ISIC Industry                             | Gross fixed capital formation |                      |      |      | Index numbers of industrial production |      |            |      |      |      |      |      |      |      |      |  |
|---|-------------------------------|----------------------|------|------|--|------|------------|------|------|------|------|------|------|------|------|--|
|   | Note                          | (million BOLIVIANOS) |      |      |  | Note | (1980=100) |      |      |      |      |      |      |      |      |  |
|   |                               | 1985                 | 1989 | 1990 | 1991                                   |      | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |  |
| 311/2 Food Products                       |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 313 Beverages                             |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 314 Tobacco                               |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 321 Textiles                              |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 322 Wearing apparel, except footwear      |                               | ...                  | ...  | ...  | ...                                    |      | 88         | 71   | 80   | 68   | 69   | 81   | 87   | 78   | 88   |  |
| 323 Leather and fur products              |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 324 Footwear, except rubber or plastic    |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 331 Wood products, except furniture       |                               | ...                  | ...  | ...  | ...                                    |      | 101        | 49   | 57   | 79   | 64   | 79   | 64   | 68   | 45   |  |
| 332 Furniture and fixtures, excl. metal   |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 341 Paper and products                    |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 342 Printing and publishing               |                               | ...                  | ...  | ...  | ...                                    |      | 58         | 48   | 39   | 49   | 51   | 63   | 65   | 55   | 59   |  |
| 351 Industrial chemicals                  |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 352 Other chemicals                       |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 353 Petroleum refineries                  |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 354 Misc. petroleum and coal products     |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 355 Rubber products                       |                               | ...                  | ...  | ...  | ...                                    |      | 83         | 66   | 53   | 58   | 48   | 49   | 51   | 79   | 59   |  |
| 356 Plastic products                      |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 361 Pottery, china, earthenware           |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 362 Glass and products                    |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 369 Other non-metallic mineral products   |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 371 Iron and steel                        |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 372 Non-ferrous metals                    |                               | ...                  | ...  | ...  | ...                                    |      | 80         | 64   | 39   | 14   | 27   | 48   | 66   | 78   | 79   |  |
| 381 Fabricated metal products             |                               | ...                  | ...  | ...  | ...                                    |      | 36         | 24   | 30   | 34   | 47   | 54   | 38   | 44   | 58   |  |
| 382 Non-electrical machinery              |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 383 Electrical machinery                  |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 384 Transport equipment                   |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 385 Professional and scientific equipment |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 390 Other manufacturing industries        |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 3 Total manufacturing                     |                               | ...                  | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |

## BOTSWANA

**Supplier of information:**

Central Statistics Office, Ministry of Finance and Development Planning, Gaborone.

**Basic source of data:**

Survey of Employment and Earnings (bi-annually), Survey of Industrial Production (quarterly) and Census of Production and Distribution (annual).

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):**

Fiscal year ending 30 June of the year indicated.

**Scope:**

Licensed establishments with one or more paid employees.

**Method of enumeration:**

Questionnaires distributed by mail.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

Number of employees relates to September of the year indicated.

Output and value added refer to gross output and total value added, respectively, and are derived from national accounts estimates.

**Related national publications:**

Statistical Bulletin (monthly); Employment Survey Report (annual); National Accounts of Botswana (annual), all published by the Central Statistics Office, Ministry of Finance and Development Planning, Gaborone.

## Botswana

| ISIC Industry                             | Number of establishments |           |      |      | Number of employees |      |             |      | Wages and salaries paid to employees |      |      |                |      |      |      |
|---|--------------------------|-----------|------|------|---------------------|------|-------------|------|--------------------------------------|------|------|----------------|------|------|------|
|   | Note                     | (numbers) |      |      |                     | Note | (thousands) |      |                                      |      | Note | (million PULA) |      |      |      |
|   |                          | 1985      | 1990 | 1991 | 1992                |      | 1985        | 1990 | 1991                                 | 1992 |      | 1985           | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |                          | 85        | 51   | 57   | 79                  |      | 3.2         | 5.2  | 5.2                                  | 4.9  |      |                |      |      |      |
| 313 Beverages                             |                          | 19        | 7    | 6    | 6                   |      | 0.4         | 1.3  | 1.3                                  | 0.8  |      |                |      |      |      |
| 314 Tobacco                               |                          | -         | -    | -    | -                   |      | -           | -    | -                                    | -    |      |                |      |      |      |
| 321 Textiles                              | a/                       | 89        | 72   | 86   | 96                  | a/   | 1.5         | 4.2  | 4.8                                  | 3.8  |      |                |      |      |      |
| 322 Wearing apparel, except footwear      | a/                       | ...       | ...  | ...  | ...                 | a/   | ...         | ...  | ...                                  | ...  |      |                |      |      |      |
| 323 Leather and fur products              | b/                       | 35        | 17   | 18   | 18                  | b/   | 0.3         | 0.6  | 1.1                                  | 0.6  |      |                |      |      |      |
| 324 Footwear, except rubber or plastic    | b/                       | ...       | ...  | ...  | ...                 | b/   | ...         | ...  | ...                                  | ...  |      |                |      |      |      |
| 331 Wood products, except furniture       | c/                       | 40        | 25   | 25   | 29                  | c/   | 0.4         | 1.4  | 1.8                                  | 1.1  |      |                |      |      |      |
| 332 Furniture and fixtures, excl. metal   | c/                       | ...       | ...  | ...  | ...                 | c/   | ...         | ...  | ...                                  | ...  |      |                |      |      |      |
| 341 Paper and products                    | d/                       | 36        | 18   | 22   | 40                  | d/   | 0.5         | 1.5  | 1.7                                  | 1.4  |      |                |      |      |      |
| 342 Printing and publishing               | d/                       | ...       | ...  | ...  | ...                 | d/   | ...         | ...  | ...                                  | ...  |      |                |      |      |      |
| 351 Industrial chemicals                  | e/                       | 28        | 21   | 21   | 27                  | e/   | 0.3         | 1.0  | 1.1                                  | 1.1  |      |                |      |      |      |
| 352 Other chemicals                       | e/                       | ...       | ...  | ...  | ...                 | e/   | ...         | ...  | ...                                  | ...  |      |                |      |      |      |
| 353 Petroleum refineries                  |                          | ...       | ...  | ...  | ...                 |      | ...         | ...  | ...                                  | ...  |      |                |      |      |      |
| 354 Misc. petroleum and coal products     |                          | ...       | ...  | ...  | ...                 |      | ...         | ...  | ...                                  | ...  |      |                |      |      |      |
| 355 Rubber products                       | e/                       | ...       | ...  | ...  | ...                 | e/   | ...         | ...  | ...                                  | ...  |      |                |      |      |      |
| 356 Plastic products                      | e/                       | ...       | ...  | ...  | ...                 | e/   | ...         | ...  | ...                                  | ...  |      |                |      |      |      |
| 361 Pottery, china, earthenware           |                          | -         | -    | -    | -                   |      | -           | -    | -                                    | -    |      |                |      |      |      |
| 362 Glass and products                    |                          | -         | -    | -    | -                   |      | -           | -    | -                                    | -    |      |                |      |      |      |
| 369 Other non-metallic mineral products   |                          | -         | -    | -    | -                   |      | -           | -    | -                                    | -    |      |                |      |      |      |
| 371 Iron and steel                        |                          | -         | -    | -    | -                   |      | -           | -    | -                                    | -    |      |                |      |      |      |
| 372 Non-ferrous metals                    |                          | -         | -    | -    | -                   |      | -           | -    | -                                    | -    |      |                |      |      |      |
| 381 Fabricated metal products             | f/                       | 108       | 43   | 58   | 72                  | f/   | 2.0         | 4.5  | 4.2                                  | 3.2  |      |                |      |      |      |
| 382 Non-electrical machinery              | f/                       | ...       | ...  | ...  | ...                 | f/   | ...         | ...  | ...                                  | ...  |      |                |      |      |      |
| 383 Electrical machinery                  | f/                       | ...       | ...  | ...  | ...                 | f/   | ...         | ...  | ...                                  | ...  |      |                |      |      |      |
| 384 Transport equipment                   | f/                       | ...       | ...  | ...  | ...                 | f/   | ...         | ...  | ...                                  | ...  |      |                |      |      |      |
| 385 Professional and scientific equipment |                          | ...       | ...  | ...  | ...                 |      | ...         | ...  | ...                                  | ...  |      |                |      |      |      |
| 390 Other manufacturing industries        |                          | 200       | 56   | 69   | 75                  |      | 1.4         | 4.6  | 5.3                                  | 4.9  |      |                |      |      |      |
| 3 Total manufacturing                     |                          | 640       | 310  | 362  | 442                 |      | 10.0        | 24.3 | 26.3                                 | 21.8 |      |                |      |      |      |

a/ 321 includes 322.  
c/ 331 includes 332.  
e/ 351 includes 352, 355 and 356.

b/ 323 includes 324.  
d/ 341 includes 342.  
f/ 381 includes 382, 383 and 384.



## Botswana

| ISIC Industry                             | Note | Output in factor values |      |      |      | Note  | Value added in factor values |      |      |      | Share of value added in output (percentage) |      | Share of wages and salaries in value added (percentage) |      |
|---|------|-------------------------|------|------|------|-------|------------------------------|------|------|------|---|------|---|------|
|   |      | (million PULA)          |      |      |      |       | (million PULA)               |      |      |      | 1985  | 1992 | 1985  | 1992 |
|   |      | 1985                    | 1990 | 1991 | 1992 |       | 1985                         | 1990 | 1991 | 1992 |   |      |   |      |
| 311/2 Food Products                       |      | 121.2                   | ...  | ...  | ...  | 26.7  | ...                          | ...  | ...  | 22.0 | ...   | ...  | ...   |      |
| 313 Beverages                             |      | 64.9                    | ...  | ...  | ...  | 18.3  | ...                          | ...  | ...  | 28.2 | ...   | ...  | ...   |      |
| 314 Tobacco                               |      | -                       | ...  | ...  | ...  | -     | ...                          | ...  | ...  | ...  | ...   | ...  | ...   |      |
| 321 Textiles                              |      | 26.5a/                  | ...  | ...  | ...  | 6.2a/ | ...                          | ...  | ...  | 23.4 | ...   | ...  | ...   |      |
| 322 Wearing apparel, except footwear      |      | ...a/                   | ...  | ...  | ...  | ...a/ | ...                          | ...  | ...  | ...  | ...   | ...  | ...   |      |
| 323 Leather and fur products              |      | 1.3b/                   | ...  | ...  | ...  | 0.2b/ | ...                          | ...  | ...  | 16.4 | ...   | ...  | ...   |      |
| 324 Footwear, except rubber or plastic    |      | ...b/                   | ...  | ...  | ...  | ...b/ | ...                          | ...  | ...  | ...  | ...   | ...  | ...   |      |
| 331 Wood products, except furniture       |      | 6.7c/                   | ...  | ...  | ...  | 1.5c/ | ...                          | ...  | ...  | 22.4 | ...   | ...  | ...   |      |
| 332 Furniture and fixtures, excl metal    |      | ...c/                   | ...  | ...  | ...  | ...c/ | ...                          | ...  | ...  | ...  | ...   | ...  | ...   |      |
| 341 Paper and products                    |      | 12.8d/                  | ...  | ...  | ...  | 2.3d/ | ...                          | ...  | ...  | 18.0 | ...   | ...  | ...   |      |
| 342 Printing and publishing               |      | ...d/                   | ...  | ...  | ...  | ...d/ | ...                          | ...  | ...  | ...  | ...   | ...  | ...   |      |
| 351 Industrial chemicals                  |      | 14.0e/                  | ...  | ...  | ...  | 5.0e/ | ...                          | ...  | ...  | 36.7 | ...   | ...  | ...   |      |
| 352 Other chemicals                       |      | ...e/                   | ...  | ...  | ...  | ...e/ | ...                          | ...  | ...  | ...  | ...   | ...  | ...   |      |
| 353 Petroleum refineries                  |      | -                       | ...  | ...  | ...  | -     | ...                          | ...  | ...  | ...  | ...   | ...  | ...   |      |
| 354 Misc petroleum and coal products      |      | -                       | ...  | ...  | ...  | -     | ...                          | ...  | ...  | ...  | ...   | ...  | ...   |      |
| 355 Rubber products                       |      | ...e/                   | ...  | ...  | ...  | ...e/ | ...                          | ...  | ...  | ...  | ...   | ...  | ...   |      |
| 356 Plastic products                      |      | ...e/                   | ...  | ...  | ...  | ...e/ | ...                          | ...  | ...  | ...  | ...   | ...  | ...   |      |
| 361 Pottery, china, earthenware           |      | -                       | ...  | ...  | ...  | -     | ...                          | ...  | ...  | ...  | ...   | ...  | ...   |      |
| 362 Glass and products                    |      | -                       | ...  | ...  | ...  | -     | ...                          | ...  | ...  | ...  | ...   | ...  | ...   |      |
| 369 Other non-metallic mineral products   |      | -                       | ...  | ...  | ...  | -     | ...                          | ...  | ...  | ...  | ...   | ...  | ...   |      |
| 371 Iron and steel                        |      | -                       | ...  | ...  | ...  | -     | ...                          | ...  | ...  | ...  | ...   | ...  | ...   |      |
| 372 Non-ferrous metals                    |      | -                       | ...  | ...  | ...  | -     | ...                          | ...  | ...  | ...  | ...   | ...  | ...   |      |
| 381 Fabricated metal products             |      | 17.6f/                  | ...  | ...  | ...  | 9.4f/ | ...                          | ...  | ...  | 53.4 | ...   | ...  | ...   |      |
| 382 Non-electrical machinery              |      | ...f/                   | ...  | ...  | ...  | ...f/ | ...                          | ...  | ...  | ...  | ...   | ...  | ...   |      |
| 383 Electrical machinery                  |      | ...f/                   | ...  | ...  | ...  | ...f/ | ...                          | ...  | ...  | ...  | ...   | ...  | ...   |      |
| 384 Transport equipment                   |      | ...f/                   | ...  | ...  | ...  | ...f/ | ...                          | ...  | ...  | ...  | ...   | ...  | ...   |      |
| 385 Professional and scientific equipment |      | -                       | ...  | ...  | ...  | -     | ...                          | ...  | ...  | ...  | ...   | ...  | ...   |      |
| 390 Other manufacturing industries        |      | 54.3                    | ...  | ...  | ...  | 14.9  | ...                          | ...  | ...  | 27.4 | ...   | ...  | ...   |      |
| 3 Total manufacturing                     |      | 319.3                   | ...  | ...  | ...  | 84.5  | ...                          | ...  | ...  | 26.5 | ...   | ...  | ...   |      |

a/ 321 includes 322  
c/ 331 includes 332  
e/ 351 includes 352, 355 and 356.

b/ 323 includes 324.  
d/ 341 includes 342.  
f/ 381 includes 382, 383 and 384.

## Botswana

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|------|------|--|------|------|------|------|------|------|------|
|   |      | (million PULA)                |      |      |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990 | 1991 | 1992 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 313 Beverages                             |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 314 Tobacco                               |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 321 Textiles                              |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 322 Wearing apparel, except footwear      |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 323 Leather and fur products              |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 324 Footwear, except rubber or plastic    |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 331 Wood products, except furniture       |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 332 Furniture and fixtures, excl. metal   |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 341 Paper and products                    |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 342 Printing and publishing               |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 351 Industrial chemicals                  |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 352 Other chemicals                       |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 353 Petroleum refineries                  |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 354 Misc petroleum and coal products      |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 355 Rubber products                       |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 356 Plastic products                      |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 361 Pottery, china, earthenware           |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 362 Glass and products                    |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 369 Other non-metallic mineral products   |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 371 Iron and steel                        |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 372 Non-ferrous metals                    |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 381 Fabricated metal products             |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 382 Non-electrical machinery              |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 383 Electrical machinery                  |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 384 Transport equipment                   |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 385 Professional and scientific equipment |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 390 Other manufacturing industries        |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 3 Total manufacturing                     |      | ...                           | ...  | ...  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |

## BULGARIA

**Supplier of information:**

Central Statistical Office of the Council of Ministers, Sofia.

**Basic source of data:**

Statistical reports collected regularly by the above office.

**Major deviations from current version of ISIC:**

The classification of all of the enterprise's primary and subsidiary units is determined by its basic activity. Where the enterprise engages in more than one kind of activity, the nature of the main product determines the classification; if no product accounts for more than 80 per cent of total output, the enterprise is classified under miscellaneous manufacturing. All activities of co-operatives are included in the miscellaneous manufacturing branch. Repair services for the general public are included in total manufacturing (ISIC major division 3).

**Reference period (if not calendar year):****Scope:**

All State and co-operative industrial enterprises with independent balance-sheets. Subsidiary industrial activity of non-industrial enterprises and organizations and private enterprises are excluded.

The indices of industrial production cover, in principle, all industrial establishments.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of enterprises refers to state-owned and co-operative industrial enterprises as of 31 December of the reference year.

Number of employees includes apprentices and non-industrial staff.

Wages and salaries is computed by UNIDO from reported wages and salaries per employee.

Gross fixed capital formation refers to the net increase in fixed assets other than land during the reference year. Valuation is at full original cost.

**Related national publications:**

Statisticheski Godishnik Na Narodna Republika Bulgaria (Statistical Yearbook of the People's Republic of Bulgaria), published by the Central Statistical Office of the Council of Ministers, Sofia.

## Bulgaria

| ISIC Industry                             | Note | Number of enterprises<br>(numbers) |      |      |      | Note | Number of employees<br>(thousands) |        |        |       | Note | Wages and salaries paid<br>to employees<br>(million LEVA) |        |         |         |
|---|------|------------------------------------|------|------|------|------|------------------------------------|--------|--------|-------|------|---|--------|---------|---------|
|   |      | 1985                               | 1990 | 1991 | 1992 |      | 1985                               | 1990   | 1991   | 1992  |      | 1985  | 1990   | 1991    | 1992    |
| 311/2 Food Products                       |      | 175                                | 221  | 286  | 333  |      | 106.6                              | 106.7  | 87.1   | 73.6  |      | 260.0   | 416.1  | 988.5   | 1772.1  |
| 313 Beverages                             |      | 64                                 | 74   | 67   | 96   |      | 20.5                               | 21.6   | 16.5   | 13.7  |      | 48.6  | 96.6   | 262.9   | 464.0   |
| 314 Tobacco                               |      | 23                                 | 24   | 24   | 28   |      | 19.4                               | 15.3   | 15.2   | 15.9  |      | 46.5  | 61.2   | 209.5   | 544.9   |
| 321 Textiles                              |      | 133                                | 150  | 153  | 160  |      | 120.7                              | 112.0  | 87.9   | 73.7  |      | 296.4   | 419.8  | 816.9   | 1352.4  |
| 322 Wearing apparel, except footwear      |      | 73                                 | 98   | 99   | 138  |      | 59.1                               | 64.1   | 52.9   | 44.9  |      | 121.0   | 213.6  | 430.6   | 727.5   |
| 323 Leather and fur products              |      | 19                                 | 25   | 25   | 28   |      | 11.8                               | 12.0   | 9.3    | 7.7   |      | 29.0  | 47.0   | 92.3    | 140.3   |
| 324 Footwear, except rubber or plastic    |      | 19                                 | 25   | 24   | 36   |      | 20.5                               | 19.7   | 16.8   | 16.2  |      | 45.4  | 70.0   | 166.6   | 290.1   |
| 331 Wood products, except furniture       |      | 58                                 | 61   | 60   | 74   |      | 25.5                               | 24.3   | 18.3   | 16.0  |      | 66.5  | 94.6   | 190.0   | 339.9   |
| 332 Furniture and fixtures, excl metal    |      | 50                                 | 62   | 62   | 75   |      | 25.0                               | 22.4   | 18.9   | 16.0  |      | 63.7  | 85.1   | 187.0   | 277.3   |
| 341 Paper and products                    |      | 18                                 | 20   | 19   | 22   |      | 16.0                               | 14.9   | 13.4   | 12.0  |      | 41.4  | 54.5   | 144.2   | 257.9   |
| 342 Printing and publishing               |      | 36                                 | 37   | 40   | 44   |      | 10.7                               | 8.9    | 7.3    | 5.6   |      | 27.9  | 37.7   | 101.4   | 162.1   |
| 351 Industrial chemicals                  |      | 12                                 | 18   | 16   | 18   |      | 34.9                               | 32.7   | 29.0   | 24.1  |      | 103.6   | 155.4  | 391.2   | 766.4   |
| 352 Other chemicals                       |      | 46                                 | 52   | 51   | 54   |      | 27.3                               | 31.6   | 26.0   | 24.3  |      | 78.3  | 130.7  | 361.9   | 674.9   |
| 353 Petroleum refineries                  |      | -                                  | -    | -    | -    |      | -                                  | -      | -      | -     |      | -   | -      | -       | -       |
| 354 Misc petroleum and coal products      |      | 5                                  | 6    | 6    | 7    |      | 15.6                               | 14.1   | 14.4   | 13.9  |      | -   | -      | -       | -       |
| 355 Rubber products                       |      | 13                                 | 15   | 15   | 17   |      | 19.4                               | 18.8   | 15.2   | 14.3  |      | -   | -      | -       | -       |
| 356 Plastic products                      |      | 22                                 | 30   | 30   | 33   |      | 12.6                               | 12.8   | 10.4   | 9.7   |      | 33.7  | 62.1   | 126.2   | 279.0   |
| 361 Pottery, china, earthenware           |      | 10                                 | 8    | 8    | 10   |      | 7.0                                | 5.8    | 5.2    | 4.8   |      | 17.1  | 25.4   | 55.4    | 103.7   |
| 362 Glass and products                    |      | 10                                 | 12   | 10   | 10   |      | 18.9                               | 16.8   | 14.9   | 13.3  |      | 54.2  | 73.4   | 158.2   | 284.0   |
| 369 Other non-metallic mineral products   |      | 98                                 | 108  | 109  | 102  |      | 49.7                               | 36.8   | 29.8   | 23.4  |      | 139.0   | 158.1  | 371.2   | 591.6   |
| 371 Iron and steel                        |      | 5                                  | 10   | 10   | 9    |      | 35.0                               | 25.9   | 21.8   | 26.4  |      | 120.1   | 142.2  | 330.5   | 1029.3  |
| 372 Non-ferrous metals                    |      | 18                                 | 9    | 9    | 11   |      | a/                                 | 12.3   | 11.2   | 10.6  |      | 64.7  | 172.9  | 397.0   | 397.0   |
| 381 Fabricated metal products             |      | 120                                | 150  | 159  | 180  |      | 50.0                               | 82.2   | 66.0   | 51.1  |      | 141.6   | 335.6  | 718.8   | 1187.7  |
| 382 Non-electrical machinery              | b/   | 242                                | 365  | 389  | 390  | b/   | 158.8                              | 201.2  | 166.5  | 129.7 | b/   | 478.1   | 843.2  | 1704.6  | 2917.0  |
| 383 Electrical machinery                  |      | 132                                | 177  | 186  | 187  |      | 107.8                              | 146.2  | 114.2  | 87.4  |      | 297.3   | 556.1  | 1168.6  | 1767.9  |
| 384 Transport equipment                   |      | 121                                | 142  | 122  | 122  |      | 77.2                               | 83.1   | 67.7   | 57.5  |      | 235.5   | 371.6  | 892.4   | 1643.6  |
| 385 Professional and scientific equipment | b/   | -                                  | -    | -    | -    | b/   | -                                  | -      | -      | -     | b/   | -   | -      | -       | -       |
| 390 Other manufacturing industries        | c/   | 423                                | 556  | 622  | 439  | c/   | 206.2a/                            | 179.8  | 130.6  | 98.4  |      | -   | -      | -       | -       |
| 3 Total manufacturing                     | d/   | 1945                               | 2455 | 2601 | 2621 | d/   | 1256.2                             | 1320.0 | 1065.5 | 883.2 | d/   | 3312.6  | 5318.3 | 11613.7 | 20759.6 |

a/ 390 includes 372

c/ Including all industrial activities of co-operatives

b/ 382 includes 385

d/ Including repair services for the general public

## Bulgaria

| ISIC Industry                             | Note | Output<br>(million LEVA) |        |         |         | Note | Value added<br>(million LEVA) |      |      |      | Share of<br>value added<br>in output<br>(percentage) |      | Share of<br>wages and<br>salaries in<br>value added<br>(percentage) |      |
|---|------|--------------------------|--------|---------|---------|------|-------------------------------|------|------|------|--|------|---|------|
|   |      | 1985                     | 1990   | 1991    | 1992    |      | 1985                          | 1990 | 1991 | 1992 | 1985   | 1992 | 1985  | 1992 |
| 311/2 Food Products                       |      |                          | 9893   | 23350   | 31395   |      |                               |      |      |      |  |      |   |      |
| 313 Beverages                             |      |                          | 1592   | 4811    | 7232    |      |                               |      |      |      |  |      |   |      |
| 314 Tobacco                               |      |                          | 1805   | 8048    | 10843   |      |                               |      |      |      |  |      |   |      |
| 321 Textiles                              |      |                          | 3316   | 6676    | 9244    |      |                               |      |      |      |  |      |   |      |
| 322 Wearing apparel, except footwear      |      |                          | 1489   | 2547    | 3588    |      |                               |      |      |      |  |      |   |      |
| 323 Leather and fur products              |      |                          | 410    | 920     | 1331    |      |                               |      |      |      |  |      |   |      |
| 324 Footwear, except rubber or plastic    |      |                          | 433    | 1071    | 1883    |      |                               |      |      |      |  |      |   |      |
| 331 Wood products, except furniture       | a/   |                          | 634    | 1963    | 2621    |      |                               |      |      |      |  |      |   |      |
| 332 Furniture and fixtures, excl. metal   |      |                          | 614    | 1504    | 2048    |      |                               |      |      |      |  |      |   |      |
| 341 Paper and products                    |      |                          | 636    | 3122    | 2835    |      |                               |      |      |      |  |      |   |      |
| 342 Printing and publishing               |      |                          | 326    | 1317    | 942     |      |                               |      |      |      |  |      |   |      |
| 351 Industrial chemicals                  |      |                          | 1420   | 9067    | 11208   |      |                               |      |      |      |  |      |   |      |
| 352 Other chemicals                       |      |                          | 1566   | 8389    | 8523    |      |                               |      |      |      |  |      |   |      |
| 353 Petroleum refineries                  |      |                          | -      | -       | -       |      |                               |      |      |      |  |      |   |      |
| 354 Misc. petroleum and coal products     |      |                          | 2677   | 13675   | 18217   |      |                               |      |      |      |  |      |   |      |
| 355 Rubber products                       |      |                          | 717    | 2075    | 2741    |      |                               |      |      |      |  |      |   |      |
| 356 Plastic products                      |      |                          | 659    | 1962    | 2878    |      |                               |      |      |      |  |      |   |      |
| 361 Pottery, china, earthenware           |      |                          | 144    | 460     | 800     |      |                               |      |      |      |  |      |   |      |
| 362 Glass and products                    |      |                          | 415    | 1293    | 1802    |      |                               |      |      |      |  |      |   |      |
| 369 Other non-metallic mineral products   |      |                          | 1557   | 3843    | 4826    |      |                               |      |      |      |  |      |   |      |
| 371 Iron and steel                        |      |                          | 1607   | 9280    | 8663    |      |                               |      |      |      |  |      |   |      |
| 372 Non-ferrous metals                    |      |                          | 841    | 3880    | 5354    |      |                               |      |      |      |  |      |   |      |
| 381 Fabricated metal products             |      |                          | 2222   | 5708    | 8052    |      |                               |      |      |      |  |      |   |      |
| 382 Non-electrical machinery              |      |                          | 6084b/ | 10398b/ | 11941b/ |      |                               |      |      |      |  |      |   |      |
| 383 Electrical machinery                  |      |                          | 4060   | 11150   | 11428   |      |                               |      |      |      |  |      |   |      |
| 384 Transport equipment                   |      |                          | 2993   | 6232    | 7821    |      |                               |      |      |      |  |      |   |      |
| 385 Professional and scientific equipment |      |                          | b/     | b/      | b/      |      |                               |      |      |      |  |      |   |      |
| 390 Other manufacturing industries        |      |                          | 4403   | 8363    | 11234   |      |                               |      |      |      |  |      |   |      |
| 3 Total manufacturing                     |      |                          | 52513  | 151094  | 189449  |      |                               |      |      |      |  |      |   |      |

a/ Including logging

b/ 382 includes 385

## Bulgaria

| ISIC Industry                             | Note | Gross fixed capital formation |        |        |          | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|--------|--------|----------|------|--|------|------|------|------|------|------|------|
|   |      | (million LEVA)                |        |        |          |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990   | 1991   | 1992     |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      | 114.2                         | 192.4  | 563.4  | 10433.7  |      | 102                                    | 104  | 107  | 106  | 109  | 112  | 102  | 73   |
| 313 Beverages                             |      | 16.2                          | 29.9   | 166.4  | 4372.2   |      | 122                                    | 116  | 109  | 109  | 117  | 114  | 110  |      |
| 314 Tobacco                               |      | 14.6                          | 10.6   | 34.3   | 4828.8   |      | 103                                    | 111  | 107  | 109  | 110  | 103  | 82   | 99   |
| 321 Textiles                              |      | 42.3                          | 184.2  | 563.7  | 8538.1   |      | 116                                    | 111  | 114  | 121  | 126  | 132  | 130  | 89   |
| 322 Wearing apparel, except footwear      |      | 16.2                          | 32.5   | 291.7  | 1636.1   |      | 117                                    | 121  | 148  | 145  | 168  | 163  | 177  | 162  |
| 323 Leather and fur products              |      | 2.3                           | 19.2   | 48.1   | 580.6    |      | 126                                    | 131  | 133  | 139  | 148  | 169  | 133  | 108  |
| 324 Footwear, except rubber or plastic    |      | 6.3                           | 29.3   | 60.8   | 614.4    |      | 123                                    | 140  | 150  | 161  | 180  | 211  | 182  | 167  |
| 331 Wood products, except furniture       |      | 17.3                          | 33.3   | 27.5   | 1919.0   |      | 103                                    | 104  | 102  | 104  | 108  | 109  | 97   | 68   |
| 332 Furniture and fixtures, excl. metal   |      | 9.2                           | 22.1   | 33.9   | 913.7    |      | 146                                    | 149  | 156  | 166  | 170  | 174  | 151  | 140  |
| 341 Paper and products                    |      | 31.7                          | 71.9   | 119.7  | 1415.6   |      | 112                                    | 118  | 116  | 117  | 123  | 117  | 94   | 67   |
| 342 Printing and publishing               |      | 2.4                           | 13.2   | 73.0   | 850.4    | a/   | 106                                    | 109  | 109  | 113  | 114  | 130  | 130  | 140  |
| 351 Industrial chemicals                  |      | 37.2                          | 119.3  | 632.4  | 13763.4  |      | 146                                    | 142  | 140  | 133  | 134  | 136  | 124  | 102  |
| 352 Other chemicals                       |      | 60.7                          | 82.2   | 106.2  | 5160.6   |      | 164                                    | 167  | 197  | 204  | 211  | 214  | 166  | 209  |
| 353 Petroleum refineries                  |      | ...                           | ...    | ...    | ...      |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 354 Misc. petroleum and coal products     |      | 49.5                          | 12.2   | 121.7  | 10809.0  |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 355 Rubber products                       |      | 35.8                          | 40.6   | 22.8   | 3836.3   |      | 137                                    | 142  | 151  | 162  | 171  | 178  | 146  | 107  |
| 356 Plastic products                      |      | 12.9                          | 35.8   | 48.8   | 2071.8   |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 361 Pottery, china, earthenware           |      | 21.4                          | 21.5   | 71.6   | 774.1    |      | 91                                     | 91   | 101  | 111  | 121  | 117  | 130  | 123  |
| 362 Glass and products                    |      | 34.1                          | 40.1   | 9.5    | 1315.0   |      | 113                                    | 116  | 113  | 116  | 114  | 113  | 110  | 84   |
| 369 Other non-metallic mineral products   |      | 29.5                          | 73.2   | 65.2   | 2406.6   |      | 110                                    | 108  | 116  | 111  | 110  | 102  | 83   | 61   |
| 371 Iron and steel                        |      | 151.8                         | 81.9   | 33.2   | 4197.9   |      | 117                                    | 116  | 119  | 120  | 123  | 119  | 66   | 37   |
| 372 Non-ferrous metals                    |      | b/                            | 24.6   | 72.0   | 4241.6   |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 381 Fabricated metal products             |      | 76.1                          | 44.4   | 248.4  | 6386.4   |      | 117                                    | 124  | 127  | 134  | 139  | 114  | 101  | 99   |
| 382 Non-electrical machinery              | c/   | 551.9                         | 253.6  | 908.3  | 16962.3  |      | 143                                    | 163  | 191  | 207  | 230  | 236  | 169  | 116  |
| 383 Electrical machinery                  |      | 107.5                         | 133.6  | 366.7  | 8792.0   |      | 160                                    | 167  | 170  | 202  | 223  | 199  | 156  | 110  |
| 384 Transport equipment                   |      | 106.1                         | 96.1   | 496.5  | 7133.2   |      | 121                                    | 128  | 130  | 133  | 136  | 146  | 121  | 80   |
| 385 Professional and scientific equipment | c/   | ...                           | ...    | ...    | ...      |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 390 Other manufacturing industries        | d/   | 66.2b/                        | 89.9   | 143.5  | 1971.9   |      | 88                                     | 91   | 92   | 94   | 103  | 108  | 100  | 74   |
| 3 Total manufacturing                     | e/   | 1611.4                        | 1787.6 | 6319.3 | 125803.7 |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |

a/ Excluding publishing

c/ 382 includes 385

e/ Including repair services for the general public

b/ 390 includes 372

d/ Including all industrial activities of co-operatives

## BURUNDI

|  |   |
|--|---|
| <p><b>Supplier of information:</b><br/>Institut de statistiques et d' études économiques, Bujumbura.</p> <p><b>Basic source of data:</b><br/>Annual survey of industrial and commercial enterprises.</p> <p><b>Major deviations from current version of ISIC:</b><br/>None reported.</p> <p><b>Reference period (if not calendar year):</b></p> <p><b>Scope:</b><br/>Enterprises with annual turnover of 10 millions CFA francs or more.</p> <p><b>Method of enumeration:</b><br/>Complete enumeration.</p> <p><b>Adjusted for non-response:</b><br/>Yes</p> | <p><b>Concepts and definitions of variables:</b><br/>No deviations from the standard UN concepts and definitions are reported.</p> <p><b>Related national publications:</b></p> |
|--|---|

## Burundi

| ISIC Industry                             | Note | Number of enterprises<br>(numbers) |      |      |      | Note | Number of employees<br>(numbers) |       |       |      | Note  | Wages and salaries paid to employees<br>(million FRANCS) |       |      |      |
|---|------|------------------------------------|------|------|------|------|----------------------------------|-------|-------|------|-------|--|-------|------|------|
|   |      | 1985                               | 1989 | 1990 | 1991 |      | 1985                             | 1989  | 1990  | 1991 |       | 1985   | 1989  | 1990 | 1991 |
| 311/2 Food Products                       |      |                                    | 26   | 24   | 37   |      | 1068                             | 1411  | 1620  |      | 431 0 | 399 0  | 953 0 |      |      |
| 313 Beverages                             |      |                                    | 3    | 3    | 2    |      | 775                              | 722   | 654   |      | 828 3 | 850 4  | 901 4 |      |      |
| 314 Tobacco                               |      |                                    | 1    | 1    | 1    |      | 172                              | 181   | 180   |      | 186 4 | 247 6  | 272 0 |      |      |
| 321 Textiles                              |      |                                    | 3    | 3    | 3    |      | 1874                             | 2070  | 2070  |      | 656 6 | 812 0  | 860 0 |      |      |
| 322 Wearing apparel, except footwear      |      |                                    | 7    | 6    | 8    |      | 225                              | 220   | 220   |      |       |  |       |      |      |
| 323 Leather and fur products              |      |                                    | 1    | 1    | 1    |      | 22                               | 17    | 14    |      |       |  |       |      |      |
| 324 Footwear, except rubber or plastic    |      |                                    | 1    | 1    | 1    |      | 27                               | 27    | 47    |      |       |  |       |      |      |
| 331 Wood products, except furniture       |      |                                    | 2a/  | 2a/  | 3a/  |      | 211a/                            | 393a/ | 393a/ |      |       |  |       |      |      |
| 332 Furniture and fixtures, excl metal    |      |                                    | a/   | a/   | a/   |      | a/                               | a/    | a/    |      |       |  |       |      |      |
| 341 Paper and products                    |      |                                    | 2    | 2    | 2    |      | 83                               | 83    | 81    |      |       |  |       |      |      |
| 342 Printing and publishing               |      |                                    | 6    | 6    | 9    |      | 219                              | 265   | 265   |      | 77 7  | 86 6   | 97 0  |      |      |
| 351 Industrial chemicals                  |      |                                    | 2    | 2    | 2    |      | 186                              | 190   | 189   |      | 69 1  | 70 2   | 74 4  |      |      |
| 352 Other chemicals                       |      |                                    | 7    | 8    | 8    |      | 327                              | 328   | 331   |      | 181 7 | 167 3  | 181 7 |      |      |
| 353 Petroleum refineries                  |      |                                    | -    | -    | -    |      | -                                | -     | -     |      | -     | -  | -     |      |      |
| 354 Misc petroleum and coal products      |      |                                    | -    | -    | -    |      | -                                | -     | -     |      | -     | -  | -     |      |      |
| 355 Rubber products                       |      |                                    | -    | -    | -    |      | -                                | -     | -     |      | -     | -  | -     |      |      |
| 356 Plastic products                      |      |                                    | 3    | 3    | 3    |      | 89                               | 83    | 81    |      | 34 1  | 34 7   | 36 8  |      |      |
| 361 Pottery, china, earthenware           |      |                                    | -    | -    | -    |      | -                                | -     | -     |      | -     | -  | -     |      |      |
| 362 Glass and products                    |      |                                    | -    | -    | -    |      | -                                | -     | -     |      | -     | -  | -     |      |      |
| 369 Other non-metallic mineral products   |      |                                    | 1    | 1    | 1    |      | -                                | -     | -     |      | 88 2  | 89 6   | 94 9  |      |      |
| 371 Iron and steel                        |      |                                    | -    | -    | -    |      | -                                | -     | -     |      | -     | -  | -     |      |      |
| 372 Non-ferrous metals                    |      |                                    | -    | -    | -    |      | -                                | -     | -     |      | -     | -  | -     |      |      |
| 381 Fabricated metal products             |      |                                    | 8    | 8    | 9    |      | 312                              | 355   | 340   |      | -     | -  | -     |      |      |
| 382 Non-electrical machinery              |      |                                    | -    | -    | -    |      | -                                | -     | -     |      | -     | -  | -     |      |      |
| 383 Electrical machinery                  |      |                                    | -    | -    | -    |      | -                                | -     | -     |      | -     | -  | -     |      |      |
| 384 Transport equipment                   |      |                                    | -    | -    | -    |      | -                                | -     | -     |      | -     | -  | -     |      |      |
| 385 Professional and scientific equipment |      |                                    | -    | -    | -    |      | -                                | -     | -     |      | -     | -  | -     |      |      |
| 390 Other manufacturing industries        |      |                                    | 4    | 4    | 4    |      | 29                               | 46    | 50    |      | -     | -  | -     |      |      |
| 3 Total manufacturing                     |      |                                    | 77   | 75   | 94   |      |                                  |       |       |      |       |  |       |      |      |

a/ 331 includes 332



## Burundi

| ISIC Industry                             | Note | Output           |        |        |        | Note | Value added in producers' prices |           |         |       | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|------------------|--------|--------|--------|------|----------------------------------|-----------|---------|-------|--------------------------------|------|--|------|
|   |      | (million FRANCS) |        |        |        |      | (million FRANCS)                 |           |         |       | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985             | 1989   | 1990   | 1991   |      | 1985                             | 1989      | 1990    | 1991  | 1985                           | 1991 | 1985                                       | 1991 |
| 311/2 Food Products                       |      |                  |        |        |        |      | 9928.5                           | 10096.7   | 11640.9 |       |                                |      | 8.2  |      |
| 313 Beverages                             |      |                  |        |        |        |      | 3796.4                           | 3861.1    | 4461.6  |       |                                |      | 20.2                                       |      |
| 314 Tobacco                               |      |                  |        |        |        |      | 918.9                            | 934.8     | 1077.7  |       |                                |      | 25.2                                       |      |
| 321 Textiles                              |      |                  |        | 3015.0 | 3263.7 |      | 1039.1                           | 1458.9    | 1833.6  |       | 50.1                           |      | 52.8                                       |      |
| 322 wearing apparel, except footwear      |      |                  | 301.0  | 358.3  | 426.5  |      |                                  |           |         |       |                                |      |  |      |
| 323 Leather and fur products              |      |                  |        |        |        |      |                                  |           |         |       |                                |      |  |      |
| 324 Footwear, except rubber or plastic    |      |                  |        |        |        |      |                                  |           |         |       |                                |      |  |      |
| 331 Wood products, except furniture       |      |                  |        |        |        |      |                                  | 109.5a/a/ |         |       |                                |      |  |      |
| 332 Furniture and fixtures, excl metal    |      |                  |        |        |        |      |                                  |           |         |       |                                |      |  |      |
| 341 Paper and products                    |      |                  | 15.7   |        |        |      |                                  | 14.0      |         |       |                                |      |  |      |
| 342 Printing and publishing               |      |                  | 138.2  |        |        |      |                                  | 99.9      | 112.1   | 149.4 |                                |      | 64.9                                       |      |
| 351 Industrial chemicals                  |      |                  | 3670.8 | 2551.8 | 2509.1 |      |                                  | 85.3      | 78.3    | 82.6  |                                | 3.3  | 90.1                                       |      |
| 352 Other chemicals                       |      |                  | 2456.2 | 2019.9 | 2069.2 |      |                                  | 219.2     | 222.7   | 236.1 |                                | 11.4 | 77.0                                       |      |
| 353 Petroleum refineries                  |      |                  |        |        |        |      |                                  |           |         |       |                                |      |  |      |
| 354 Misc petroleum and coal products      |      |                  |        |        |        |      |                                  |           |         |       |                                |      |  |      |
| 355 Rubber products                       |      |                  |        |        |        |      |                                  |           |         |       |                                |      |  |      |
| 356 Plastic products                      |      |                  | 256.8  | 230.3  | 231.2  |      |                                  | 84.8      | 78.1    | 84.8  |                                | 36.7 | 43.4                                       |      |
| 361 Pottery, china, earthenware           |      |                  |        |        |        |      |                                  |           |         |       |                                |      |  |      |
| 362 Glass and products                    |      |                  |        |        |        |      |                                  |           |         |       |                                |      |  |      |
| 369 Other non-metallic mineral products   |      |                  | 690.0  | 616.6  | 644.7  |      |                                  | 303.9     | 279.9   | 304.0 |                                | 47.2 | 31.2                                       |      |
| 371 Iron and steel                        |      |                  |        |        |        |      |                                  |           |         |       |                                |      |  |      |
| 372 Non-ferrous metals                    |      |                  |        |        |        |      |                                  |           |         |       |                                |      |  |      |
| 381 Fabricated metal products             |      |                  | 3019.4 | 3319.6 | 3649.1 |      |                                  | 496.5     | 418.8   | 443.9 |                                | 12.2 |  |      |
| 382 Non-electrical machinery              |      |                  |        |        |        |      |                                  |           |         |       |                                |      |  |      |
| 383 Electrical machinery                  |      |                  |        |        |        |      |                                  |           |         |       |                                |      |  |      |
| 384 Transport equipment                   |      |                  |        |        |        |      |                                  |           |         |       |                                |      |  |      |
| 385 Professional and scientific equipment |      |                  |        |        |        |      |                                  |           |         |       |                                |      |  |      |
| 390 Other manufacturing industries        |      |                  |        |        |        |      |                                  |           |         |       |                                |      |  |      |
| 3 Total manufacturing                     |      |                  |        |        |        |      |                                  |           |         |       |                                |      |  |      |

a/ 331 includes 332

## Burundi

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|------|------|--|------|------|------|------|------|------|------|
|   |      | (million FRANCS)              |      |      |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1989 | 1990 | 1991 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 313 Beverages                             |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 314 Tobacco                               |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 321 Textiles                              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 322 Wearing apparel, except footwear      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 323 Leather and fur products              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 332 Furniture and fixtures, excl metal    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 342 Printing and publishing               |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 352 Other chemicals                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 354 Misc petroleum and coal products      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 356 Plastic products                      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 362 Glass and products                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 382 Non-electrical machinery              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 384 Transport equipment                   |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 385 Professional and scientific equipment |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |

## CAMEROON

**Supplier of information:**

Direction de la statistique et de la comptabilité nationale, Ministère de l'économie et du plan, Yaoundé

**Basic source of data:**

Annual industrial survey.

**Major deviations from current version of ISIC:**

Data collected under the national classification system have been reclassified by the national authorities to achieve the best possible correspondence with the current version of the ISIC. Lack of detail in national data, however, results in several cases where correspondence with the ISIC cannot be achieved.

Repair of bicycles and motorcycles (part of ISIC major division 9) is included in ISIC 384.

**Reference period (if not calendar year):**

Fiscal year ending 30 June of the year indicated.

**Scope:**

All industrial enterprises in the modern sector which keep accounting records.

**Method of enumeration:**

Questionnaires distributed by mail with follow-up site visits as required.

**Adjusted for non-response:**

No.

**Concepts and definitions of variables:**

Number of employees relates only to regular employees.

Wages and salaries refers to gross payments in cash and in kind made to regular employees during the year.

Output is equal to the value of sales of goods and services produced, including goods purchased for resale without further processing, and excludes the value of goods and capital assets produced by the enterprise for its own use.

Value added is the value of all products and services rendered by the enterprise, including the value of fixed capital assets produced on own account and the net change in the value of work in progress less the costs of intermediate goods and services.

**Related national publications:**

Résultats des recensements industriels et commerciaux (occasional), published by the Direction de la statistique et de la comptabilité nationale, Ministère de l'économie et du plan, Yaoundé.

## Cameroon

| ISIC Industry                             | Number of enterprises |           |      |      | Number of employees |      |           |         | Wages and salaries paid to employees |      |      |                      |         |         |      |
|---|-----------------------|-----------|------|------|---------------------|------|-----------|---------|--------------------------------------|------|------|----------------------|---------|---------|------|
|   | Note                  | (numbers) |      |      |                     | Note | (numbers) |         |                                      |      | Note | (million CFA FRANCS) |         |         |      |
|   |                       | 1985      | 1988 | 1989 | 1990                |      | 1985      | 1988    | 1989                                 | 1990 |      | 1985                 | 1988    | 1989    | 1990 |
| 311/2 Food Products                       |                       |           |      | 43   | 38                  |      |           | 16972   | 14618                                |      |      |                      | 18254   | 15443   |      |
| 313 Beverages                             |                       |           |      | 9    | 7                   |      |           | 7712    | 7127                                 |      |      |                      | 22489   | 23066   |      |
| 314 Tobacco                               |                       |           |      | 3    | 3                   |      |           | 1219    | 1044                                 |      |      |                      | 3200    | 2976    |      |
| 321 Textiles                              |                       |           |      | 14a/ | 14a/                |      |           | 5608a/  | 5029a/                               |      |      |                      | 11188a/ | 10092a/ |      |
| 322 Wearing apparel, except footwear      |                       |           |      | a/   | a/                  |      |           | a/      | a/                                   |      |      |                      | a/      | a/      |      |
| 323 Leather and fur products              |                       |           |      | 7b/  | 7b/                 |      |           | 647b/   | 709b/                                |      |      |                      | 1475b/  | 1327b/  |      |
| 324 Footwear, except rubber or plastic    |                       |           |      | b/   | b/                  |      |           | b/      | b/                                   |      |      |                      | b/      | b/      |      |
| 331 Wood products, except furniture       |                       |           |      | 29c/ | 25c/                |      |           | 6726c/  | 6809c/                               |      |      |                      | 11690c/ | 12414c/ |      |
| 332 Furniture and fixtures, excl metal    |                       |           |      | c/   | c/                  |      |           | c/      | c/                                   |      |      |                      | c/      | c/      |      |
| 341 Paper and products                    |                       |           |      | 7    | 8                   |      |           | 811     | 654                                  |      |      |                      | 1733    | 1267    |      |
| 342 Printing and publishing               |                       |           |      | 11   | 8                   |      |           | 1436    | 1289                                 |      |      |                      | 3194    | 2948    |      |
| 351 Industrial chemicals                  |                       |           |      | 18d/ | 15d/                |      |           | 2198d/  | 1649d/                               |      |      |                      | 5166d/  | 4496d/  |      |
| 352 Other chemicals                       |                       |           |      | d/   | d/                  |      |           | d/      | d/                                   |      |      |                      | d/      | d/      |      |
| 353 Petroleum refineries                  |                       |           |      | 2e/  | 2e/                 |      |           | 476e/   | 476e/                                |      |      |                      | 3979e/  | 3826e/  |      |
| 354 Misc. petroleum and coal products     |                       |           |      | e/   | e/                  |      |           | e/      | e/                                   |      |      |                      | e/      | e/      |      |
| 355 Rubber products                       |                       |           |      | 11f/ | 15f/                |      |           | 21794f/ | 6967f/                               |      |      |                      | 13986f/ | 6216f/  |      |
| 356 Plastic products                      |                       |           |      | f/   | f/                  |      |           | f/      | f/                                   |      |      |                      | f/      | f/      |      |
| 361 Pottery, china, earthenware           |                       |           |      | 3g/  | 2g/                 |      |           | 739g/   | 697g/                                |      |      |                      | 2796g/  | 3396g/  |      |
| 362 Glass and products                    |                       |           |      | g/   | g/                  |      |           | g/      | g/                                   |      |      |                      | g/      | g/      |      |
| 369 Other non-metallic mineral products   |                       |           |      | g/   | g/                  |      |           | g/      | g/                                   |      |      |                      | g/      | g/      |      |
| 371 Iron and steel                        |                       |           |      | 4h/  | 5h/                 |      |           | 1635h/  | 1420h/                               |      |      |                      | 6810h/  | 6536h/  |      |
| 372 Non-ferrous metals                    |                       |           |      | h/   | h/                  |      |           | h/      | h/                                   |      |      |                      | h/      | h/      |      |
| 381 Fabricated metal products             |                       |           |      | 14i/ | 12i/                |      |           | 911i/   | 829i/                                |      |      |                      | 2014i/  | 2108i/  |      |
| 382 Non-electrical machinery              |                       |           |      | i/   | i/                  |      |           | i/      | i/                                   |      |      |                      | i/      | i/      |      |
| 383 Electrical machinery                  |                       |           |      | 5    | 8                   |      |           | 688     | 690                                  |      |      |                      | 1740    | 1660    |      |
| 384 Transport equipment                   |                       |           |      | 4    | 4                   |      |           | 384     | 260                                  |      |      |                      | 1068    | 698     |      |
| 385 Professional and scientific equipment |                       |           |      | -    | -                   |      |           | -       | -                                    |      |      |                      | -       | -       |      |
| 390 Other manufacturing industries        |                       |           |      | 3    | 1                   |      |           | 428     | 234                                  |      |      |                      | 1134    | 729     |      |
| 3 Total manufacturing                     |                       |           |      | 187  | 174                 |      |           | 70383   | 60491                                |      |      |                      | 111796  | 100096  |      |

a/ 321 includes 322  
c/ 331 includes 332  
e/ 353 includes 354  
g/ 361 includes 362 and 369  
i/ 381 includes 382

b/ 323 includes 324  
d/ 351 includes 352  
f/ 355 includes 356  
h/ 371 includes 372

## Cameroon

| ISIC Industry                             | Note | Output in producers' prices<br>(million CFA FRANCS) |      |          |          | Note | Value added in producers' prices<br>(million CFA FRANCS) |         |         |      | Share of value added in output<br>(percentage) |       | Share of wages and salaries in value added<br>(percentage) |      |
|---|------|---|------|----------|----------|------|--|---------|---------|------|--|-------|--|------|
|   |      | 1985  | 1988 | 1989     | 1990     |      | 1985   | 1988    | 1989    | 1990 | 1985   | 1990  | 1985   | 1990 |
|   |      | 311/2 Food Products                                 |      |          |          |      | 114922   | 103091  |         |      | 19624  | 50420 | 48.9   |      |
| 313 Beverages                             |      |   |      | 164441   | 148617   |      |  | 73373   | 80085   | 53.9 |  | 28.8  |  |      |
| 314 Tobacco                               |      |   |      | 23267    | 20305    |      |  | 7318    | 6292    | 31.0 |  | 47.3  |  |      |
| 321 Textiles                              |      |   |      | 67405a/  | 67999a/  |      |  | 9691a/  | 30870a/ |      |  |       |  |      |
| 322 Wearing apparel, except footwear      |      |   |      | a/       | a/       |      |  | a/      | a/      |      |  |       |  |      |
| 323 Leather and fur products              |      |   |      | 6507b/   | 5722b/   |      |  | 1934b/  | 2122b/  | 37.1 |  | 62.5  |  |      |
| 324 Footwear, except rubber or plastic    |      |   |      | b/       | b/       |      |  | b/      | b/      |      |  |       |  |      |
| 331 Wood products, except furniture       |      |   |      | 56928c/  | 66159c/  |      |  | 29829c/ | 23588c/ | 35.7 |  | 52.6  |  |      |
| 332 Furniture and fixtures, excl metal    |      |   |      | c/       | c/       |      |  | c/      | c/      |      |  |       |  |      |
| 341 Paper and products                    |      |   |      | 10571    | 11012    |      |  | 2131    | 2968    | 27.0 |  | 42.7  |  |      |
| 342 Printing and publishing               |      |   |      | 7197     | 5654     |      |  | 1962    | 1684    | 29.8 |  |       |  |      |
| 351 Industrial chemicals                  |      |   |      | 38657d/  | 33536d/  |      |  | 12541d/ | 10232d/ | 30.5 |  | 43.9  |  |      |
| 352 Other chemicals                       |      |   |      | d/       | d/       |      |  | d/      | d/      |      |  |       |  |      |
| 353 Petroleum refineries                  |      |   |      | 103870e/ | 106397e/ |      |  | 19278e/ | 30931e/ | 29.1 |  | 12.4  |  |      |
| 354 Misc petroleum and coal products      |      |   |      | e/       | e/       |      |  | e/      | e/      |      |  |       |  |      |
| 355 Rubber products                       |      |   |      | 34051f/  | 17527f/  |      |  | 12313f/ | 7029f/  | 40.1 |  | 88.4  |  |      |
| 356 Plastic products                      |      |   |      | f/       | f/       |      |  | f/      | f/      |      |  |       |  |      |
| 361 Pottery, china, earthenware           |      |   |      | 22765g/  | 22184g/  |      |  | 4939g/  | 8074g/  | 36.4 |  | 42.0  |  |      |
| 362 Glass and products                    |      |   |      | g/       | g/       |      |  | g/      | g/      |      |  |       |  |      |
| 369 Other non-metallic mineral products   |      |   |      | g/       | g/       |      |  | g/      | g/      |      |  |       |  |      |
| 371 Iron and steel                        |      |   |      | 80783h/  | 68131h/  |      |  | 26632h/ | 14397h/ | 21.1 |  | 45.4  |  |      |
| 372 Non-ferrous metals                    |      |   |      | h/       | h/       |      |  | h/      | h/      |      |  |       |  |      |
| 381 Fabricated metal products             |      |   |      | 12944i/  | 16176i/  |      |  | 10770i/ | 13133i/ | 81.2 |  | 16.1  |  |      |
| 382 Non-electrical machinery              |      |   |      | i/       | i/       |      |  | i/      | i/      |      |  |       |  |      |
| 383 Electrical machinery                  |      |   |      | 8164     | 10380    |      |  | 1864    | 2449    | 23.6 |  | 67.8  |  |      |
| 384 Transport equipment                   |      |   |      | 5169     | 3084     |      |  | 1278    | 711     | 23.1 |  | 84.1  |  |      |
| 385 Professional and scientific equipment |      |   |      | -        | -        |      |  | -       | -       |      |  |       |  |      |
| 390 Other manufacturing industries        |      |   |      | 5742     | 3780     |      |  | 1638    | 1612    | 42.6 |  | 45.2  |  |      |
| 3 Total manufacturing                     |      |   |      | 763383   | 709754   |      |  | 237115  | 224857  | 31.7 |  | 44.5  |  |      |

a/ 321 includes 322  
c/ 331 includes 332  
e/ 353 includes 354  
g/ 361 includes 362 and 369  
i/ 381 includes 382

b/ 323 includes 324  
d/ 351 includes 352  
f/ 355 includes 356  
h/ 371 includes 372

## Cameroon

| ISIC Industry                             | Gross fixed capital formation |                      |      |         | Index numbers of industrial production |      |            |      |      |      |      |      |      |      |      |  |
|---|-------------------------------|----------------------|------|---------|--|------|------------|------|------|------|------|------|------|------|------|--|
|   | Note                          | (million CFA FRANCS) |      |         |  | Note | (1980=100) |      |      |      |      |      |      |      |      |  |
|   |                               | 1985                 | 1988 | 1989    | 1990                                   |      | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |  |
| 311/2 Food Products                       |                               | ...                  | ...  | 12744   | 8896                                   |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 313 Beverages                             |                               | ...                  | ...  | 16106   | 8363                                   |      | 211        | 248  | 294  | 311  | 282  | 254  | 236  | ...  | ...  |  |
| 314 Tobacco                               |                               | ...                  | ...  | 970     | 3927                                   |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 321 Textiles                              |                               | ...                  | ...  | 1300a/  | 43189a/                                |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 322 Wearing apparel, except footwear      |                               | ...                  | ...  | ...a/   | ...a/                                  |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 323 Leather and fur products              |                               | ...                  | ...  | 63b/    | 31893b/                                |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 324 Footwear, except rubber or plastic    |                               | ...                  | ...  | ...b/   | ...b/                                  |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 331 Wood products, except furniture       |                               | ...                  | ...  | 86396c/ | 72528c/                                |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 332 Furniture and fixtures, excl. metal   |                               | ...                  | ...  | ...c/   | ...c/                                  |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 341 Paper and products                    |                               | ...                  | ...  | 637     | 2310                                   |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 342 Printing and publishing               |                               | ...                  | ...  | 462     | 269                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 351 Industrial chemicals                  |                               | ...                  | ...  | 1346d/  | 2062d/                                 |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 352 Other chemicals                       |                               | ...                  | ...  | ...d/   | ...d/                                  |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 353 Petroleum refineries                  |                               | ...                  | ...  | 6039e/  | 2062e/                                 |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 354 Misc. petroleum and coal products     |                               | ...                  | ...  | ...e/   | ...e/                                  |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 355 Rubber products                       |                               | ...                  | ...  | 13093f/ | 5286f/                                 |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 356 Plastic products                      |                               | ...                  | ...  | ...f/   | ...f/                                  |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 361 Pottery, china, earthenware           |                               | ...                  | ...  | 719g/   | 638g/                                  |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 362 Glass and products                    |                               | ...                  | ...  | ...g/   | ...g/                                  |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 369 Other non-metallic mineral products   |                               | ...                  | ...  | ...g/   | ...g/                                  |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 371 Iron and steel                        |                               | ...                  | ...  | 1767h/  | 1561h/                                 |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 372 Non-ferrous metals                    |                               | ...                  | ...  | ...h/   | ...h/                                  |      | 188        | 210  | 194  | 168  | 196  | 212  | 216  | 209  | ...  |  |
| 381 Fabricated metal products             |                               | ...                  | ...  | 2332i/  | 9258i/                                 |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 382 Non-electrical machinery              |                               | ...                  | ...  | ...i/   | ...i/                                  |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 383 Electrical machinery                  |                               | ...                  | ...  | 99      | 249                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 384 Transport equipment                   |                               | ...                  | ...  | 244     | 114                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 385 Professional and scientific equipment |                               | ...                  | ...  | -       | -                                      |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 390 Other manufacturing industries        |                               | ...                  | ...  | 300     | 82                                     |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 3 Total manufacturing                     |                               | ...                  | ...  | 143815  | 192664                                 |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |

a/ 321 includes 322

c/ 331 includes 332

e/ 353 includes 354

g/ 361 includes 362 and 359

i/ 381 includes 382

b/ 323 includes 324

d/ 351 includes 362

f/ 365 includes 366

h/ 371 includes 372

## CANADA

**Supplier of information:**

Statistics Canada, Ottawa.

Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

**Basic source of data:**

Census of manufactures.

**Major deviations from current version of ISIC:**

Data have been regrouped to ISIC(Rev.2) from the Canadian Standard Industrial Classification (1980), which has been in use since 1983. There are no major deviations from the current version of the ISIC.

**Reference period (if not calendar year):****Scope:**

All establishments.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of employees refers to the average number of employees throughout the year, whether full-or part-time.

Wages and salaries paid to employees includes: regular and overtime cash payments; bonuses and cost-of-living allowances; vacation and sick leave pay; taxes and social insurance contributions, etc. payable by employees and deduced by employers; payments in kind, and allowances.

Output is gross output including all products, work done on own account, manufacturing services rendered, goods shipped in the same condition as received, electricity sold, fixed assets produced for own use, goods made by homeworkers and handicraft workers if the establishment has a pay deduction number, and revenue from rental of own products, allowing for net changes of work in progress and in stocks of finished goods.

Value added is based on the census concept. It is calculated as gross output less the cost of materials, fuels and other supplies, goods shipped in the same condition as received and electricity purchased. It includes receipts for various non-industrial services, but does not include interest or rental other than on machinery produced and rented. The cost of non-industrial services is not deducted.

**Related national publications:**

Annual Census of Manufactures, published by Statistics Canada, Ottawa.

## Canada

| ISIC Industry   | Note | Number of establishments<br>(numbers) |      |      |      | Note | Number of employees<br>(thousands) |      |      |      | Note | Wages and salaries paid<br>to employees<br>(million DOLLARS) |      |      |      |
|---|------|---------------------------------------|------|------|------|------|------------------------------------|------|------|------|------|--|------|------|------|
|   |      | 1985                                  | 1990 | 1991 | 1992 |      | 1985                               | 1990 | 1991 | 1992 |      | 1985   | 1990 | 1991 | 1992 |
| 311/2 Food Products   |      | 3228                                  | 3397 | 3176 | 3068 |      | 190                                | 198  | 192  | 195  |      | 4400   | 5639 | 6662 | 6906 |
| 3111 Slaughtering, preparing & preserving meat              |      | 631                                   | 632  | 607  | 576  |      | 42                                 | 46   | 45   | 46   |      | 1008   | 1302 | 1304 | 1361 |
| 3112 Dairy products   |      | 394                                   | 339  | 316  | 308  |      | 25                                 | 25   | 26   | 25   |      | 663  | 823  | 847  | 856  |
| 3113 Canning, preserving of fruits & vegetables             |      | 222                                   | 226  | 206  | 204  |      | 17                                 | 18   | 17   | 19   |      | 360  | 497  | 491  | 532  |
| 3114 Canning, preserving and processing of fish             |      | 390                                   | 460  | 434  | 426  |      | 27                                 | 28   | 26   | 24   |      | 419  | 566  | 637  | 614  |
| 3115 Vegetable and animal oils and fats                     |      | 11                                    | 10   | 11   | 10   |      | 1                                  | 1    | 1    | 1    |      | 38   | 35   | 34   | 34   |
| 3116 Grain mill products                                    |      | 58                                    | 69   | 58   | 59   |      | 6                                  | 6    | 5    | 6    |      | 181  | 220  | 227  | 231  |
| 3117 Bakery products  |      | 537                                   | 652  | 582  | 556  |      | 30                                 | 31   | 29   | 30   |      | 668  | 868  | 867  | 934  |
| 3118 Sugar factories and refineries                         |      | 9                                     | 7    | 7    | 7    |      | 2                                  | 2    | 2    | 2    |      | 65   | 69   | 71   | 73   |
| 3119 Cocoa, chocolate and sugar confectionery               |      | 39                                    | 109  | 102  | 97   |      | 9                                  | 9    | 9    | 9    |      | 211  | 264  | 271  | 307  |
| 3121 Other food products                                    |      | 323                                   | 379  | 368  | 345  |      | 22                                 | 23   | 23   | 24   |      | 566  | 719  | 740  | 782  |
| 3122 Prepared animal feeds                                  |      | 554                                   | 514  | 485  | 480  |      | 9                                  | 9    | 9    | 9    |      | 222  | 277  | 263  | 281  |
| 313 Beverages   |      | 304                                   | 260  | 234  | 214  |      | 31                                 | 24   | 22   | 27   |      | 987  | 947  | 995  | 1164 |
| 3131 Distilling, rectify and blending spirits               |      | 30                                    | 24   | 22   | 20   |      | 4                                  | 4    | 3    | 3    |      | 154  | 174  | 170  | 149  |
| 3132 Wine industries  |      | 46                                    | 42   | 43   | 39   |      | 1                                  | 1    | 1    | 1    |      | 38   | 45   | 48   | 48   |
| 3133 Malt liquors and ma                                    |      | 41                                    | 54   | 48   | 46   |      | 14                                 | 13   | 12   | 12   |      | 467  | 628  | 657  | 633  |
| 3134 Soft drinks and carbonated waters                      |      | 187                                   | 140  | 121  | 109  |      | 12                                 | 6    | 6    | 11   |      | 328  | 200  | 222  | 424  |
| 314 Tobacco   |      | 25                                    | 18   | 16   | 17   |      | 7                                  | 5    | 5    | 5    |      | 250  | 242  | 252  | 263  |
| 321 Textiles  |      | 1176                                  | 1337 | 1206 | 1117 |      | 73                                 | 72   | 69   | 62   |      | 1517   | 1799 | 1766 | 1701 |
| 3211 Spinning, weaving and finishing textiles               |      | 293                                   | 384  | 338  | 326  |      | 29                                 | 26   | 24   | 22   |      | 648  | 709  | 668  | 648  |
| 3212 Made-up textile goods excl. wearing apparel            | a/   | 641                                   | 716  | 649  | 590  | a/   | 26                                 | 29   | 29   | 25   | a/   | 530  | 709  | 733  | 704  |
| 3213 Knitting mills   |      | 207                                   | 199  | 184  | 169  |      | 13                                 | 12   | 12   | 11   |      | 215  | 240  | 248  | 229  |
| 3214 Carpets and rugs                                       |      | 35                                    | 38   | 35   | 32   |      | 5                                  | 5    | 4    | 4    |      | 124  | 141  | 116  | 120  |
| 3215 Cordage, rope and twine                                | a/   |                                       |      |      |      | a/   |                                    |      |      |      | a/   |  |      |      |      |
| 3219 Other textiles   | a/   |                                       |      |      |      | a/   |                                    |      |      |      | a/   |  |      |      |      |
| 322 Wearing apparel, except footwear                        |      | 2355                                  | 2656 | 2274 | 2033 |      | 101                                | 94   | 84   | 76   |      | 1483   | 1799 | 1853 | 1561 |
| 323 Leather and fur products                                |      | 215                                   | 204  | 165  | 150  |      | 6                                  | 5    | 5    | 4    |      | 109  | 109  | 94   | 80   |
| 3231 Tanneries and leather finishing                        |      | 40                                    | 42   | 33   | 26   |      | 2                                  | 1    | 1    | 1    |      | 44   | 31   | 25   | 24   |
| 3232 Fur dressing and dyeing industries                     |      |                                       |      |      |      |      |                                    |      |      |      |      |  |      |      |      |
| 3233 Leather prods. excl. wearing apparel                   | b/   | 175                                   | 162  | 132  | 124  | b/   | 4                                  | 4    | 4    | 3    | b/   | 65   | 78   | 69   | 56   |
| 324 Footwear, except rubber or plastic                      |      | 169                                   | 134  | 107  | 100  |      | 17                                 | 11   | 9    | 9    |      | 279  | 234  | 194  | 196  |
| 331 Wood products, except furniture                         |      | 2778                                  | 2672 | 2426 | 2288 |      | 100                                | 103  | 91   | 94   |      | 2693   | 3256 | 2946 | 3136 |
| 3311 Sawmills, planing and other wood mills                 |      | 2558                                  | 2435 | 2215 | 2093 |      | 96                                 | 99   | 87   | 91   |      | 2530   | 3168 | 2860 | 3062 |
| 3312 Wooden and cane containers                             |      | 193                                   | 209  | 184  | 168  |      | 3                                  | 3    | 3    | 2    |      | 49   | 73   | 70   | 67   |
| 3319 Other wood and cork products                           |      | 27                                    | 28   | 27   | 27   |      | 1                                  | 1    | 1    | 1    |      | 14   | 14   | 16   | 17   |
| 332 Furniture and fixtures, excl. metal                     |      | 2357                                  | 2607 | 2258 | 2074 |      | 52                                 | 66   | 55   | 49   |      | 984  | 1641 | 1335 | 1268 |
| 341 Paper and products                                      |      | 670                                   | 715  | 668  | 667  |      | 113                                | 114  | 109  | 104  |      | 3704   | 4639 | 4648 | 4566 |
| 3411 Pulp, paper and paperboard articles                    |      | 137                                   | 146  | 155  | 156  |      | 78                                 | 78   | 75   | 70   |      | 2811   | 3497 | 3525 | 3402 |
| 3412 Containers of paper and paperboard                     |      | 251                                   | 276  | 258  | 263  |      | 19                                 | 19   | 18   | 19   |      | 504  | 644  | 631  | 658  |
| 3419 Other pulp, paper and paperboard articles              |      | 282                                   | 293  | 255  | 248  |      | 16                                 | 17   | 16   | 16   |      | 389  | 498  | 492  | 506  |
| 342 Printing and publishing                                 |      | 5443                                  | 5522 | 5067 | 4894 |      | 117                                | 142  | 134  | 129  |      | 3018   | 4681 | 4679 | 4519 |
| 351 Industrial chemicals                                    |      | 365                                   | 476  | 446  | 435  |      | 32                                 | 33   | 32   | 31   |      | 1186   | 1649 | 1502 | 1496 |
| 3511 Basic chemicals excl. fertilizers                      |      | 161                                   | 210  | 202  | 198  |      | 20                                 | 22   | 21   | 20   |      | 800  | 1067 | 1039 | 999  |
| 3512 Fertilizers and pesticides                             |      | 118                                   | 165  | 153  | 152  |      | 6                                  | 4    | 4    | 4    |      | 196  | 164  | 150  | 162  |
| 3513 Synthetic resins and plastic materials                 |      | 86                                    | 100  | 91   | 85   |      | 6                                  | 7    | 7    | 7    |      | 190  | 318  | 313  | 335  |
| 352 Other chemicals   |      | 1002                                  | 1154 | 1034 | 1003 |      | 62                                 | 68   | 66   | 68   |      | 1687   | 2343 | 2410 | 2463 |
| 3521 Paints, varnishes and lacquers                         |      | 145                                   | 140  | 129  | 131  |      | 7                                  | 8    | 7    | 8    |      | 173  | 281  | 258  | 268  |
| 3522 Drugs and medicines                                    |      | 134                                   | 136  | 122  | 117  |      | 17                                 | 20   | 21   | 21   |      | 488  | 734  | 815  | 851  |
| 3523 Soap, cleaning prep <sup>s</sup> , perfumes, cosmetics |      | 220                                   | 240  | 209  | 206  |      | 17                                 | 18   | 15   | 16   |      | 440  | 674  | 612  | 631  |
| 3529 Other chemical products                                |      | 503                                   | 638  | 574  | 550  |      | 21                                 | 22   | 23   | 23   |      | 586  | 764  | 826  | 813  |
| 353 Petroleum refineries                                    |      | 62                                    | 62   | 61   | 60   |      | 16                                 | 15   | 14   | 12   |      | 708  | 766  | 721  | 667  |



|   |    |       |       |       |       |    |      |      |      |      |    |       |       |       |       |
|---|----|-------|-------|-------|-------|----|------|------|------|------|----|-------|-------|-------|-------|
| 354 Misc petroleum and coal products            |    | 77    | 92    | 92    | 102   |    | 2    | 3    | 2    | 3    |    | 66    | 89    | 78    | 92    |
| 355 Rubber products                             |    | 148   | 178   | 172   | 176   |    | 25   | 25   | 23   | 23   |    | 699   | 839   | 802   | 836   |
| 3551 Tyres and tubes                            |    |       |       |       |       |    |      |      |      |      |    |       |       |       |       |
| 3559 Other rubber products                      |    |       |       |       |       |    |      |      |      |      |    |       |       |       |       |
| 359 Plastic products                            |    | 1172  | 1369  | 1276  | 1223  |    | 48   | 62   | 60   | 60   |    | 1002  | 1633  | 1601  | 1640  |
| 361 Pottery, china, earthenware                 |    | 49    | 48    | 39    | 37    |    | 1    | 1    | 1    | 1    |    | 22    | 36    | 34    | 36    |
| 362 Glass and products                          |    | 145   | 196   | 174   | 163   |    | 13   | 12   | 11   | 10   |    | 359   | 387   | 366   | 349   |
| 369 Other non-metallic mineral products         |    | 1338  | 1447  | 1380  | 1350  |    | 37   | 41   | 38   | 34   |    | 1018  | 1388  | 1258  | 1181  |
| 3691 Structural clay products                   |    | 60    | 60    | 57    | 50    |    | 3    | 1    | 3    | 2    |    | 86    | 104   | 90    | 85    |
| 3692 Cement, lime and plaster                   |    | 38    | 34    | 34    | 35    |    | 5    | 4    | 4    | 4    |    | 157   | 182   | 178   | 178   |
| 3699 Other non-metallic mineral products        |    | 1240  | 1353  | 1289  | 1265  |    | 29   | 34   | 31   | 28   |    | 775   | 1102  | 990   | 918   |
| 371 Iron and steel                              |    | 200   | 214   | 195   | 192   |    | 61   | 53   | 51   | 47   |    | 2124  | 2261  | 2270  | 2180  |
| 372 Non-ferrous metals                          |    | 244   | 279   | 259   | 246   |    | 46   | 44   | 41   | 40   |    | 1604  | 1901  | 1891  | 1953  |
| 381 Fabricated metal products                   |    | 3621  | 3913  | 3653  | 3467  |    | 120  | 135  | 123  | 109  |    | 2930  | 4023  | 3767  | 3452  |
| 3811 Cutlery, hand tools and general hardware   |    | 336   | 337   | 305   | 286   |    | 10   | 11   | 10   | 9    |    | 233   | 296   | 278   | 267   |
| 3812 Furniture and fixtures primarily of metal  |    | 130   | 140   | 126   | 119   |    | 7    | 7    | 7    | 6    |    | 152   | 197   | 185   | 165   |
| 3813 Structural metal products                  |    | 1207  | 1371  | 1295  | 1245  |    | 38   | 48   | 44   | 37   |    | 979   | 1482  | 1404  | 1222  |
| 3819 Other fabricated metal products            |    | 1948  | 2065  | 1927  | 1817  |    | 55   | 69   | 62   | 57   |    | 1566  | 2048  | 1899  | 1798  |
| 382 Non-electrical machinery                    |    | 4040  | 4694  | 4315  | 4157  |    | 129  | 148  | 138  | 128  |    | 3329  | 4624  | 4477  | 4309  |
| 3821 Engines and turbines                       | c/ | 2531  | 3010  | 2810  | 2661  | c/ | 69   | 82   | 78   | 71   | c/ | 1895  | 2500  | 2457  | 2343  |
| 3822 Agricultural machinery and equipment       |    | 241   | 238   | 219   | 213   |    | 9    | 10   | 8    | 8    |    | 230   | 278   | 234   | 242   |
| 3823 Metal and wood working machinery           |    | 622   | 615   | 572   | 552   |    | 11   | 15   | 14   | 12   |    | 319   | 487   | 485   | 459   |
| 3824 Other special industrial machinery         |    | 497   | 606   | 555   | 541   |    | 21   | 25   | 22   | 20   |    | 577   | 821   | 736   | 670   |
| 3825 Office, computing and accounting machinery |    | 149   | 225   | 189   | 190   |    | 10   | 16   | 16   | 17   |    | 508   | 538   | 565   | 596   |
| 3829 Other non-electrical machinery & equipment | c/ |       |       |       |       | c/ |      |      |      |      | c/ |       |       |       |       |
| 383 Electrical machinery                        |    | 1217  | 1378  | 1281  | 1223  |    | 114  | 123  | 114  | 110  |    | 2944  | 4023  | 3909  | 3993  |
| 3831 Electrical industrial machinery            |    | 297   | 339   | 331   | 327   |    | 26   | 29   | 26   | 24   |    | 829   | 881   | 844   | 815   |
| 3832 Radio, television and communication equipa | d/ | 563   | 629   | 566   | 541   | d/ | 57   | 64   | 60   | 62   | d/ | 1588  | 2200  | 2191  | 2380  |
| 3833 Electrical appliances and housewares       |    | 57    | 61    | 55    | 52    |    | 6    | 4    | 4    | 3    |    | 127   | 122   | 97    | 91    |
| 3839 Other electrical apparatus and supplies    |    | 300   | 349   | 329   | 303   |    | 25   | 26   | 24   | 21   |    | 630   | 820   | 777   | 707   |
| 384 Transport equipment                         |    | 1342  | 1469  | 1346  | 1273  |    | 192  | 204  | 188  | 192  |    | 5983  | 7574  | 7283  | 7670  |
| 3841 Shipbuilding and repairing                 |    | 420   | 373   | 306   | 287   |    | 15   | 16   | 13   | 14   |    | 412   | 526   | 455   | 511   |
| 3842 Railroad equipment                         |    | 27    | 28    | 27    | 23    |    | 8    | 7    | 7    | 7    |    | 237   | 269   | 270   | 263   |
| 3843 Motor vehicles                             |    | 696   | 854   | 800   | 758   |    | 133  | 133  | 123  | 127  |    | 4247  | 4923  | 4757  | 5084  |
| 3844 Motorcycles and bicycles                   | e/ |       |       |       |       | e/ |      |      |      |      | e/ |       |       |       |       |
| 3845 Aircraft                                   |    | 184   | 199   | 199   | 189   |    | 34   | 46   | 43   | 42   |    | 1029  | 1791  | 1745  | 1746  |
| 3849 Other transport equipment                  |    | 15    | 15    | 14    | 15    |    | 2    | 2    | 2    | 2    |    | 58    | 66    | 66    | 66    |
| 385 Professional and scientific equipment       |    | 521   | 526   | 469   | 448   |    | 19   | 17   | 16   | 14   |    | 455   | 535   | 520   | 489   |
| 3851 Prof. and scientific equipment n e c       |    | 255   | 289   | 261   | 247   |    | 15   | 14   | 13   | 12   |    | 385   | 451   | 437   | 414   |
| 3852 Photographic and optical goods             |    | 237   | 220   | 191   | 184   |    | 4    | 3    | 3    | 2    |    | 67    | 77    | 75    | 67    |
| 3853 Watches and clocks                         |    | 29    | 17    |       | 17    |    | 1    |      |      |      |    | 13    | 7     | 8     | 8     |
| 390 Other manufacturing industries              |    | 2591  | 2848  | 2520  | 2334  |    | 41   | 49   | 45   | 39   |    | 768   | 1136  | 1082  | 1015  |
| 3901 Jewellery and related articles             |    | 393   | 408   | 342   | 323   |    | 5    | 6    | 5    | 4    |    | 90    | 136   | 132   | 109   |
| 3902 Musical instruments                        | d/ |       |       |       |       | d/ |      |      |      |      | d/ |       |       |       |       |
| 3903 Sporting and athletic goods                | e/ | 207   | 244   | 214   | 202   | e/ | 7    | 7    | 7    | 7    | e/ | 132   | 167   | 163   | 172   |
| 3909 Manufacturing industries, n e c            | b/ | 1991  | 2196  | 1964  | 1809  | b/ | 29   | 36   | 33   | 28   | b/ | 546   | 833   | 787   | 734   |
| 3 Total manufacturing                           |    | 36854 | 39864 | 36339 | 34511 |    | 1765 | 1867 | 1738 | 1675 |    | 46207 | 59991 | 58084 | 58158 |

a/ 3212 includes 3215 and 3219  
c/ 3821 includes 3829  
e/ 3903 includes 3844

b/ 3909 includes 3232  
d/ 3832 includes 3902

## Canada

| ISIC Industry                                    | Note | Output in producers' prices |       |       |       | Note  | Value added in producers' prices |       |       |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-----------------------------|-------|-------|-------|-------|----------------------------------|-------|-------|------|--------------------------------|------|--|------|
|  |      | (million DOLLARS)           |       |       |       |       | (million DOLLARS)                |       |       |      | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                        | 1990  | 1991  | 1992  |       | 198                              | 1990  | 1991  | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                              |      | 39060                       | 46020 | 45730 | 46870 | 10930 | 14820                            | 15480 | 16200 | 28 0 | 34 6                           | 40 3 | 36 5                                       |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 10540                       | 12350 | 11740 | 11570 | 1830  | 2560                             | 2650  | 2750  | 17 4 | 23 8                           | 55 1 | 49 5                                       |      |
| 3112 Dairy products                              |      | 7570                        | 8840  | 8840  | 9190  | 1840  | 2680                             | 2660  | 2480  | 24 3 | 27 0                           | 36 0 | 34 5                                       |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 2680                        | 3890  | 3950  | 3870  | 1110  | 1620                             | 1820  | 1760  | 41 4 | 45 5                           | 32 4 | 30 2                                       |      |
| 3114 Canning, preserving and processing of fish  |      | 3100                        | 3870  | 3800  | 3450  | 860   | 1090                             | 1110  | 1000  | 27 7 | 29 0                           | 48 7 | 51 4                                       |      |
| 3115 Vegetable and animal oils and fats          |      | 1290                        | 920   | 960   | 1100  | 120   | 140                              | 130   | 200   | 9 3  | 18 2                           | 31 7 | 17 0                                       |      |
| 3116 Grain mill products                         |      | 1790                        | 1750  | 1750  | 1720  | 580   | 730                              | 750   | 820   | 32 4 | 47 7                           | 31 2 | 28 2                                       |      |
| 3117 Bakery products                             |      | 2900                        | 3900  | 4010  | 4070  | 1390  | 1980                             | 2090  | 2170  | 47 9 | 53 3                           | 48 1 | 43 0                                       |      |
| 3118 Sugar factories and refineries              |      | 490                         | 530   | 540   | 570   | 190   | 200                              | 190   | 210   | 38 8 | 36 8                           | 34 2 | 34 8                                       |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 1070                        | 1450  | 1510  | 1780  | 560   | 680                              | 710   | 850   | 52 3 | 47 8                           | 37 7 | 36 1                                       |      |
| 3121 Other food products                         |      | 4680                        | 5270  | 5630  | 6470  | 1850  | 2390                             | 2680  | 3220  | 39 5 | 49 8                           | 30 5 | 24 3                                       |      |
| 3122 Prepared animal feeds                       |      | 2950                        | 3150  | 3000  | 3080  | 600   | 750                              | 690   | 740   | 20 3 | 24 0                           | 37 0 | 38 0                                       |      |
| 313 Beverages                                    |      | 5730                        | 5960  | 6180  | 6760  | 2990  | 3440                             | 3620  | 4140  | 52 2 | 61 2                           | 33 0 | 27 9                                       |      |
| 3131 Distilling, rectifying and blending spirits |      | 840                         | 940   | 910   | 840   | 490   | 580                              | 570   | 580   | 58 3 | 69 0                           | 31 4 | 25 7                                       |      |
| 3132 Wine industries                             |      | 260                         | 250   | 270   | 300   | 130   | 130                              | 130   | 150   | 50 0 | 50 0                           | 29 2 | 32 0                                       |      |
| 3133 Malt liquors and malt                       |      | 2710                        | 2970  | 3130  | 3090  | 1410  | 2120                             | 2320  | 2290  | 63 8 | 74 1                           | 33 1 | 23 3                                       |      |
| 3134 Soft drinks and carbonated waters           |      | 2420                        | 1800  | 1870  | 2530  | 960   | 610                              | 600   | 1120  | 39 7 | 44 3                           | 34 2 | 37 9                                       |      |
| 314 Tobacco                                      |      | 2270                        | 2830  | 2890  | 3030  | 830   | 1140                             | 1200  | 1270  | 36 6 | 41 9                           | 30 1 | 20 7                                       |      |
| 321 Textiles                                     |      | 7030                        | 8380  | 7880  | 7860  | 2940  | 3470                             | 3340  | 3420  | 41 8 | 43 5                           | 51 6 | 49 7                                       |      |
| 3211 Spinning, weaving and finishing textiles    |      | 2830                        | 3210  | 2970  | 2820  | 1250  | 1460                             | 1360  | 1360  | 44 2 | 47 9                           | 51 8 | 48 0                                       |      |
| 3212 Made-up textile goods excl wearing apparel  | a/   | 2480                        | 3230  | 3160  | 3320  | 1030  | 1310                             | 1330  | 1400  | 41 5 | 42 2                           | 51 5 | 50 3                                       |      |
| 3213 Knitting mills                              |      | 890                         | 990   | 990   | 970   | 390   | 440                              | 440   | 440   | 43 8 | 45 4                           | 55 1 | 52 0                                       |      |
| 3214 Carpets and rugs                            |      | 830                         | 950   | 760   | 750   | 270   | 260                              | 210   | 230   | 32 5 | 30 7                           | 45 9 | 52 2                                       |      |
| 3215 Cordage, rope and twine                     | a/   |                             |       |       |       |       |                                  |       |       |      |                                |      |  |      |
| 3219 Other textiles                              | a/   |                             |       |       |       |       |                                  |       |       |      |                                |      |  |      |
| 322 Wearing apparel, except footwear             |      | 5430                        | 6960  | 6280  | 6110  | 2640  | 3300                             | 3010  | 2870  | 48 6 | 47 0                           | 56 2 | 54 4                                       |      |
| 323 Leather and fur products                     |      | 500                         | 470   | 360   | 350   | 210   | 190                              | 150   | 140   | 42 0 | 40 0                           | 51 9 | 57 1                                       |      |
| 3231 Tanneries and leather finishing             |      | 240                         | 200   | 140   | 130   | 80    | 60                               | 40    | 40    | 33 3 | 30 8                           | 55 0 | 60 0                                       |      |
| 3232 Fur dressing and dyeing industries          | b/   |                             |       |       |       |       |                                  |       |       |      |                                |      |  |      |
| 3233 Leather prods excl wearing apparel          |      | 260                         | 270   | 220   | 220   | 130   | 130                              | 110   | 100   | 50 0 | 45 5                           | 50 0 | 56 0                                       |      |
| 324 Footwear, except rubber or plastic           |      | 1000                        | 840   | 710   | 710   | 470   | 390                              | 330   | 340   | 47 0 | 47 9                           | 59 4 | 57 4                                       |      |
| 331 Wood products, except furniture              |      | 10980                       | 14600 | 12870 | 14780 | 4420  | 5210                             | 4580  | 5620  | 40 3 | 38 0                           | 58 7 | 55 8                                       |      |
| 3311 Sawmills, planing and other wood mills      |      | 10730                       | 14280 | 12590 | 14500 | 4310  | 5090                             | 4460  | 5500  | 40 2 | 37 9                           | 58 7 | 55 7                                       |      |
| 3312 Wooden and cane containers                  |      | 210                         | 270   | 230   | 270   | 90    | 100                              | 90    | 90    | 42 9 | 39 1                           | 54 4 | 63 3                                       |      |
| 3319 Other wood and cork products                |      | 40                          | 50    | 50    | 50    | 20    | 20                               | 30    | 30    | 50 0 | 60 0                           | 70 0 | 56 7                                       |      |
| 332 Furniture and fixtures, excl metal           |      | 3550                        | 5150  | 4340  | 4320  | 1820  | 2620                             | 2150  | 2200  | 51 3 | 50 9                           | 54 1 | 57 6                                       |      |
| 341 Paper and products                           |      | 18460                       | 24490 | 21490 | 21130 | 7390  | 10210                            | 7890  | 7590  | 40 0 | 35 9                           | 50 1 | 60 2                                       |      |
| 3411 Pulp, paper and paperboard articles         |      | 13970                       | 18830 | 16010 | 15690 | 5720  | 8040                             | 5770  | 5630  | 40 9 | 35 2                           | 49 1 | 61 5                                       |      |
| 3412 Containers of paper and paperboard          |      | 2420                        | 3020  | 2850  | 2920  | 850   | 1120                             | 1070  | 1100  | 35 1 | 37 7                           | 59 3 | 59 8                                       |      |
| 3419 Other pulp, paper and paperboard articles   |      | 2070                        | 2640  | 2630  | 2520  | 820   | 1050                             | 1050  | 960   | 39 6 | 38 1                           | 47 4 | 52 7                                       |      |
| 342 Printing and publishing                      |      | 10030                       | 14380 | 13700 | 13481 | 6170  | 8950                             | 8510  | 8620  | 61 5 | 63 9                           | 48 9 | 52 4                                       |      |
| 351 Industrial chemicals                         |      | 12070                       | 14940 | 13080 | 12880 | 3510  | 5610                             | 4380  | 4560  | 29 1 | 35 4                           | 33 8 | 32 8                                       |      |
| 3511 Basic chemicals excl fertilizers            |      | 7720                        | 9610  | 8380  | 7970  | 2350  | 3900                             | 2950  | 3030  | 30 4 | 38 0                           | 34 0 | 33 0                                       |      |
| 3512 Fertilizers and pesticides                  |      | 2090                        | 1720  | 1470  | 1510  | 620   | 580                              | 480   | 520   | 29 7 | 34 4                           | 31 6 | 31 2                                       |      |
| 3513 Synthetic resins and plastic materials      |      | 2260                        | 3610  | 3230  | 3400  | 540   | 1130                             | 950   | 1010  | 23 9 | 29 7                           | 35 2 | 33 2                                       |      |
| 352 Other chemicals                              |      | 10240                       | 13590 | 13630 | 14210 | 5130  | 7300                             | 7430  | 7600  | 60 1 | 53 5                           | 32 9 | 32 4                                       |      |
| 3521 Paints, varnishes and lacquers              |      | 1300                        | 1820  | 1720  | 1800  | 610   | 830                              | 790   | 830   | 46 9 | 46 1                           | 28 4 | 32 3                                       |      |
| 3522 Drugs and medicines                         |      | 2800                        | 4490  | 4660  | 5040  | 1710  | 2930                             | 3000  | 3140  | 61 1 | 62 3                           | 28 5 | 27 1                                       |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 2680                        | 3230  | 3070  | 3070  | 1390  | 1760                             | 1650  | 1650  | 51 9 | 53 7                           | 31 7 | 32 1                                       |      |
| 3529 Other chemical products                     |      | 3460                        | 4050  | 4180  | 4300  | 1420  | 1780                             | 1980  | 1980  | 41 0 | 46 0                           | 41 3 | 41 1                                       |      |
| 353 Petroleum refineries                         |      | 25210                       | 19630 | 17730 | 17370 | 2550  | 2650                             | 2380  | 2040  | 10 1 | 11 7                           | 27 8 | 32 2                                       |      |

|   |    |        |        |        |        |    |        |        |        |        |      |      |      |      |
|---|----|--------|--------|--------|--------|----|--------|--------|--------|--------|------|------|------|------|
| 354 Misc petroleum and coal products            |    | 560    | 840    | 760    | 780    |    | 180    | 340    | 270    | 330    | 32 1 | 42 3 | 30 6 | 27 9 |
| 355 Rubber products                             |    | 3490   | 3800   | 3510   | 4710   |    | 1460   | 1630   | 1510   | 2030   | 41 8 | 43 1 | 47 9 | 41 1 |
| 3551 Tyres and tubes                            |    |        |        |        |        |    |        |        |        |        |      |      |      |      |
| 3559 Other rubber products                      |    |        |        |        |        |    |        |        |        |        |      |      |      |      |
| 356 Plastic products                            |    | 5390   | 7720   | 7230   | 7460   |    | 2260   | 3380   | 3230   | 3450   | 41 9 | 46 2 | 44 3 | 47 6 |
| 361 Pottery, china, earthenware                 |    | 70     | 130    | 120    | 130    |    | 40     | 80     | 70     | 70     | 57 1 | 53 8 | 55 0 | 51 4 |
| 362 Glass and products                          |    | 1470   | 1610   | 1420   | 1410   |    | 790    | 750    | 660    | 690    | 53 7 | 48 9 | 45 4 | 50 6 |
| 369 Other non-metallic mineral products         |    | 5020   | 6790   | 5650   | 5280   |    | 2340   | 3270   | 2610   | 2510   | 46 6 | 47 5 | 43 5 | 47 1 |
| 3691 Structural clay products                   |    | 350    | 440    | 350    | 350    |    | 180    | 250    | 200    | 190    | 51 4 | 54 3 | 47 8 | 44 7 |
| 3692 Cement, lime and plaster                   |    | 980    | 1210   | 980    | 960    |    | 660    | 730    | 580    | 560    | 57 1 | 57 3 | 28 0 | 32 4 |
| 3699 Other non-metallic mineral products        |    | 3690   | 5140   | 4320   | 3970   |    | 1600   | 2290   | 1900   | 1770   | 43 4 | 44 6 | 48 4 | 51 9 |
| 371 Iron and steel                              |    | 9970   | 10070  | 9420   | 9440   |    | 5970   | 3770   | 3490   | 3670   | 39 8 | 37 8 | 53 5 | 51 1 |
| 372 Non-ferrous metals                          |    | 7680   | 9690   | 9040   | 8890   |    | 3120   | 3760   | 3430   | 3320   | 40 6 | 37 0 | 51 4 | 58 8 |
| 381 Fabricated metal products                   |    | 13780  | 17050  | 14910  | 14100  |    | 5960   | 7530   | 6660   | 6260   | 43 3 | 44 4 | 49 2 | 56 1 |
| 3811 Cutlery, hand tools and general hardware   |    | 860    | 1010   | 920    | 940    |    | 480    | 550    | 510    | 490    | 55 8 | 52 1 | 48 5 | 54 5 |
| 3812 Furniture and fixtures primarily of metal  |    | 570    | 790    | 680    | 680    |    | 300    | 390    | 340    | 330    | 52 6 | 48 5 | 50 7 | 50 0 |
| 3813 Structural metal products                  |    | 3920   | 5620   | 4980   | 4300   |    | 1890   | 2690   | 2360   | 2020   | 48 2 | 47 0 | 51 8 | 50 5 |
| 3819 Other fabricated metal products            |    | 8430   | 9630   | 8330   | 8180   |    | 3290   | 3900   | 3460   | 3420   | 39 0 | 41 5 | 47 6 | 52 6 |
| 382 Non-electrical machinery                    |    | 14220  | 19640  | 17990  | 18150  |    | 6710   | 8840   | 7810   | 7900   | 47 2 | 43 5 | 49 6 | 54 5 |
| 3821 Engines and turbines                       | c/ | 7060   | 9720   | 9450   | 9440   | c/ | 3500   | 4570   | 4500   | 4520   | 49 6 | 47 9 | 48 4 | 51 8 |
| 3822 Agricultural machinery and equipment       |    | 830    | 1280   | 820    | 910    |    | 360    | 610    | 350    | 470    | 43 4 | 51 6 | 53 9 | 51 5 |
| 3823 Metal and wood working machine             |    | 840    | 1200   | 1060   | 1110   |    | 650    | 780    | 670    | 730    | 55 5 | 55 8 | 58 0 | 52 9 |
| 3824 Other special industrial machinery         |    | 2960   | 3710   | 2870   | 2620   |    | 1170   | 1590   | 1200   | 1140   | 39 5 | 43 5 | 49 3 | 58 8 |
| 3825 Office, computing and accounting machinery |    | 2530   | 3730   | 3790   | 4070   |    | 1130   | 1290   | 1090   | 1040   | 44 7 | 25 6 | 45 0 | 57 2 |
| 3829 Other non-electrical machinery & equipment | c/ |        |        |        |        | c/ |        |        |        |        |      |      |      |      |
| 383 Electrical machinery                        |    | 12590  | 17140  | 18040  | 18830  |    | 6190   | 8710   | 8060   | 8270   | 49 2 | 43 9 | 47 5 | 48 3 |
| 3831 Electrical industrial machinery            |    | 2530   | 3360   | 3150   | 3050   |    | 1240   | 1640   | 1480   | 1470   | 49 0 | 48 2 | 50 7 | 55 4 |
| 3832 Radio, television and communication equipm | d/ | 5940   | 8810   | 10570  | 12000  | d/ | 3220   | 4800   | 4830   | 5220   | 54 2 | 43 5 | 48 4 | 45 6 |
| 3833 Electrical appliances and housewares       |    | 760    | 550    | 490    | 400    |    | 330    | 280    | 240    | 170    | 43 4 | 42 5 | 38 5 | 53 5 |
| 3839 Other electrical apparatus and supplies    |    | 3360   | 4420   | 3830   | 3380   |    | 1400   | 1990   | 1510   | 1410   | 41 7 | 41 7 | 45 0 | 50 1 |
| 384 Transport equipment                         |    | 57460  | 66240  | 64610  | 69480  |    | 13780  | 16480  | 15570  | 16520  | 24 0 | 23 8 | 43 4 | 46 4 |
| 3841 Shipbuilding and repairing                 |    | 1400   | 1980   | 1740   | 1390   |    | 640    | 810    | 770    | 740    | 45 7 | 53 2 | 64 4 | 59 1 |
| 3842 Railroad equipment                         |    | 1530   | 1590   | 1340   | 1470   |    | 570    | 620    | 560    | 660    | 17 3 | 44 2 | 41 6 | 40 5 |
| 3843 Motor vehicles                             |    | 51180  | 56120  | 55360  | 60580  |    | 10750  | 11500  | 10860  | 11650  | 21 0 | 19 2 | 39 5 | 43 6 |
| 3844 Motorcycles and bicycles                   | e/ |        |        |        |        | e/ |        |        |        |        |      |      |      |      |
| 3845 Aircraft                                   |    | 3110   | 6220   | 5830   | 5490   |    | 1710   | 3400   | 3120   | 3240   | 55 0 | 59 0 | 60 2 | 53 9 |
| 3849 Other transport equipment                  |    | 740    | 330    | 340    | 550    |    | 110    | 150    | 160    | 240    | 45 8 | 43 6 | 52 7 | 27 5 |
| 385 Professional and scientific equipment       |    | 1750   | 2030   | 2020   | 1880   |    | 900    | 1080   | 1130   | 1050   | 51 4 | 55 9 | 51 7 | 46 6 |
| 3851 Prof and scientific equipment n e c        |    | 1430   | 1710   | 1700   | 1570   |    | 750    | 920    | 970    | 900    | 52 4 | 57 3 | 51 3 | 46 0 |
| 3852 Photographic and optical goods             |    | 240    | 280    | 280    | 270    |    | 120    | 140    | 140    | 130    | 50 0 | 48 1 | 55 8 | 51 5 |
| 3853 Watches and clocks                         |    | 80     | 40     | 40     | 40     |    | 30     | 20     | 20     | 20     | 37 5 | 50 0 | 43 3 | 40 0 |
| 390 Other manufacturing industries              |    | 3240   | 3810   | 3620   | 3510   |    | 1670   | 1990   | 1870   | 1870   | 51 5 | 53 3 | 46 0 | 54 3 |
| 3901 Jewellery and related articles             |    | 360    | 500    | 430    | 390    |    | 160    | 240    | 200    | 190    | 44 4 | 48 7 | 55 3 | 57 4 |
| 3902 Musical instruments                        | d/ |        |        |        |        | d/ |        |        |        |        |      |      |      |      |
| 3903 Sporting and athletic goods                | e/ | 680    | 810    | 760    | 840    | e/ | 280    | 360    | 320    | 370    | 41 2 | 44 0 | 47 1 | 46 5 |
| 3909 Manufacturing industries, n e c            | b/ | 2200   | 2500   | 2430   | 2280   | b/ | 1230   | 1390   | 1350   | 1310   | 55 9 | 57 5 | 44 4 | 55 0 |
| 3 Total manufacturing                           |    | 288250 | 344730 | 325210 | 333910 |    | 101370 | 130910 | 120890 | 124450 | 36 2 | 37 3 | 45 6 | 46 7 |

a/ 3212 includes 3215 and 3219

c/ 3821 includes 3829

e/ 3903 includes 3844

b/ 3909 includes 3232

d/ 3832 includes 3902

## Canada

| ISIC Industry                             | Note | Gross fixed capital formation a/ |       |      |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|----------------------------------|-------|------|------|------|--|------|------|------|------|------|------|------|
|   |      | (million DOLLARS)                |       |      |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                             | 1990  | 1991 | 1992 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      | 747                              | 1031  |      |      | 104  | 111                                    | 111  | 111  | 111  | 107  | 109  | 106  | 106  |
| 313 Beverages                             |      | 270                              | 367   |      |      | 93   | 96                                     | 89   | 91   | 94   | 96   | 92   | 89   | 93   |
| 314 Tobacco                               |      | 52                               |       |      |      | 86   | 71                                     | 67   | 71   | 73   | 67   | 64   | 64   | 60   |
| 321 Textiles                              |      | 221                              | 346   |      |      | 81   | 104                                    | 115  | 115  | 117  | 116  | 110  | 101  | 102  |
| 322 Wearing apparel, except footwear      |      | 30                               | 50    |      |      | 95   | 76                                     | 103  | 107  | 104  | 103  | 99   | 88   | 85   |
| 323 Leather and fur products              |      | 11                               | 4     |      | b/   | 86   | 87                                     | 81   | 75   | 73   | 76   | 64   | 61   | 60   |
| 324 Footwear, except rubber or plastic    |      | 12                               | 10    |      |      | 118  | 111                                    | 113  | 105  | 96   | 90   | 80   | 64   | 63   |
| 331 Wood products, except furniture       |      | 327                              | 629   |      |      | 110  | 124                                    | 125  | 144  | 147  | 144  | 134  | 122  | 130  |
| 332 Furniture and fixtures, excl metal    |      | 62                               | 64    |      | c/   | 101  | 113                                    | 119  | 119  | 116  | 116  | 108  | 96   | 90   |
| 341 Paper and products                    |      | 2033                             | 4292  |      |      | 98   | 97                                     | 102  | 108  | 109  | 104  | 103  | 101  | 99   |
| 342 Printing and publishing               |      | 265                              | 607   |      |      | 104  | 109                                    | 112  | 112  | 118  | 121  | 120  | 107  | 102  |
| 351 Industrial chemicals                  |      | 615                              | 1395  |      | d/   | 128  | 123                                    | 127  | 140  | 156  | 164  | 169  | 161  | 161  |
| 352 Other chemicals                       |      | 257                              | 453   |      | d/   | 106  | 114                                    | 114  | 120  | 123  | 127  | 126  | 122  | 126  |
| 353 Petroleum refineries                  |      | 332                              | 1001  |      |      | 98   | 96                                     | 92   | 97   | 99   | 103  | 111  | 108  | 106  |
| 354 Misc petroleum and coal products      |      | 7                                | 11    |      |      | 130  | 123                                    | 159  | 168  | 162  | 182  | 177  | 175  | 198  |
| 355 Rubber products                       |      | 118                              | 497   |      |      | 134  | 136                                    | 120  | 126  | 132  | 128  | 128  | 121  | 128  |
| 356 Plastic products                      |      | 162                              | 215   |      |      | 135  | 157                                    | 167  | 181  | 192  | 200  | 186  | 176  | 182  |
| 361 Pottery, china, earthenware           |      | 5                                | 12    |      | e/   | 83   | 92                                     | 100  | 110  | 113  | 111  | 101  | 84   | 76   |
| 362 Glass and products                    |      | 84                               | 191   |      |      | 118  | 126                                    | 119  | 127  | 122  | 116  | 106  | 97   | 95   |
| 369 Other non-metallic mineral products   |      | 143                              | 338   |      | e/   |      |  |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      | 591                              | 731   |      |      | 95   | 98                                     | 93   | 99   | 107  | 106  | 96   | 96   | 96   |
| 372 Non-ferrous metals                    |      | 1023                             | 2172  |      |      | 116  | 125                                    | 124  | 142  | 145  | 139  | 138  | 143  | 148  |
| 381 Fabricated metal products             |      | 572                              | 328   |      | c/   | 85   | 96                                     | 94   | 105  | 106  | 110  | 102  | 91   | 86   |
| 382 Non-electrical machinery              |      | 317                              | 502   |      | f/   | 108  | 120                                    | 126  | 132  | 149  | 154  | 152  | 139  | 141  |
| 383 Electrical machinery                  |      | 497                              | 600   |      | f/   | 109  | 114                                    | 118  | 129  | 136  | 143  | 139  | 130  | 128  |
| 384 Transport equipment                   |      | 1136                             | 1592  |      |      | 133  | 141                                    | 135  | 135  | 160  | 168  | 158  | 149  | 157  |
| 385 Professional and scientific equipment |      | 245                              | 83    |      |      | 98   | 102                                    | 106  | 113  | 117  | 116  | 110  | 108  | 105  |
| 390 Other manufacturing industries        |      | 97                               |       |      |      | 106  | 109                                    | 92   | 94   | 100  | 102  | 103  | 96   | 99   |
| 3 Total manufacturing                     |      | 10231                            | 17678 |      |      | 105  | 111                                    | 113  | 119  | 125  | 126  | 122  | 116  | 116  |

a/ Data are based on the 1970 edition of national classification  
c/ 332 includes manufacture of metal furniture and fixtures  
e/ 361 includes 367

b/ Excluding fur dressing and dyeing industries  
d/ 352 includes synthetic resins and plastic materials  
f/ 383 includes electronic computers and their accessories

## CENTRAL AFRICAN REPUBLIC

**Supplier of information:**

Direction de la statistique générale et des études économiques, Ministère du plan, des statistiques et de la coopération internationale, Bangui.

**Basic source of data:**

Industrial survey.

**Major deviations from current version of ISIC:**

Data are available only by broad groupings of industries because of disclosure regulations.

**Reference period (if not calendar year):****Scope:**

All industrial enterprises in the modern sector which keep accounting records.

**Method of enumeration:**

Questionnaires distributed by mail with follow-up site visits as required.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

No deviations from the standard UN concepts and definitions are reported.

**Related national publications:**

Enquête sur les entreprises du secteur moderne (annual), published by the Direction de la statistique générale et des études économiques, Ministère du plan, des statistiques et de la coopération internationale, Bangui.

## Central African Republic

| ISIC Industry                             | Number of enterprises |           |      |      | Number of employees |      |           |        | Wages and salaries paid to employees |        |      |                      |        |      |        |
|---|-----------------------|-----------|------|------|---------------------|------|-----------|--------|--------------------------------------|--------|------|----------------------|--------|------|--------|
|   | Note                  | (numbers) |      |      |                     | Note | (numbers) |        |                                      |        | Note | (million CFA FRANCS) |        |      |        |
|   |                       | 1985      | 1990 | 1991 | 1992                |      | 1985      | 1990   | 1991                                 | 1992   |      | 1985                 | 1990   | 1991 | 1992   |
| 311/2 Food Products                       | a/                    | 14        | 11   | 11   | 11                  |      | 1546a/    | 1301a/ | ...                                  | 1099a/ |      | 2068a/               | 2434a/ | ...  | 1642a/ |
| 313 Beverages                             | a/                    | ...       | ...  | ...  | ...                 |      | a/        | a/     | ...                                  | a/     |      | a/                   | a/     | ...  | a/     |
| 314 Tobacco                               | a/                    | ...       | ...  | ...  | ...                 |      | a/        | a/     | ...                                  | a/     |      | a/                   | a/     | ...  | a/     |
| 321 Textiles                              | b/                    | 3         | 3    | 3    | 3                   |      | 2523b/    | 1479b/ | ...                                  | 576b/  |      | 2152b/               | 1904b/ | ...  | 549b/  |
| 322 Wearing apparel, except footwear      | b/                    | ...       | ...  | ...  | ...                 |      | b/        | b/     | ...                                  | b/     |      | b/                   | b/     | ...  | b/     |
| 323 Leather and fur products              | b/                    | ...       | ...  | ...  | ...                 |      | b/        | b/     | ...                                  | b/     |      | b/                   | b/     | ...  | b/     |
| 324 Footwear, except rubber or plastic    | b/                    | ...       | ...  | ...  | ...                 |      | b/        | b/     | ...                                  | b/     |      | b/                   | b/     | ...  | b/     |
| 331 Wood products, except furniture       | c/                    | 10        | 11   | 11   | 9                   |      | 3006c/    | 2044c/ | ...                                  | 2139c/ |      | 1893c/               | 1613c/ | ...  | 1476c/ |
| 332 Furniture and fixtures, excl metal    | c/                    | ...       | ...  | ...  | ...                 |      | c/        | c/     | ...                                  | c/     |      | c/                   | c/     | ...  | c/     |
| 341 Paper and products                    | c/                    | ...       | ...  | ...  | ...                 |      | c/        | c/     | ...                                  | c/     |      | c/                   | c/     | ...  | c/     |
| 342 Printing and publishing               | c/                    | ...       | ...  | ...  | ...                 |      | c/        | c/     | ...                                  | c/     |      | c/                   | c/     | ...  | c/     |
| 351 Industrial chemicals                  | d/                    | 7         | 9    | 9    | 9                   |      | 268d/     | 319d/  | ...                                  | 378d/  |      | 387d/                | 486d/  | ...  | 346d/  |
| 352 Other chemicals                       | d/                    | ...       | ...  | ...  | ...                 |      | d/        | d/     | ...                                  | d/     |      | d/                   | d/     | ...  | d/     |
| 353 Petroleum refineries                  | ...                   | ...       | ...  | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...                  | ...    | ...  | ...    |
| 354 Misc petroleum and coal products      | ...                   | ...       | ...  | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...                  | ...    | ...  | ...    |
| 355 Rubber products                       | ...                   | ...       | ...  | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...                  | ...    | ...  | ...    |
| 356 Plastic products                      | ...                   | ...       | ...  | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...                  | ...    | ...  | ...    |
| 361 Pottery, china, earthenware           | ...                   | ...       | ...  | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...                  | ...    | ...  | ...    |
| 362 Glass and products                    | ...                   | ...       | ...  | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...                  | ...    | ...  | ...    |
| 369 Other non-metallic mineral products   | ...                   | ...       | ...  | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...                  | ...    | ...  | ...    |
| 371 Iron and steel                        | ...                   | ...       | ...  | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...                  | ...    | ...  | ...    |
| 372 Non-ferrous metals                    | ...                   | ...       | ...  | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...                  | ...    | ...  | ...    |
| 381 Fabricated metal products             | e/                    | 5         | 3    | 3    | 3                   |      | 208e/     | 137e/  | ...                                  | 121e/  |      | 251e/                | 219e/  | ...  | 167e/  |
| 382 Non-electrical machinery              | e/                    | ...       | ...  | ...  | ...                 |      | e/        | e/     | ...                                  | e/     |      | e/                   | e/     | ...  | e/     |
| 383 Electrical machinery                  | e/                    | ...       | ...  | ...  | ...                 |      | e/        | e/     | ...                                  | e/     |      | e/                   | e/     | ...  | e/     |
| 384 Transport equipment                   | e/                    | ...       | ...  | ...  | ...                 |      | e/        | e/     | ...                                  | e/     |      | e/                   | e/     | ...  | e/     |
| 385 Professional and scientific equipment | e/                    | ...       | ...  | ...  | ...                 |      | e/        | e/     | ...                                  | e/     |      | e/                   | e/     | ...  | e/     |
| 390 Other manufacturing industries        | ...                   | 5         | 5    | 5    | 6                   |      | 276       | 139    | ...                                  | 126    |      | 388                  | 343    | ...  | 162    |
| 3 Total manufacturing                     | ...                   | 44        | 42   | 42   | 41                  |      | 7827      | 5419   | ...                                  | 4436   |      | 7139                 | 6999   | ...  | 4342   |

a/ 311/2 includes 313 and 314  
 c/ 331 includes 332, 341 and 342  
 e/ 381 includes 382, 383 and 384

b/ 321 includes 322 and 323  
 d/ 351 includes 352.

## Central African Republic

| ISIC Industry                             | Note | Output in factor values |         |      |         | Note   | Value added in factor values |      |        |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-------------------------|---------|------|---------|--------|------------------------------|------|--------|------|--------------------------------|------|--|------|
|   |      | (million CFA FRANCS)    |         |      |         |        | (million CFA FRANCS)         |      |        |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                    | 1990    | 1991 | 1992    |        | 1985                         | 1990 | 1991   | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       |      | 15950a/                 | 18478a/ |      | 16341a/ | 7968a/ | 9712a/                       |      | 9085a/ | 50.0 | 55.6                           | 26.8 | 18.1                                       |      |
| 313 Beverages                             |      | a/                      | a/      |      | a/      | a/     |                              | a/   |        |      |                                |      |  |      |
| 314 Tobacco                               |      | a/                      | a/      |      | a/      | a/     |                              | a/   |        |      |                                |      |  |      |
| 321 Textiles                              |      | 13809b/                 | 8994b/  |      | 1476b/  | 193b/  | 1086b/                       |      | 344b/  | 1.4  | 23.3                           |      |  |      |
| 322 Wearing apparel, except footwear      |      | b/                      | b/      |      | b/      | b/     |                              | b/   |        |      |                                |      |  |      |
| 323 Leather and fur products              |      | b/                      | b/      |      | b/      | b/     |                              | b/   |        |      |                                |      |  |      |
| 324 Footwear, except rubber or plastic    |      |                         |         |      |         |        |                              |      |        |      |                                |      |  |      |
| 331 Wood products, except furniture       |      | 11826c/                 | 11592c/ |      | 7876c/  | 4454c/ | 4303c/                       |      | 127c/  | 37.7 | 16.1                           | 42.5 |  |      |
| 332 Furniture and fixtures, excl. metal   |      | c/                      | c/      |      | c/      | c/     |                              | c/   |        |      |                                |      |  |      |
| 341 Paper and products                    |      | c/                      | c/      |      | c/      | c/     |                              | c/   |        |      |                                |      |  |      |
| 342 Printing and publishing               |      | c/                      | c/      |      | c/      | c/     |                              | c/   |        |      |                                |      |  |      |
| 351 Industrial chemicals                  |      | 2392d/                  | 2281d/  |      | 2491d/  | 881d/  | 1076d/                       |      | 964d/  | 36.8 | 36.7                           | 43.9 | 35.9                                       |      |
| 352 Other chemicals                       |      | d/                      | d/      |      | d/      | d/     |                              | d/   |        |      |                                |      |  |      |
| 353 Petroleum refineries                  |      |                         |         |      |         |        |                              |      |        |      |                                |      |  |      |
| 354 Misc. petroleum and coal products     |      |                         |         |      |         |        |                              |      |        |      |                                |      |  |      |
| 355 Rubber products                       |      |                         |         |      |         |        |                              |      |        |      |                                |      |  |      |
| 356 Plastic products                      |      |                         |         |      |         |        |                              |      |        |      |                                |      |  |      |
| 357 Pottery, china, earthenware           |      |                         |         |      |         |        |                              |      |        |      |                                |      |  |      |
| 36 Glass and products                     |      |                         |         |      |         |        |                              |      |        |      |                                |      |  |      |
| 369 Other non-metallic mineral products   |      |                         |         |      |         |        |                              |      |        |      |                                |      |  |      |
| 371 Iron and steel                        |      |                         |         |      |         |        |                              |      |        |      |                                |      |  |      |
| 372 Non-ferrous metals                    |      |                         |         |      |         |        |                              |      |        |      |                                |      |  |      |
| 381 Fabricated metal products             |      | 265e/                   | 1965e/  |      | 1773e/  | 541e/  | 442e/                        |      | 221e/  | 24.1 | 18.1                           | 39.2 | 52.0                                       |      |
| 382 Non-electrical machinery              |      | e/                      | e/      |      | e/      | e/     |                              | e/   |        |      |                                |      |  |      |
| 383 Electrical machinery                  |      | e/                      | e/      |      | e/      | e/     |                              | e/   |        |      |                                |      |  |      |
| 384 Transport equipment                   |      | e/                      | e/      |      | e/      | e/     |                              | e/   |        |      |                                |      |  |      |
| 385 Professional and scientific equipment |      |                         |         |      |         |        |                              |      |        |      |                                |      |  |      |
| 390 Other manufacturing industries        |      | 2092                    | 720     |      | 466     | 479    | 280                          |      | 159    | 22.9 | 34.1                           | 83.1 |  |      |
| 3 Total manufacturing                     |      | 48730                   | 45030   |      | 30420   | 14616  | 16899                        |      | 12144  | 30.0 | 39.9                           | 48.8 | 35.8                                       |      |

a/ 311/2 includes 313 and 314  
 c/ 331 includes 332, 341 and 342  
 e/ 381 includes 382, 383 and 384

b/ 321 includes 322 and 323  
 d/ 351 includes 352

Central African Republic

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|------|------|--|------|------|------|------|------|------|------|
|   |      | (million CFA FRANCS)          |      |      |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990 | 1991 | 1992 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 313 Beverages                             |      |                               |      |      |      | 91   | 115                                    | 117  | 124  | 120  | 136  | 133  | 116  | 116  |
| 314 Tobacco                               |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 321 Textiles                              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 322 wearing apparel, except footwear      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 323 Leather and fur products              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      |                               |      |      |      | 82   | 79                                     | 77   | 62   | 72   | 81   | 91   | 116  | 98   |
| 332 Furniture and fixtures, excl. metal   |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 342 Printing and publishing               |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 352 Other chemicals                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 354 Misc. petroleum and coal products     |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 356 Plastic products                      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 362 Glass and products                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 382 Non-electrical machinery              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 384 Transport equipment                   |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 385 Professional and scientific equipment |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |



## CHILE

**Supplier of information:**

Instituto Nacional de Estadísticas, Santiago.

**Basic source of data:**

Annual industrial survey.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

The survey relates to establishments with 10 or more persons engaged on a complete enumeration basis. However, the data reported in the tables relate only to establishments with 50 or more persons engaged.

The indices of industrial production cover, in principle, all establishments employing 10 or more persons.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

No.

**Concepts and definitions of variables:**

Number of employees is the average of the numbers for the months of February, May, August and November.

Output is not adjusted for the cost of goods purchased for resale without further processing.

**Related national publications:**

Industrias Manufactureras (annual), published by the Instituto Nacional de Estadísticas, Santiago.

## Chile

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note  | Number of employees |       |       |      | Note  | Wages and salaries paid to employees |       |        |      |
|--|------|--------------------------|------|------|------|-------|---------------------|-------|-------|------|-------|--------------------------------------|-------|--------|------|
|  |      | (numbers)                |      |      |      |       | (numbers)           |       |       |      |       | (million PESOS)                      |       |        |      |
|  |      | 1985                     | 1989 | 1990 | 1991 |       | 1985                | 1989  | 1990  | 1991 |       | 1985                                 | 1989  | 1990   | 1991 |
| 311/2 Food Products                              |      | 281                      | 379  | 390  | 418  | 44644 | 71899               | 75279 | 80636 |      | 19954 | 69753                                | 92450 | 120866 |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 44                       | 55   | 51   | 51   | 5677  | 9356                | 9678  | 9726  |      | 2451  | 8051                                 | 11191 | 14924  |      |
| 3112 Dairy products                              |      | 20                       | 27   | 30   | 31   | 3991  | 6559                | 6657  | 6755  |      | 2665  | 7788                                 | 10274 | 13498  |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 30                       | 42   | 46   | 51   | 5958  | 9997                | 12454 | 15621 |      | 1490  | 5885                                 | 8372  | 13859  |      |
| 3114 Canning, preserving and processing of fish  |      | 56                       | 87   | 97   | 103  | 8057  | 16169               | 16740 | 17221 |      | 1852  | 12323                                | 17964 | 19493  |      |
| 3115 Vegetable and animal oils and fats          |      | 39                       | 52   | 49   | 54   | 7684  | 10789               | 10232 | 10580 |      | 5347  | 16826                                | 18591 | 24466  |      |
| 3116 Grain mill products                         |      | 18                       | 21   | 19   | 24   | 1458  | 1838                | 1735  | 2167  |      | 850   | 2098                                 | 2772  | 4342   |      |
| 3117 Bakery products                             |      | 41                       | 41   | 52   | 56   | 4791  | 7089                | 7157  | 7006  |      | 1505  | 5288                                 | 6233  | 8005   |      |
| 3118 Sugar factories and refineries              |      | 5                        | 5    | 5    | 5    | 1660  | 2202                | 2134  | 2035  |      | 736   | 2388                                 | 2994  | 3849   |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 9                        | 12   | 11   | 10   | 2487  | 3446                | 3574  | 3922  |      | 1172  | 3560                                 | 6121  | 6677   |      |
| 3121 Other food products                         |      | 14                       | 11   | 22   | 24   | 2401  | 3664                | 4070  | 4425  |      | 1690  | 5777                                 | 7813  | 9933   |      |
| 3122 Prepared animal feeds                       |      | 5                        | 7    | 8    | 9    | 480   | 790                 | 848   | 1178  |      | 195   | 769                                  | 1125  | 1820   |      |
| 313 Beverages                                    |      | 55                       | 56   | 53   | 55   | 7177  | 10648               | 10242 | 11120 |      | 4377  | 12833                                | 18343 | 27332  |      |
| 3131 Distilling, rectifying and blending spirits |      | 5                        | 7    | 6    | 5    | 666   | 971                 | 1022  | 1063  |      | 304   | 984                                  | 1438  | 2259   |      |
| 3132 Wine industries                             |      | 23                       | 20   | 20   | 21   | 2733  | 3643                | 3312  | 3523  |      | 1059  | 3008                                 | 3787  | 5281   |      |
| 3133 Malt liquors and malt                       |      | 8                        | 8    | 8    | 9    | 1272  | 1826                | 1836  | 2003  |      | 871   | 2815                                 | 3918  | 5267   |      |
| 3134 Soft drinks and carbonated waters           |      | 19                       | 21   | 19   | 20   | 2506  | 4208                | 4072  | 4531  |      | 2194  | 6026                                 | 9220  | 14495  |      |
| 314 Tobacco                                      |      | 2                        | 2    | 2    | 3    | 683   | 643                 | 665   | 703   |      | 735   | 1400                                 | 1740  | 2478   |      |
| 321 Textiles                                     |      | 79                       | 124  | 135  | 131  | 17346 | 26230               | 26208 | 25883 |      | 6236  | 21539                                | 27598 | 36614  |      |
| 3211 Spinning, weaving and finishing textiles    |      | 47                       | 59   | 65   | 63   | 14161 | 19289               | 18704 | 18321 |      | 5363  | 16538                                | 20763 | 27133  |      |
| 3212 Made-up textile goods excl. wearing apparel |      | 1                        | 8    | 7    | 8    | 54    | 745                 | 604   | 757   |      | 15    | 592                                  | 629   | 1269   |      |
| 3213 Knitting mills                              |      | 27                       | 50   | 56   | 53   | 2772  | 5661                | 6449  | 6325  |      | 802   | 4009                                 | 5673  | 7619   |      |
| 3214 Carpets and rugs                            |      | 1                        | 1    | 1    | 1    | 94    | 60                  | 70    | 83    |      | 23    | 44                                   | 76    | 110    |      |
| 3215 Cordage, rope and twine                     |      | 3                        | 3    | 3    | 3    | 265   | 270                 | 187   | 185   |      | 34    | 159                                  | 214   | 280    |      |
| 3219 Other textiles                              |      | -                        | 3    | 3    | 3    | -     | 205                 | 194   | 212   |      | -     | 197                                  | 254   | 303    |      |
| 322 Wearing apparel, except footwear             |      | 72                       | 112  | 106  | 115  | 9449  | 17562               | 17316 | 18033 |      | 2879  | 12212                                | 15183 | 22409  |      |
| 323 Leather and fur products                     |      | 15                       | 16   | 19   | 18   | 1407  | 1742                | 1938  | 2194  |      | 604   | 1598                                 | 2098  | 3531   |      |
| 3231 Tanneries and leather finishing             |      | 12                       | 12   | 13   | 14   | 1310  | 1368                | 1432  | 1731  |      | 559   | 1361                                 | 1748  | 2938   |      |
| 3232 Fur dressing and dyeing industries          |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -     | -                                    | -     | -      |      |
| 3233 Leather prods. excl. wearing apparel        |      | 3                        | 4    | 6    | 4    | 157   | 374                 | 506   | 463   |      | 45    | 237                                  | 350   | 593    |      |
| 324 Footwear, except rubber or plastic           |      | 41                       | 55   | 61   | 64   | 6573  | 10843               | 11338 | 11883 |      | 2483  | 7807                                 | 10113 | 14429  |      |
| 331 Wood products, except furniture              |      | 98                       | 122  | 126  | 120  | 13089 | 20705               | 21226 | 19809 |      | 3705  | 14520                                | 20298 | 24357  |      |
| 3311 Saws, mills, planing and other wood mills   |      | 85                       | 105  | 105  | 100  | 11793 | 17956               | 17497 | 16558 |      | 3423  | 13027                                | 17660 | 21224  |      |
| 3312 Wooden and cane containers                  |      | 11                       | 13   | 17   | 15   | 916   | 1852                | 2768  | 2338  |      | 200   | 1003                                 | 2035  | 2174   |      |
| 3319 Other wood and cork products                |      | 2                        | 4    | 4    | 5    | 380   | 897                 | 961   | 913   |      | 82    | 490                                  | 703   | 969    |      |
| 332 Furniture and fixtures, excl. metal          |      | 25                       | 33   | 34   | 34   | 2349  | 5147                | 5026  | 5264  |      | 621   | 3680                                 | 4703  | 6340   |      |
| 341 Paper and products                           |      | 23                       | 36   | 33   | 47   | 5869  | 8728                | 9011  | 10496 |      | 4678  | 13991                                | 17283 | 24626  |      |
| 3411 Pulp, paper and paperboard articles         |      | 8                        | 12   | 12   | 13   | 3796  | 4526                | 4767  | 5422  |      | 3461  | 9067                                 | 11224 | 16623  |      |
| 3412 Containers of paper and paperboard          |      | 13                       | 14   | 12   | 16   | 1911  | 2690                | 2481  | 2972  |      | 1091  | 2680                                 | 3201  | 4869   |      |
| 3419 Other pulp, paper and paperboard articles   |      | 2                        | 10   | 9    | 11   | 162   | 1512                | 1763  | 2102  |      | 127   | 2244                                 | 2858  | 3234   |      |
| 342 Printing and publishing                      |      | 39                       | 51   | 49   | 53   | 6325  | 8572                | 8533  | 8990  |      | 4435  | 12412                                | 17376 | 24512  |      |
| 351 Industrial chemicals                         |      | 18                       | 21   | 25   | 28   | 2520  | 3220                | 3620  | 4000  |      | 2185  | 6467                                 | 9262  | 13438  |      |
| 3511 Basic chemicals excl. fertilizers           |      | 13                       | 14   | 18   | 22   | 2016  | 1966                | 2416  | 2772  |      | 1772  | 4830                                 | 7213  | 10853  |      |
| 3512 Fertilizers and pesticides                  |      | 1                        | 1    | 1    | -    | 54    | 117                 | 86    | -     |      | 18    | 139                                  | 85    | -      |      |
| 3513 Synthetic resins and plastic materials      |      | 4                        | 6    | 6    | 6    | 450   | 1137                | 1118  | 1228  |      | 395   | 1498                                 | 1964  | 2585   |      |
| 352 Other chemicals                              |      | 70                       | 92   | 96   | 95   | 10096 | 16293               | 16535 | 16688 |      | 10629 | 30102                                | 39005 | 62370  |      |
| 3521 Paints, varnishes and lacquers              |      | 10                       | 12   | 15   | 16   | 1024  | 1676                | 1879  | 2042  |      | 855   | 2582                                 | 3846  | 5568   |      |
| 3522 Drugs and medicines                         |      | 34                       | 35   | 35   | 35   | 4641  | 5874                | 5666  | 5919  |      | 5106  | 12262                                | 15023 | 20566  |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 15                       | 21   | 24   | 23   | 2870  | 4786                | 5272  | 5485  |      | 3138  | 8447                                 | 12534 | 16768  |      |
| 3529 Other chemical products                     |      | 11                       | 24   | 22   | 21   | 1561  | 3957                | 3718  | 3242  |      | 1431  | 6811                                 | 7602  | 9469   |      |
| 353 Petroleum refineries                         |      | 2                        | 2    | 2    | 2    | 1165  | 1218                | 1242  | 1284  |      | 1424  | 5096                                 | 6115  | 7736   |      |

|  |      |      |      |      |        |        |        |        |        |        |        |        |
|--|------|------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|
| 354 Misc. petroleum and coal products            | 8    | 10   | 9    | 11   | 763    | 1488   | 1510   | 1460   | 589    | 2976   | 2206   | 2730   |
| 355 Rubber products                              | 16   | 18   | 17   | 20   | 2602   | 3272   | 3022   | 3346   | 1572   | 4300   | 5442   | 7667   |
| 3551 Tyres and tubes                             | 4    | 4    | 4    | 5    | 941    | 1164   | 1389   | 1497   | 909    | 2411   | 3517   | 4996   |
| 3559 Other rubber products                       | 12   | 14   | 13   | 15   | 1661   | 2108   | 1633   | 1849   | 663    | 1889   | 1925   | 2672   |
| 356 Plastic products                             | 50   | 78   | 87   | 93   | 4986   | 9599   | 10746  | 11241  | 2006   | 8144   | 13002  | 17607  |
| 361 Pottery, china, earthenware                  | 4    | 7    | 8    | 7    | 1789   | 3584   | 2094   | 2613   | 556    | 2158   | 1148   | 2644   |
| 362 Glass and products                           | 9    | 11   | 11   | 10   | 1158   | 2059   | 1988   | 1972   | 671    | 2662   | 3287   | 4641   |
| 369 Other non-metallic mineral products          | 30   | 40   | 41   | 48   | 3950   | 6170   | 5900   | 6750   | 2940   | 9379   | 12253  | 17797  |
| 3691 Structural clay products                    | 6    | 10   | 12   | 13   | 711    | 1442   | 1538   | 1683   | 473    | 1639   | 2137   | 3286   |
| 3692 Cement, lime and plaster                    | 5    | 7    | 5    | 5    | 1306   | 1748   | 1356   | 1526   | 1313   | 4039   | 5401   | 7332   |
| 3699 Other non-metallic mineral products         | 9    | 23   | 24   | 30   | 1933   | 2980   | 3004   | 3541   | 1154   | 3701   | 4716   | 7179   |
| 371 Iron and steel                               | 19   | 22   | 20   | 17   | 7582   | 7869   | 7931   | 7540   | 6078   | 14716  | 17885  | 22031  |
| 372 Non-ferrous metals                           | 17   | 24   | 23   | 23   | 8195   | 8908   | 8507   | 8608   | 8656   | 20685  | 26276  | 35042  |
| 381 Fabricated metal products                    | 100  | 139  | 143  | 147  | 11600  | 19070  | 21310  | 20220  | 5387   | 19734  | 29314  | 34666  |
| 3811 Cutlery, hand tools and general hardware    | 6    | 10   | 12   | 12   | 719    | 1415   | 1499   | 1489   | 326    | 1316   | 1911   | 2316   |
| 3812 Furniture and fixtures primarily of metal   | 5    | 8    | 8    | 9    | 477    | 948    | 790    | 918    | 235    | 971    | 826    | 1279   |
| 3813 Structural metal products                   | 33   | 45   | 52   | 55   | 3463   | 6999   | 8425   | 7498   | 1331   | 6785   | 12417  | 12780  |
| 3819 Other fabricated metal products             | 56   | 73   | 71   | 71   | 6941   | 9708   | 10596  | 10316  | 3496   | 10663  | 14160  | 18290  |
| 382 Non-electrical machinery                     | 33   | 72   | 73   | 72   | 6134   | 13339  | 12379  | 12739  | 6013   | 21696  | 27410  | 36434  |
| 3821 Engines and turbines                        | -    | 1    | 1    | 2    | -      | 68     | 53     | 135    | -      | 66     | 62     | 193    |
| 3822 Agricultural machinery and equipment        | 4    | 3    | 3    | 3    | 288    | 262    | 202    | 201    | 150    | 242    | 241    | 332    |
| 3823 Metal and wood working machinery            | 2    | 4    | 5    | 6    | 132    | 538    | 383    | 479    | 51     | 1286   | 837    | 1216   |
| 3824 Other special industrial machinery          | -    | 17   | 16   | 14   | -      | 3540   | 2989   | 3102   | -      | 8406   | 9692   | 13268  |
| 3825 Office, computing and accounting machinery  | -    | -    | -    | -    | -      | -      | -      | -      | -      | -      | -      | -      |
| 3829 Other non-electrical machinery & equipment  | 27   | 47   | 48   | 47   | 5714   | 8931   | 8752   | 8922   | 5812   | 11696  | 16578  | 20406  |
| 383 Electrical machinery                         | 23   | 29   | 26   | 27   | 3055   | 4075   | 3930   | 3696   | 2624   | 6376   | 7969   | 10274  |
| 3831 Electrical industrial machinery             | 4    | 8    | 8    | 8    | 744    | 1164   | 1229   | 1219   | 922    | 2027   | 2655   | 3420   |
| 3832 Radio, television and communication equipm. | 2    | 3    | 2    | 2    | 500    | 442    | 159    | 179    | 339    | 750    | 430    | 537    |
| 3833 Electrical appliances and housewares        | 2    | 2    | 2    | 3    | 167    | 295    | 359    | 198    | 101    | 382    | 572    | 290    |
| 3839 Other electrical apparatus and supplies     | 15   | 16   | 14   | 14   | 1644   | 2174   | 2183   | 2099   | 1262   | 3217   | 4312   | 6027   |
| 384 Transport equipment                          | 22   | 41   | 44   | 46   | 3365   | 6566   | 8521   | 7936   | 1862   | 7250   | 10908  | 13537  |
| 3841 Shipbuilding and repairing                  | 6    | 10   | 11   | 9    | 1011   | 1695   | 1727   | 1555   | 664    | 1977   | 2757   | 2977   |
| 3842 Railroad equipment                          | 4    | 4    | 4    | 5    | 766    | 828    | 877    | 883    | 288    | 912    | 894    | 1392   |
| 3843 Motor vehicles                              | 10   | 25   | 25   | 27   | 1478   | 3715   | 3614   | 3941   | 855    | 4168   | 5695   | 6968   |
| 3844 Motorcycles and bicycles                    | 2    | 2    | 2    | 2    | 110    | 328    | 365    | 378    | 56     | 193    | 334    | 501    |
| 3845 Aircraft                                    | -    | -    | 1    | 1    | -      | -      | 1721   | 921    | -      | -      | 1232   | 1550   |
| 3849 Other transport equipment                   | -    | -    | 1    | 2    | -      | -      | 217    | 258    | -      | -      | 96     | 149    |
| 385 Professional and scientific equipment        | 5    | 6    | 7    | 7    | 330    | 527    | 617    | 650    | 155    | 641    | 954    | 1272   |
| 3851 Prof. and scientific equipment n.e.c.       | 3    | 4    | 5    | 5    | 170    | 277    | 351    | 381    | 72     | 348    | 574    | 776    |
| 3852 Photographic and optical goods              | 2    | 2    | 2    | 2    | 160    | 250    | 266    | 269    | 83     | 293    | 380    | 496    |
| 3853 Watches and clocks                          | -    | -    | -    | -    | -      | -      | -      | -      | -      | -      | -      | -      |
| 390 Other manufacturing industries               | 9    | 18   | 15   | 18   | 723    | 1558   | 1553   | 1684   | 310    | 997    | 1541   | 2090   |
| 3901 Jewellery and related articles              | 1    | 1    | 1    | 1    | 186    | 61     | 178    | 233    | 98     | 60     | 230    | 335    |
| 3902 Musical instruments                         | -    | -    | -    | 1    | -      | -      | -      | 51     | -      | -      | -      | 23     |
| 3903 Sporting and athletic goods                 | -    | 1    | -    | -    | -      | 52     | -      | -      | -      | 47     | -      | -      |
| 3909 Manufacturing industries, n.e.c.            | 8    | 16   | 14   | 16   | 537    | 1445   | 1375   | 1400   | 212    | 890    | 1311   | 1732   |
| 3 Total manufacturing                            | 1165 | 1616 | 1655 | 1722 | 184984 | 291534 | 298187 | 307437 | 104263 | 335165 | 441161 | 588238 |

## Chile

| ISIC Industry                                    | Note  | Output in producers' prices<br>(billion PESOS) |        |        |      | Note  | Value added in producers' prices<br>(billion PESOS) |       |       |      | Share of value added<br>in output<br>(percentage) |      | Share of wages and salaries in<br>value added<br>(percentage) |      |
|--|-------|--|--------|--------|------|-------|---|-------|-------|------|---|------|---|------|
|  |       | 1985   | 1989   | 1990   | 1991 |       | 1985  | 1989  | 1990  | 1991 | 1985  | 1991 | 1985  | 1991 |
|  |       |  |        |        |      |       |   |       |       |      |   |      |   |      |
| 311 2 Food Products                              | 339 1 | 1047 7   | 1242 2 | 1698 0 |      | 129 7 | 398 1   | 470 6 | 608 3 | 38 3 | 36 8  | 15 4 | 19 9  |      |
| 3111 Slaughtering, preparing & preserving meat   |       | 154 3  | 188 7  | 279 9  |      | 14 1  | 52 8  | 65 9  | 90 4  |      | 32 3  | 17 3 | 15 5  |      |
| 3112 Dairy products                              |       | 141 2  | 181 2  | 234 9  |      | 15 6  | 39 4  | 55 9  | 77 0  |      | 32 8  | 15 1 | 17 5  |      |
| 3113 Canning, preserving of fruits & vegetables  |       | 71 8   | 103 4  | 155 2  |      | 6 8   | 32 8  | 41 0  | 66 6  |      | 42 9  | 21 9 | 20 8  |      |
| 3114 Canning, preserving and processing of fish  |       | 88 4   | 110 1  | 141 6  |      | 7 3   | 34 4  | 45 8  | 63 1  |      | 37 5  | 25 2 | 35 7  |      |
| 3115 Vegetable and animal oils and fats          |       | 265 7  | 250 1  | 350 0  |      | 34 9  | 116 5   | 102 1 | 132 9 |      | 38 0  | 15 3 | 18 4  |      |
| 3116 Grain mill products                         |       | 56 5   | 59 7   | 98 5   |      | 8 5   | 17 9  | 14 6  | 25 3  |      | 25 7  | 10 0 | 17 2  |      |
| 3117 Bakery products                             |       | 56 5   | 78 4   | 91 2   |      | 8 8   | 26 5  | 41 8  | 43 2  |      | 47 3  | 17 0 | 18 5  |      |
| 3118 Sugar factories and refineries              |       | 79 0   | 84 6   | 90 6   |      | 11 3  | 27 7  | 28 5  | 22 8  |      | 25 2  | 6 6  | 16 9  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |       | 32 3   | 43 5   | 60 2   |      | 6 9   | 13 6  | 18 6  | 25 8  |      | 42 8  | 16 9 | 25 9  |      |
| 3121 Other food products                         |       | 69 5   | 94 8   | 127 3  |      | 12 9  | 33 9  | 49 2  | 60 5  |      | 47 5  | 13 1 | 16 4  |      |
| 3122 Prepared animal feeds                       |       | 32 5   | 47 8   | 68 4   |      | 1 3   | 2 7   | 6 9   | 10 7  |      | 16 7  | 14 6 | 17 0  |      |
| 313 Beverages                                    | 52 0  | 170 6  | 234 3  | 322 8  |      | 28 6  | 82 1  | 114 1 | 168 3 | 54 9 | 52 1  | 15 3 | 16 2  |      |
| 3131 Distilling, rectifying and blending spirits |       | 17 1   | 24 3   | 33 7   |      | 2 7   | 6 4   | 8 1   | 16 1  |      | 47 7  | 11 4 | 14 0  |      |
| 3132 Wine industries                             |       | 38 6   | 51 6   | 84 5   |      | 7 1   | 17 2  | 26 5  | 39 2  |      | 46 4  | 15 0 | 13 5  |      |
| 3133 Malt liquors and malt                       |       | 41 1   | 53 1   | 66 1   |      | 7 2   | 26 2  | 32 8  | 41 8  |      | 63 2  | 11 4 | 12 6  |      |
| 3134 Soft drinks and carbonated waters           |       | 73 8   | 105 3  | 138 4  |      | 11 7  | 32 3  | 46 6  | 71 2  |      | 51 4  | 18 8 | 20 4  |      |
| 314 Tobacco                                      | 38 5  | 81 0   | 106 3  | 173 4  |      | 33 0  | 71 5  | 92 4  | 153 9 | 85 8 | 88 7  | 2 2  | 1 5   |      |
| 321 Textiles                                     | 51 7  | 181 3  | 209 1  | 279 9  |      | 26 1  | 87 9  | 101 5 | 126 9 | 50 5 | 45 4  | 23 9 | 28 8  |      |
| 3211 Spinning, weaving and finishing textiles    |       | 136 3  | 149 9  | 196 4  |      | 22 5  | 67 3  | 73 4  | 91 5  |      | 46 6  | 23 8 | 29 7  |      |
| 3212 Made-up textile goods excl. wearing apparel |       | 4 9  | 5 3    | 8 9    |      | -     | 2 3   | 2 5   | 4 0   |      | 45 1  | 46 3 | 31 5  |      |
| 3213 Knitting mills                              |       | 34 9   | 47 7   | 66 2   |      | 3 3   | 16 4  | 23 1  | 28 5  |      | 43 1  | 24 1 | 26 4  |      |
| 3214 Carpets and rugs                            |       | 0 7  | 1 0    | 1 3    |      | 0 1   | 0 2   | 0 4   | 0 3   |      | 25 8  | 19 9 | 33 4  |      |
| 3215 Cordage, rope and twine                     |       | 1 4  | 1 7    | 1 9    |      | 0 1   | 0 7   | 0 8   | 0 8   |      | 42 3  | 39 3 | 34 6  |      |
| 3219 Other textiles                              |       | 2 9  | 3 5    | 5 1    |      | -     | 1 0   | 1 4   | 1 8   |      | 34 5  |      | 17 0  |      |
| 322 Wearing apparel, except footwear             | 25 1  | 88 7   | 103 4  | 155 4  |      | 13 4  | 41 3  | 49 7  | 68 4  | 53 2 | 44 0  | 21 5 | 32 8  |      |
| 323 Leather and fur products                     | 7 7   | 21 9   | 25 8   | 35 8   |      | 2 9   | 7 6   | 11 2  | 11 7  | 37 2 | 32 8  | 21 1 | 30 1  |      |
| 3231 Tanneries and leather finishing             |       | 20 3   | 23 1   | 32 8   |      | 2 7   | 6 9   | 10 0  | 10 3  |      | 31 5  | 20 8 | 28 5  |      |
| 3232 Fur dressing and dyeing industries          |       | -  | -      | -      |      | -     | -   | -     | -     |      | -   | -    | -   |      |
| 3233 Leather goods excl. wearing apparel         |       | 1 7  | 2 6    | 3 0    |      | 0 2   | 0 8   | 1 3   | 1 4   |      | 47 8  | 25 5 | 41 7  |      |
| 324 Footwear, except rubber or plastic           | 16 9  | 65 2   | 77 4   | 115 3  |      | 8 2   | 31 2  | 36 9  | 48 4  | 48 4 | 42 0  | 30 3 | 29 8  |      |
| 331 Wood products, except furniture              | 44 9  | 175 5  | 207 2  | 250 0  |      | 23 1  | 72 7  | 81 3  | 101 0 | 51 4 | 40 4  | 15 0 | 24 1  |      |
| 3311 Sawmills, planing and other wood mills      |       | 163 4  | 187 5  | 226 3  |      | 21 9  | 66 7  | 73 1  | 90 3  |      | 39 9  | 15 5 | 23 5  |      |
| 3312 Wooden and cane containers                  |       | 8 3  | 15 0   | 16 4   |      | 1 0   | 4 5   | 7 6   | 7 9   |      | 48 2  | 19 8 | 27 5  |      |
| 3319 Other wood and cork products                |       | 3 8  | 4 7    | 7 3    |      | 0 2   | 1 6   | 0 7   | 2 7   |      | 37 4  | 41 0 | 35 1  |      |
| 332 Furniture and fixtures, excl. metal          | 4 6   | 26 5   | 32 4   | 41 1   |      | 2 3   | 14 6  | 16 2  | 20 7  | 50 0 | 50 3  | 27 0 | 30 7  |      |
| 341 Paper and products                           | 88 0  | 294 5  | 343 6  | 436 3  |      | 44 8  | 152 5   | 171 0 | 227 5 | 50 9 | 52 2  | 10 4 | 10 8  |      |
| 3411 Pulp, paper and paperboard articles         |       | 209 7  | 235 3  | 302 2  |      | 37 8  | 118 7   | 124 0 | 164 9 |      | 54 5  | 9 2  | 10 0  |      |
| 3412 Containers of paper and paperboard          |       | 45 4   | 47 9   | 66 3   |      | 5 9   | 13 2  | 16 1  | 22 2  |      | 33 5  | 18 6 | 22 0  |      |
| 3419 Other pulp, paper and paperboard articles   |       | 39 4   | 60 3   | 67 9   |      | 1 1   | 20 7  | 30 9  | 40 5  |      | 69 8  | 11 7 | 8 0   |      |
| 342 Printing and publishing                      | 29 5  | 93 2   | 121 5  | 169 0  |      | 16 7  | 49 7  | 68 4  | 94 8  | 55 7 | 55 1  | 25 5 | 25 9  |      |
| 351 Industrial chemicals                         | 31 2  | 122 5  | 141 3  | 194 0  |      | 15 2  | 54 2  | 75 3  | 97 9  | 48 7 | 50 5  | 14 4 | 13 7  |      |
| 3511 Basic chemicals excl. fertilizers           |       | 95 8   | 109 7  | 157 6  |      | 12 3  | 53 1  | 61 7  | 84 2  |      | 53 4  | 14 4 | 12 9  |      |
| 3512 Fertilizers and pesticides                  |       | 1 7  | 1 1    | -      |      | 0 1   | 0 6   | 0 8   | -     |      | -   | 27 8 | -   |      |
| 3513 Synthetic resins and plastic materials      |       | 25 0   | 30 4   | 36 4   |      | 2 9   | 10 5  | 12 8  | 13 7  |      | 37 6  | 13 8 | 18 9  |      |
| 352 Other chemicals                              | 81 6  | 275 6  | 351 2  | 457 5  |      | 45 5  | 133 7   | 188 2 | 259 4 | 57 0 | 55 7  | 22 5 | 20 2  |      |
| 3521 Paints, varnishes and lacquers              |       | 25 5   | 37 8   | 49 3   |      | 3 9   | 8 7   | 15 5  | 18 5  |      | 37 5  | 21 8 | 30 1  |      |
| 3522 Drugs and medicines                         |       | 82 5   | 106 2  | 144 5  |      | 18 4  | 45 4  | 58 5  | 86 8  |      | 60 1  | 27 8 | 23 7  |      |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |       | 88 3   | 125 2  | 170 8  |      | 17 2  | 42 4  | 71 5  | 103 9 |      | 60 8  | 18 3 | 16 1  |      |
| 3529 Other chemical products                     |       | 79 2   | 82 1   | 92 8   |      | 7 1   | 37 2  | 42 3  | 50 1  |      | 54 0  | 20 3 | 18 9  |      |
| 353 Petroleum refineries                         | 241 5 | 413 9  | 567 7  | 662 9  |      | 44 7  | 124 5   | 146 5 | 192 2 | 18 5 | 29 0  | 3 2  | 4 0   |      |

|   |        |        |        |        |       |        |        |        |      |      |      |      |
|---|--------|--------|--------|--------|-------|--------|--------|--------|------|------|------|------|
| 354 Misc petroleum and coal products            | 16 8   | 52 8   | 46 1   | 56 7   | 7 6   | 23 2   | 21 1   | 19 1   | 45 1 | 33 7 | 7 8  | 14 3 |
| 355 Rubber products                             | 17 8   | 38 4   | 44 6   | 62 0   | 7 9   | 17 1   | 22 0   | 29 8   | 44 2 | 48 1 | 20 0 | 25 7 |
| 3551 Tyres and tubes                            |        | 25 9   | 32 8   | 45 3   | 4 4   | 10 8   | 15 1   | 21 2   |      | 46 7 | 20 8 | 23 6 |
| 3559 Other rubber products                      |        | 12 5   | 11 9   | 16 6   | 3 5   | 6 2    | 6 9    | 8 6    |      | 52 0 | 18 9 | 30 9 |
| 356 Plastic products                            | 20 7   | 82 2   | 127 8  | 165 5  | 10 1  | 34 9   | 54 4   | 64 1   | 48 8 | 38 7 | 19 9 | 27 3 |
| 361 Pottery, china, earthenware                 | 2 8    | 28 8   | 5 1    | 12 3   | 1 4   | 5 3    | 2 8    | 6 6    | 51 1 | 53 8 | 38 9 | 39 8 |
| 362 Glass and products                          | 6 6    | 22 3   | 25 0   | 32 1   | 4 4   | 13 1   | 16 4   | 18 1   | 66 6 | 56 4 | 16 3 | 25 0 |
| 369 Other non-metallic mineral products         | 32 4   | 107 3  | 126 3  | 175 0  | 18 6  | 50 7   | 66 6   | 59 3   | 57 4 | 56 7 | 16 8 | 17 9 |
| 3691 Structural clay products                   |        | 17 3   | 20 2   | 24 3   | 1 8   | 8 8    | 7 9    | 14 3   |      | 59 0 | 26 3 | 22 9 |
| 3692 Cement, lime and plaster                   |        | 52 6   | 61 7   | 84 2   | 10 9  | 25 8   | 38 0   | 53 8   |      | 63 9 | 12 1 | 13 6 |
| 3699 Other non-metallic mineral products        |        | 37 5   | 44 3   | 66 4   | 5 9   | 16 1   | 20 7   | 31 2   |      | 46 9 | 19 6 | 23 0 |
| 371 Iron and steel                              | 81 8   | 186 3  | 194 2  | 216 4  | 36 3  | 92 9   | 86 6   | 98 9   | 44 4 | 46 7 | 16 7 | 22 3 |
| 372 Non-ferrous metals                          | 349 5  | 1371 0 | 1520 2 | 1580 7 | 189 2 | 605 8  | 523 5  | 631 6  | 54 1 | 33 6 | 4 6  | 6 6  |
| 381 Fabricated metal products                   | 46 6   | 202 4  | 263 7  | 308 1  | 20 9  | 83 2   | 111 7  | 118 3  | 44 8 | 38 4 | 25 8 | 29 3 |
| 3811 Cutlery, hand tools and general hardware   |        | 6 7    | 9 6    | 11 9   | 1 0   | 3 5    | 5 4    | 6 5    |      | 54 5 | 32 1 | 35 6 |
| 3812 Furniture and fixtures primarily of metal  |        | 4 8    | 4 8    | 6 8    | 0 7   | 2 6    | 2 9    | 3 8    |      | 55 3 | 34 9 | 33 8 |
| 3813 Structural metal products                  |        | 83 3   | 121 2  | 131 7  | 4 8   | 34 1   | 45 6   | 43 8   |      | 33 2 | 27 7 | 29 2 |
| 3819 Other fabricated metal products            |        | 107 5  | 128 1  | 157 6  | 14 4  | 42 8   | 57 8   | 64 2   |      | 40 7 | 24 3 | 28 5 |
| 382 Non-electrical machinery                    | 20 1   | 106 7  | 137 0  | 172 4  | 8 1   | 39 2   | 46 2   | 59 7   | 40 4 | 34 6 | 74 1 | 59 4 |
| 3821 Engines and turbines                       |        | 0 2    | 0 2    | 0 8    | -     | 0 2    | 0 2    | 0 6    |      | 74 9 | 33 7 |      |
| 3822 Agricultural machinery and equipment       |        | 1 7    | 1 4    | 2 4    | 0 4   | 0 9    | 0 7    | 0 8    |      | 36 1 | 36 3 | 39 8 |
| 3823 Metal and wood working machinery           |        | 3 5    | 5 2    | 6 7    | 0 3   | 1 3    | 2 2    | 3 2    |      | 48 0 | 14 6 | 38 0 |
| 3824 Other special industrial machinery         |        | 41 2   | 51 4   | 63 5   | -     | 11 1   | 7 6    | 11 0   |      | 17 3 |      |      |
| 3825 Office, computing and accounting machinery |        | -      | -      | -      | -     | -      | -      | -      |      | -    | -    | -    |
| 3829 Other non-electrical machinery & equipment |        | 60 0   | 78 8   | 99 1   | 7 3   | 25 8   | 35 5   | 44 1   |      | 44 5 | 79 2 | 46 2 |
| 383 Electrical machinery                        | 15 8   | 66 6   | 73 9   | 78 0   | 9 8   | 34 9   | 38 1   | 40 2   | 62 2 | 51 6 | 26 7 | 25 5 |
| 3831 Electrical industrial machinery            |        | 19 2   | 28 3   | 28 3   | 1 2   | 12 4   | 18 2   | 17 2   |      | 61 0 | 74 3 | 19 8 |
| 3832 Radio, television and communication equipm |        | 15 3   | 5 8    | 7 3    | 2 4   | 6 8    | 3 0    | 3 6    |      | 42 1 | 14 0 | 15 4 |
| 3833 Electrical appliances and housewares       |        | 3 6    | 5 0    | 1 9    | 0 3   | 1 6    | 2 6    | 0 5    |      | 26 1 | 34 6 | 57 3 |
| 3839 Other electrical apparatus and supplies    |        | 28 5   | 34 7   | 40 6   | 5 9   | 14 1   | 14 3   | 19 0   |      | 46 8 | 21 5 | 31 7 |
| 384 Transport equipment                         | 21 6   | 136 5  | 131 3  | 172 5  | 7 9   | 29 6   | 46 6   | 50 3   | 36 6 | 29 2 | 23 6 | 26 9 |
| 3841 Shipbuilding and repairing                 |        | 14 4   | 23 5   | 22 7   | 1 7   | 6 7    | 10 6   | 8 4    |      | 37 2 | 39 9 | 35 3 |
| 3842 Railroad equipment                         |        | 3 7    | 2 9    | 3 4    | 0 2   | 1 3    | 1 3    | 1 7    |      | 48 6 |      | 84 3 |
| 3843 Motor vehicles                             |        | 115 5  | 92 8   | 131 8  | 5 8   | 20 2   | 25 3   | 30 6   |      | 23 2 | 14 9 | 22 8 |
| 3844 Motorcycles and bicycles                   |        | 2 9    | 3 7    | 5 5    | 0 2   | 1 4    | 2 1    | 2 8    |      | 49 9 | 22 9 | 18 2 |
| 3845 Aircraft                                   |        | -      | 7 8    | 8 1    | -     | -      | 6 9    | 6 4    |      | 79 2 |      | 24 1 |
| 3849 Other transport equipment                  |        | -      | 0 6    | 0 9    | -     | -      | 0 4    | 0 5    |      | 69 5 |      | 27 4 |
| 385 Professional and scientific equipment       | 1 0    | 4 1    | 5 6    | 7 5    | 0 6   | 2 2    | 2 6    | 4 2    | 61 0 | 55 3 | 25 4 | 30 6 |
| 3851 Prof and scientific equipment n e c        |        | 2 9    | 4 1    | 5 3    | 0 2   | 1 5    | 1 8    | 3 0    |      | 57 1 | 31 9 | 25 6 |
| 3852 Photographic and optical goods             |        | 1 2    | 1 5    | 2 2    | 0 4   | 0 6    | 0 8    | 1 1    |      | 51 0 | 21 6 | 43 3 |
| 3853 Watches and clocks                         |        | -      | -      | -      | -     | -      | -      | -      |      | -    | -    | -    |
| 390 Other manufacturing industries              | 1 8    | 6 4    | 7 8    | 10 3   | 1 1   | 3 4    | 4 4    | 5 3    | 59 6 | 51 4 | 28 9 | 39 4 |
| 3901 Jewellery and related articles             |        | 0 7    | 0 9    | 0 8    | 0 4   | 0 6    | 0 6    | 0 4    |      | 57 5 | 26 9 | 77 0 |
| 3902 Musical instruments                        |        | -      | -      | 0 2    | -     | -      | -      | 0 1    |      | 41 7 |      | 27 7 |
| 3903 Sporting and athletic goods                |        | 0 2    | -      | -      | -     | 0 1    | -      | -      |      | -    | -    | -    |
| 3909 Manufacturing industries, n e c            |        | 5 5    | 6 9    | 9 4    | 0 7   | 2 8    | 3 8    | 4 8    |      | 51 1 | 29 8 | 36 2 |
| 3 Total manufacturing                           | 1687 6 | 5469 9 | 6471 8 | 8041 0 | 759 0 | 2267 4 | 2665 3 | 3325 0 | 45 0 | 41 3 | 13 7 | 17 7 |

## Chile

| ISIC Industry                             | Gross fixed capital formation |                 |        |        | Index numbers of industrial production |      |            |      |      |      |      |      |      |      |      |
|---|-------------------------------|-----------------|--------|--------|--|------|------------|------|------|------|------|------|------|------|------|
|   | Note                          | (million PESOS) |        |        |  | Note | (1980=100) |      |      |      |      |      |      |      |      |
|   |                               | 1985            | 1989   | 1990   | 1991                                   |      | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |                               | 12071           | 50657  | 70514  | 79719                                  | a/   | 126        | 123  | 134  | 128  | 134  | 144  | 138  | 139  | 163  |
| 313 Beverages                             |                               | 392             | 6345   | 4963   | 19429                                  |      | 97         | 100  | 101  | 99   | 118  | 143  | 143  | 141  | 155  |
| 314 Tobacco                               |                               | 636             | 561    | 3055   | 1048                                   |      | 77         | 77   | 79   | 78   | 86   | 92   | 96   | 96   | 103  |
| 321 Textiles                              |                               | 1194            | 14317  | 8427   | 11253                                  |      | 98         | 105  | 124  | 130  | 124  | 126  | 118  | 130  | 125  |
| 322 Wearing apparel, except footwear      |                               | 630             | 3980   | 2462   | 3672                                   |      | 78         | 84   | 93   | 101  | 98   | 108  | 101  | 114  | 109  |
| 323 Leather and fur products              |                               | 127             | 433    | 1787   | 491                                    |      | 82         | 70   | 55   | 59   | 55   | 69   | 76   | 88   | 84   |
| 324 Footwear, except rubber or plastic    |                               | 334             | 2341   | 1544   | 3137                                   |      | 101        | 96   | 97   | 96   | 103  | 115  | 109  | 129  | 134  |
| 331 Wood products, except furniture       |                               | 1651            | 12099  | 10108  | 6703                                   | b/   | 99         | 95   | 97   | 116  | 111  | 94   | 97   | 91   | 79   |
| 332 Furniture and fixtures, excl. metal   |                               | 129             | 838    | 868    | 1418                                   |      | 67         | 77   | 117  | 195  | 244  | 279  | 288  | 288  | 281  |
| 341 Paper and products                    |                               | 2861            | 30250  | 30017  | 356384                                 |      | 109        | 115  | 122  | 123  | 135  | 137  | 141  | 155  | 185  |
| 342 Printing and publishing               |                               | 223             | 5853   | 4331   | 10232                                  |      | 90         | 80   | 95   | 101  | 108  | 129  | 146  | 190  | 255  |
| 351 Industrial chemicals                  |                               | 1509            | 3790   | 6929   | 16529                                  |      | 89         | 91   | 91   | 103  | 118  | 120  | 119  | 129  | 138  |
| 352 Other chemicals                       |                               | 1606            | 11225  | 9169   | 9302                                   |      | 103        | 99   | 113  | 116  | 126  | 139  | 138  | 143  | 163  |
| 353 Petroleum refineries                  |                               | 1417            | 4013   | 3430   | 5534                                   |      | 84         | 85   | 89   | 95   | 108  | 131  | 133  | 136  | 142  |
| 354 Misc petroleum and coal products      |                               | 104             | 2072   | -966   | 529                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 355 Rubber products                       |                               | 310             | 2053   | 2528   | 3142                                   |      | 103        | 99   | 91   | 98   | 95   | 105  | 103  | 145  | 167  |
| 356 Plastic products                      |                               | 1291            | 4027   | 8941   | 9475                                   |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 361 Pottery, china, earthenware           |                               | 71              | 839    | 296    | 221                                    |      | 115        | 131  | 138  | 145  | 151  | 166  | 147  | 140  | 137  |
| 362 Glass and products                    |                               | -6              | 1055   | -53    | 3990                                   |      | 79         | 92   | 109  | 102  | 129  | 183  | 182  | 198  | 227  |
| 369 Other non-metallic mineral products   |                               | 852             | 13722  | 12665  | 18306                                  |      | 89         | 92   | 109  | 97   | 130  | 147  | 129  | 140  | 168  |
| 371 Iron and steel                        |                               | 1469            | 1458   | 8075   | 11801                                  |      | 91         | 90   | 92   | 96   | 120  | 120  | 106  | 106  | 127  |
| 372 Non-ferrous metals                    |                               | 6784            | 9624   | 14043  | 21019                                  | c/   | 114        | 110  | 115  | 117  | 123  | 131  | 138  | 132  | 142  |
| 381 Fabricated metal products             |                               | 802             | 13101  | 13819  | 11345                                  |      | 83         | 90   | 97   | 109  | 118  | 129  | 127  | 127  | 157  |
| 382 Non-electrical machinery              |                               | 737             | 7479   | 9335   | 6367                                   |      | 48         | 42   | 55   | 63   | 64   | 80   | 89   | 88   | 127  |
| 383 Electrical machinery                  |                               | 827             | 6347   | 2755   | 8274                                   |      | 75         | 76   | 96   | 110  | 124  | 135  | 141  | 151  | 174  |
| 384 Transport equipment                   |                               | 441             | 3319   | 2828   | 2399                                   |      | 38         | 48   | 43   | 49   | 51   | 64   | 56   | 60   | 70   |
| 385 Professional and scientific equipment |                               | 17              | 110    | 107    | 132                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 390 Other manufacturing industries        |                               | 45              | 228    | 259    | 600                                    |      | 74         | 57   | 60   | 63   | 58   | 63   | 64   | 58   | 57   |
| 3 Total manufacturing                     |                               | 38505           | 212737 | 232218 | 622349                                 | d/   | 100        | 100  | 108  | 111  | 119  | 129  | 128  | 133  | 151  |

a/ Excluding slaughtering  
c/ Excluding smelting and refining of copper.

b/ Excluding sawmills.  
d/ Excluding slaughtering, sawmills, and smelting and refining of copper.

## CHINA

**Supplier of information:**

State Statistical Bureau, Beijing.

**Basic source of data:**

Regular reports of industrial undertakings.

**Major deviations from current version of ISIC:**

Data collected under the national classification system have been reclassified by the national authorities to correspond approximately with the current version of the ISIC.

**Reference period (if not calendar year):****Scope:**

Coverage varies from table to table. The average number of employees relates to state-owned enterprises. The estimates of output and value added relate to whole-people-owned and collectively-owned industrial enterprises with independent accounting systems. For wages and salaries, coverage is not reported.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

No deviations from the standard UN concepts and definitions are reported.

**Related national publications:**

China: Statistical Yearbook (annual), published by the State Statistical Bureau, Beijing.

## China

| ISIC Industry                             | Note | Number of enterprises |        |        |        | Note | Number of employees |        |        |        | Note | Wages and salaries paid to employees |      |      |      |
|---|------|-----------------------|--------|--------|--------|------|---------------------|--------|--------|--------|------|--------------------------------------|------|------|------|
|   |      | (numbers)             |        |        |        |      | (thousands)         |        |        |        |      | (million YUAN)                       |      |      |      |
|   |      | 1985                  | 1990   | 1991   | 1992   |      | 1985                | 1990   | 1991   | 1992   |      | 1985                                 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      | 61130                 | 58056  | 56522  | 53430  |      | 2319                | 3640a/ | 3640a/ | 3910a/ |      | 3020a/                               |      |      |      |
| 313 Beverages                             |      | 17757                 | 16856  | 16881  | 16495  |      | 582                 | a/     | a/     | a/     |      | a/                                   |      |      |      |
| 314 Tobacco                               |      | 399                   | 450    | 458    | 479    |      | 232                 | a/     | a/     | a/     |      | a/                                   |      |      |      |
| 321 Textiles                              |      | 21631                 | 27684  | 27575  | 27217  |      | 4229                | 5060   | 5110   | 5060   |      | 4288                                 |      |      |      |
| 322 Wearing apparel, except footwear      | b/   | 23545                 | 20363  | 20550  | 20313  | b/   | 167                 | 210    | 220    | 220    |      | 175b/                                |      |      |      |
| 323 Leather and fur products              |      | 7735                  | 9063   | 9344   | 9240   |      | 212                 | 240    | 240    | 220    |      | 218                                  |      |      |      |
| 324 Footwear, except rubber or plastic    | b/   |                       |        |        |        | b/   |                     |        |        |        |      | b/                                   |      |      |      |
| 331 Wood products, except furniture       |      | 14059                 | 13562  | 13621  | 13353  |      | 258                 | 260    | 290    | 270    |      | 285                                  |      |      |      |
| 332 Furniture and fixtures, excl metal    |      | 12993                 | 11792  | 11241  | 10762  |      | 63                  | 70     | 60     | 60     |      | 67                                   |      |      |      |
| 341 Paper and products                    |      | 9243                  | 12163  | 12373  | 12619  |      | 584                 | 730    | 760    | 790    |      | 619                                  |      |      |      |
| 342 Printing and publishing               |      | 12175                 | 14329  | 14641  | 14895  |      | 497                 | 550    | 560    | 670    |      | 512                                  |      |      |      |
| 351 Industrial chemicals                  |      | 11308                 | 16350  | 16940  | 17772  |      | 3275                | 4040   | 4220   | 4330   |      | 2817                                 |      |      |      |
| 352 Other chemicals                       |      | 7049                  | 10146  | 10549  | 11099  | c/   |                     |        |        |        |      | 951                                  |      |      |      |
| 353 Petroleum refineries                  |      | 470                   | 955    | 980    | 1076   | c/   |                     |        |        |        |      | 436                                  |      |      |      |
| 354 Misc petroleum and coal products      |      | 1992                  | 2922   | 3850   | 3770   |      | 297                 | 440    | 490    | 520    |      | 157                                  |      |      |      |
| 355 Rubber products                       |      | 3619                  | 4260   | 4316   | 4354   |      | 140                 | 210    | 220    | 240    |      | 157                                  |      |      |      |
| 356 Plastic products                      |      | 13519                 | 16916  | 17116  | 17553  |      | 367                 | 450    | 450    | 450    |      | 428                                  |      |      |      |
| 361 Pottery, china, earthenware           |      | 3357                  | 3418   | 3410   | 3384   |      | 182                 | 230    | 230    | 230    |      | 186                                  |      |      |      |
| 362 Glass and products                    |      | 2967                  | 3264   | 3229   | 3268   | d/   | 2408                | 2700   | 2810   | 2890   |      | 2740d/                               |      |      |      |
| 369 Other non-metallic mineral products   |      | 52017                 | 55275  | 54110  | 53854  | d/   |                     |        |        |        |      | d/                                   |      |      |      |
| 371 Iron and steel                        |      | 2471                  | 3710   | 3731   | 4086   |      | 2281                | 2560   | 2580   | 2660   |      | 2985                                 |      |      |      |
| 372 Non-ferrous metals                    |      | 1488                  | 2742   | 2796   | 2883   |      | 520                 | 690    | 710    | 730    |      | 710                                  |      |      |      |
| 381 Fabricated metal products             |      | 32032                 | 31179  | 32832  | 32238  |      | 506                 | 540    | 550    | 540    |      | 676                                  |      |      |      |
| 382 Non-electrical machinery              |      | 45934                 | 48179  | 48189  | 47767  |      | 6820                | 6960   | 6880   | 6820   |      | 11845e/                              |      |      |      |
| 383 Electrical machinery                  |      | 17339                 | 16933  | 22847  | 22258  |      | 3271f/              | 1960   | 2120   | 2090   |      | e/                                   |      |      |      |
| 384 Transport equipment                   |      | 11219                 | 14185  | 14527  | 14798  |      | f/                  | 1490   | 1650   | 1710   |      | e/                                   |      |      |      |
| 385 Professional and scientific equipment |      | 3619                  | 4078   | 4096   | 4050   |      | f/                  | 420    | 420    | 470    |      | e/                                   |      |      |      |
| 390 Other manufacturing industries        |      | 28938                 | 35716  | 29237  | 29119  |      | 443                 | 500    | 420    | 450    |      | 345                                  |      |      |      |
| 3 Total manufacturing                     |      | 420015                | 456536 | 455959 | 463142 |      | 29743               | 33960  | 34810  | 35230  |      | 33360                                |      |      |      |

a/ 311/2 includes 313 and 314

c/ 351 includes 352

e/ 382 includes 383, 384 and 385

b/ 322 includes 324

d/ 361 includes 362 and 369

f/ 383 includes 384 and 385



## China

| ISIC Industry                             | Note | Output         |          |          |      | Note   | Value added    |        |        |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|----------------|----------|----------|------|--------|----------------|--------|--------|------|--------------------------------|------|--|------|
|   |      | (million YUAN) |          |          |      |        | (million YUAN) |        |        |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985           | 1990     | 1991     | 1992 |        | 1985           | 1990   | 1991   | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       |      | 138936         | 162872   | 187156   |      | 10082  | 21471          | 26813  | 29691  |      | 15.8                           |      |  |      |
| 313 Beverages                             |      | 38497          | 46245    | 56840    |      | 4980   | 11648          | 16240  | 19360  |      | 34.0                           |      |  |      |
| 314 Tobacco                               |      | 51199          | 54745    | 64662    |      | 11744  | 29760          | 31627  | 36947  |      | 55.6                           |      |  |      |
| 321 Textiles                              |      | 229108         | 263327   | 289916   |      | 26221  | 49261          | 60278  | 69376  |      | 20.6                           | 17.0 |  |      |
| 322 Wearing apparel, except footwear      |      | 41464a/        | 52296a/  | 68158a/  | a/   | 6041   | 10086          | 12243  | 16928  |      | 23.4                           | 3.5  |  |      |
| 323 Leather and fur products              |      | 19911          | 25335    | 32620    |      | 2196   | 4616           | 6666   | 7127   |      | 21.9                           | 9.9  |  |      |
| 324 Footwear, except rubber or plastic    |      | a/             | a/       | a/       | a/   |        |                |        |        |      |                                |      |  |      |
| 331 Wood products, except furniture       |      | 10323          | 12228    | 16726    |      | 1736   | 2403           | 2811   | 3692   |      | 23.6                           | 16.4 |  |      |
| 332 Furniture and fixtures, excl metal    |      | 8137           | 9036     | 11409    |      | 1509   | 2174           | 2404   | 3017   |      | 26.4                           | 4.4  |  |      |
| 341 Paper and products                    |      | 38871          | 42344    | 49294    |      | 4600   | 9324           | 9871   | 11740  |      | 23.8                           | 13.8 |  |      |
| 342 Printing and publishing               |      | 17339          | 21641    | 26236    |      | 2820   | 4967           | 5930   | 7329   |      | 27.9                           | 18.2 |  |      |
| 351 Industrial chemicals                  |      | 212067b/       | 240401b/ | 286164b/ | b/   | 23133  | 66666          | 64412  | 76464  |      | 26.8                           |      |  |      |
| 352 Other chemicals                       |      | b/             | b/       | b/       | b/   |        |                |        |        |      |                                |      |  |      |
| 353 Petroleum refineries                  |      | 50187          | 71485    | 90026    |      | 10797  | 12981          | 16876  | 19047  |      | 21.2                           | 4.0  |  |      |
| 354 Misc petroleum and coal products      |      | 7135           | 8437     | 9291     |      | 637    | 996            | 1221   | 997    |      | 10.7                           | 29.2 |  |      |
| 355 Rubber products                       |      | 28490          | 31728    | 38128    |      | 4679   | 7668           | 8786   | 11142  |      | 29.2                           | 9.1  |  |      |
| 356 Plastic products                      |      | 34982          | 43923    | 56600    |      | 3869   | 8303           | 9820   | 13107  |      | 23.2                           | 4.8  |  |      |
| 361 Pottery, china, earthenware           |      | 89057c/        | 106540c/ | 142240c/ | c/   | 16428  | 27427          | 33693  | 47644  |      | 33.4                           | 16.7 |  |      |
| 362 Glass and products                    |      | c/             | c/       | c/       | c/   |        |                |        |        |      |                                |      |  |      |
| 369 Other non-metallic mineral products   |      | c/             | c/       | c/       | c/   |        |                |        |        |      |                                |      |  |      |
| 371 Iron and steel                        |      | 129878         | 153850   | 208078   |      | 17063  | 31431          | 37466  | 52228  |      | 26.1                           | 17.5 |  |      |
| 372 Non-ferrous metals                    |      | 50946          | 67356    | 70911    |      | 6080   | 9807           | 10729  | 13796  |      | 19.6                           | 14.0 |  |      |
| 381 Fabricated metal products             |      | 62267          | 61623    | 80043    |      | 7582   | 14090          | 16934  | 20184  |      | 26.2                           | 7.6  |  |      |
| 382 Non-electrical machinery              |      | 167406         | 199640   | 267192   |      | 32133  | 48386          | 56500  | 76616  |      | 28.3                           |      |  |      |
| 383 Electrical machinery                  |      | 138128         | 168181   | 216610   |      | 18966  | 36611          | 42266  | 54292  |      | 26.1                           |      |  |      |
| 384 Transport equipment                   |      | 71387          | 97676    | 164401   |      | 12143  | 18739          | 24492  | 39679  |      | 26.7                           |      |  |      |
| 385 Professional and scientific equipment |      | 11012          | 13671    | 18261    |      | 2999   | 4033           | 4961   | 6437   |      | 36.2                           |      |  |      |
| 390 Other manufacturing industries        |      | 36464          | 42632    | 54388    |      | 4966   | 10166          | 12094  | 14743  |      | 27.1                           | 7.0  |  |      |
| 3 Total manufacturing                     |      | 1672160        | 1976708  | 2493139  |      | 230202 | 431712         | 602200 | 636363 |      | 26.6                           | 14.6 |  |      |

a/ 322 includes 324

c/ 361 includes 362 and 369

b/ 361 includes 362

## China

| ISIC Industry                             | Gross fixed capital formation |                |      |      |      | Index numbers of industrial production |            |      |      |      |      |      |      |      |      |  |
|---|-------------------------------|----------------|------|------|------|--|------------|------|------|------|------|------|------|------|------|--|
|   | Note                          | (million YUAN) |      |      |      | Note                                   | (1980=100) |      |      |      |      |      |      |      |      |  |
|   |                               | 1985           | 1990 | 1991 | 1992 |  | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |  |
| 311/2 Food Products                       |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 313 Beverages                             |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 314 Tobacco                               |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 321 Textiles                              |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 322 Wearing apparel, except footwear      |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 323 Leather and fur products              |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 324 Footwear, except rubber or plastic    |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 331 Wood products, except furniture       |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 332 Furniture and fixtures, excl metal    |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 341 Paper and products                    |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 342 Printing and publishing               |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 351 Industrial chemicals                  |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 352 Other chemicals                       |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 353 Petroleum refineries                  |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 354 Misc petroleum and coal products      |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 355 Rubber products                       |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 356 Plastic products                      |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 361 Pottery, china, earthenware           |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 362 Glass and products                    |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 369 Other non-metallic mineral products   |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 371 Iron and steel                        |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 372 Non-ferrous metals                    |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 381 Fabricated metal products             |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 382 Non-electrical machinery              |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 383 Electrical machinery                  |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 384 Transport equipment                   |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 385 Professional and scientific equipment |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 390 Other manufacturing industries        |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 3 Total manufacturing                     |                               | ...            | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |

## COLOMBIA

**Supplier of information:**

Departamento Administrativo Nacional de Estadística, Bogotá.  
The index numbers of industrial production are compiled by the Banco de la Republica.

**Basic source of data:**

Annual manufacturing survey.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

Establishments with 10 or more persons engaged. However, those establishments which were covered in the preceding year but have less than 10 persons engaged during the year of reference are also included in the survey.

The indices of industrial production cover all establishments with 10 or more persons engaged.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of employees is as of the pay period which includes 15 November. Persons on strike are excluded, while apprentices are included.

Wages and salaries represents all payments, in cash and in kind, made to employees during the year. Employer's contributions to social insurance, welfare funds and other similar schemes are excluded, unless otherwise indicated.

Output is the value of goods produced by the establishment, adjusted for the net change in the value of work in progress, receipts for industrial services rendered to others, the value of goods shipped in the same condition as received and the value of electricity sold.

Value added is output less the cost of raw materials, supplies, fuels, electricity purchased and industrial services rendered by others.

Gross fixed capital formation refers to the value of purchases and own-account construction of fixed assets, less the value of sales and depreciation. The revaluation of fixed assets over the year is taken into account.

**Related national publications:**

Industria Manufacturera (annual); Boletín Mensual de Estadística (la Industria Manufacturera); Anuario General de Estadística, Tomo IV; Informe al Congreso Nacional (annual), all published by the Departamento Administrativo Nacional de Estadística, Bogotá.

## Colombia

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note  | Number of employees |       |       |      | Note  | Wages and salaries paid to employees |       |        |      |
|--|------|--------------------------|------|------|------|-------|---------------------|-------|-------|------|-------|--------------------------------------|-------|--------|------|
|  |      | (numbers)                |      |      |      |       | (numbers)           |       |       |      |       | (million PESOS)                      |       |        |      |
|  |      | 1985                     | 1989 | 1990 | 1991 |       | 1985                | 1989  | 1990  | 1991 |       | 1985                                 | 1989  | 1990   | 1991 |
| 311/2 Food Products                              | 1096 | 1315                     | 1357 | 1324 |      | 67394 | 78590               | 79300 | 81191 |      | 26489 | 69432                                | 90964 | 120164 |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 102                      | 99   | 101  |      | 7059  | 8430                | 7827  | 9121  |      | 2281  | 6616                                 | 7769  | 11743  |      |
| 3112 Dairy products                              |      | 104                      | 106  | 100  |      | 7325  | 8994                | 9282  | 9616  |      | 3008  | 8836                                 | 11600 | 16470  |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 35                       | 33   | 35   |      | 1029  | 1564                | 1546  | 1334  |      | 306   | 906                                  | 1249  | 1602   |      |
| 3114 Canning, preserving and processing of fish  |      | 12                       | 11   | 11   |      | 528   | 740                 | 753   | 939   |      | 186   | 566                                  | 790   | 1364   |      |
| 3115 Vegetable and animal oils and fats          |      | 55                       | 64   | 64   |      | 6591  | 8051                | 9698  | 9493  |      | 3460  | 9197                                 | 12987 | 16477  |      |
| 3116 Grain mill products                         |      | 328                      | 366  | 353  |      | 8840  | 8910                | 9700  | 9723  |      | 2830  | 7177                                 | 9960  | 13141  |      |
| 3117 Bakery products                             |      | 353                      | 347  | 336  |      | 13254 | 15606               | 16966 | 16801 |      | 4003  | 11166                                | 14399 | 18711  |      |
| 3118 Sugar factories and refineries              |      | 38                       | 34   | 33   |      | 9330  | 9476                | 9169  | 9678  |      | 3622  | 9418                                 | 11234 | 16362  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 56                       | 58   | 56   |      | 3918  | 4079                | 4401  | 4604  |      | 1606  | 3964                                 | 6660  | 7630   |      |
| 3121 Other food products                         |      | 162                      | 172  | 171  |      | 6260  | 7637                | 7660  | 8018  |      | 2999  | 8442                                 | 11178 | 14884  |      |
| 3122 Prepared animal feeds                       |      | 70                       | 67   | 64   |      | 3260  | 3214                | 3339  | 3166  |      | 1288  | 3126                                 | 4338  | 4900   |      |
| 313 Beverages                                    | 124  | 132                      | 133  | 131  |      | 24659 | 23810               | 23300 | 23207 |      | 12704 | 28091                                | 36366 | 44393  |      |
| 3131 Distilling, rectifying and blending spirits |      | 25                       | 26   | 26   |      | 4611  | 4769                | 4721  | 4670  |      | 1984  | 4972                                 | 6296  | 7928   |      |
| 3132 Wine industries                             |      | 20                       | 20   | 18   |      | 740   | 626                 | 622   | 571   |      | 217   | 421                                  | 498   | 626    |      |
| 3133 Malt liquors and malt                       |      | 23                       | 23   | 24   |      | 7579  | 7498                | 7486  | 7441  |      | 6177  | 11166                                | 14402 | 17736  |      |
| 3134 Soft drinks and carbonated waters           |      | 64                       | 64   | 63   |      | 11729 | 10918               | 10471 | 10626 |      | 6327  | 11642                                | 14169 | 18106  |      |
| 314 Tobacco                                      | 14   | 13                       | 12   | 12   |      | 2973  | 2461                | 2000  | 2346  |      | 1340  | 2772                                 | 2711  | 4478   |      |
| 321 Textiles                                     | 443  | 502                      | 498  | 486  |      | 50806 | 53284               | 52800 | 54060 |      | 17631 | 44781                                | 66707 | 74796  |      |
| 3211 Spinning, weaving and finishing textiles    |      | 235                      | 227  | 225  |      | 34631 | 36646               | 36249 | 36930 |      | 13038 | 32846                                | 41436 | 66830  |      |
| 3212 Made-up textile goods excl wearing apparel  |      | 37                       | 41   | 33   |      | 967   | 1408                | 1621  | 1161  |      | 264   | 963                                  | 1344  | 1210   |      |
| 3213 Knitting mills                              |      | 191                      | 191  | 189  |      | 13179 | 13969               | 13939 | 14006 |      | 3621  | 9396                                 | 11891 | 16086  |      |
| 3214 Carpets and rug                             |      | 17                       | 19   | 18   |      | 878   | 706                 | 591   | 648   |      | 274   | 470                                  | 566   | 672    |      |
| 3215 Cordage, rope and twine                     |      | 10                       | 9    | 9    |      | 341   | 387                 | 444   | 392   |      | 87    | 232                                  | 296   | 386    |      |
| 3219 Other textiles                              |      | 12                       | 11   | 12   |      | 820   | 1178                | 966   | 1024  |      | 267   | 866                                  | 1176  | 1614   |      |
| 322 Wearing apparel, except footwear             | 979  | 1073                     | 1049 | 972  |      | 46078 | 46418               | 46800 | 47314 |      | 10084 | 26060                                | 32030 | 41784  |      |
| 323 Leather and fur products                     | 92   | 113                      | 117  | 109  |      | 6079  | 7016                | 8100  | 7918  |      | 1907  | 4916                                 | 7260  | 9096   |      |
| 3231 Tanneries and leather finishing             |      | 29                       | 31   | 32   |      | 3282  | 3126                | 3086  | 2968  |      | 1228  | 2760                                 | 3643  | 4494   |      |
| 3232 Fur dressing and dyeing industries          |      | 6                        | 5    | 5    |      | 398   | 312                 | 314   | 297   |      | 124   | 227                                  | 316   | 306    |      |
| 3233 Leather prods excl wearing apparel          |      | 78                       | 81   | 72   |      | 2399  | 3678                | 4701  | 4663  |      | 666   | 1928                                 | 3392  | 4296   |      |
| 324 Footwear, except rubber or plastic           | 232  | 303                      | 286  | 279  |      | 9417  | 14822               | 16200 | 14916 |      | 2463  | 9207                                 | 11882 | 16346  |      |
| 331 Wood products, except furniture              | 166  | 192                      | 184  | 183  |      | 6447  | 6613                | 6300  | 6636  |      | 1660  | 4770                                 | 6726  | 7716   |      |
| 3311 Sawmills, planing and other wood mills      |      | 149                      | 146  | 146  |      | 4636  | 5638                | 5226  | 5271  |      | 1366  | 4163                                 | 4971  | 6392   |      |
| 3312 Wooden and cane containers                  |      | 3                        | 3    | 3    |      | 88    | 88                  | 100   | 97    |      | 16    | 44                                   | 69    | 106    |      |
| 3319 Other wood and cork products                |      | 40                       | 36   | 36   |      | 824   | 987                 | 976   | 1268  |      | 179   | 663                                  | 696   | 1217   |      |
| 332 Furniture and fixtures, excl metal           | 164  | 237                      | 238  | 222  |      | 6420  | 9210                | 8700  | 7274  |      | 1634  | 6127                                 | 6116  | 6686   |      |
| 341 Paper and products                           | 135  | 162                      | 160  | 144  |      | 10698 | 11018               | 11800 | 11767 |      | 6792  | 14314                                | 19246 | 26168  |      |
| 3411 Pulp, paper and paperboard articles         |      | 33                       | 32   | 28   |      | 4944  | 5111                | 5446  | 5662  |      | 3460  | 8366                                 | 11138 | 16406  |      |
| 3412 Containers of paper and paperboard          |      | 78                       | 82   | 77   |      | 3722  | 3846                | 4266  | 4029  |      | 1476  | 3931                                 | 6376  | 6897   |      |
| 3419 Other pulp, paper and paperboard articles   |      | 41                       | 36   | 39   |      | 1932  | 2062                | 2100  | 2166  |      | 867   | 2027                                 | 2732  | 3866   |      |
| 342 Printing and publishing                      | 342  | 378                      | 370  | 373  |      | 18199 | 21710               | 21900 | 20961 |      | 6377  | 18336                                | 23841 | 28442  |      |
| 351 Industrial chemicals                         | 114  | 146                      | 146  | 147  |      | 16281 | 16099               | 16700 | 16092 |      | 9846  | 24776                                | 34417 | 39642  |      |
| 3511 Basic chemicals excl fertilizers            |      | 92                       | 94   | 97   |      | 6193  | 6662                | 6787  | 6229  |      | 3118  | 8291                                 | 10683 | 13469  |      |
| 3512 Fertilizers and pesticides                  |      | 25                       | 26   | 25   |      | 3330  | 3970                | 4300  | 3374  |      | 2924  | 7667                                 | 11404 | 10648  |      |
| 3513 Synthetic resins and plastic materials      |      | 28                       | 26   | 26   |      | 5758  | 6667                | 6613  | 6469  |      | 3803  | 8928                                 | 12330 | 16626  |      |
| 352 Other chemicals                              | 280  | 327                      | 331  | 326  |      | 23069 | 24716               | 26100 | 28939 |      | 11860 | 30229                                | 41192 | 62690  |      |
| 3521 Paints, varnishes and lacquers              |      | 30                       | 32   | 29   |      | 1319  | 2267                | 2706  | 3202  |      | 663   | 2341                                 | 3690  | 7230   |      |
| 3522 Drugs and medicines                         |      | 119                      | 118  | 121  |      | 12026 | 11610               | 11466 | 12266 |      | 7266  | 16764                                | 21890 | 31086  |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 80                       | 77   | 79   |      | 6263  | 6367                | 7016  | 6309  |      | 2411  | 6823                                 | 9122  | 16719  |      |
| 3529 Other chemical products                     |      | 98                       | 104  | 96   |      | 4461  | 4471                | 4920  | 4872  |      | 1621  | 4301                                 | 6490  | 8666   |      |
| 353 Petroleum refineries                         | 5    | 5                        | 6    | 6    |      | 4966  | 6182                | 6400  | 4789  |      | 4370  | 11496                                | 16226 | 16640  |      |

|   |      |      |      |      |        |        |        |        |        |        |        |        |
|---|------|------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|
| 354 Misc petroleum and coal products            | 19   | 29   | 28   | 24   | 853    | 972    | 1000   | 989    | 304    | 815    | 1101   | 1412   |
| 355 Rubber products                             | 73   | 82   | 78   | 76   | 5765   | 6240   | 6400   | 6361   | 3407   | 7806   | 10819  | 14890  |
| 3551 Tyres and tubes                            |      | 26   | 24   | 25   | 3426   | 3722   | 3972   | 4006   | 2382   | 6002   | 8587   | 11827  |
| 3559 Other rubber products                      |      | 56   | 54   | 51   | 3339   | 2518   | 2428   | 2346   | 1026   | 1804   | 2232   | 3068   |
| 356 Plastic products                            | 291  | 369  | 372  | 370  | 17415  | 18664  | 18800  | 21640  | 5364   | 15065  | 19716  | 30478  |
| 361 Pottery, china, earthenware                 | 28   | 27   | 26   | 24   | 4559   | 5157   | 5300   | 5600   | 1575   | 4428   | 5854   | 7913   |
| 362 Glass and products                          | 50   | 76   | 74   | 72   | 5763   | 6554   | 7000   | 6606   | 2600   | 7450   | 9407   | 10716  |
| 369 Other non-metallic mineral products         | 288  | 308  | 312  | 314  | 19751  | 21023  | 20500  | 20447  | 7597   | 19981  | 25434  | 32427  |
| 3691 Structural clay products                   |      | 102  | 104  | 101  | 5581   | 6010   | 6183   | 6026   | 1533   | 4181   | 5251   | 6664   |
| 3692 Cement, lime and plaster                   |      | 28   | 27   | 26   | 5561   | 5500   | 6183   | 6167   | 2741   | 7615   | 9844   | 12356  |
| 3699 Other non-metallic mineral products        |      | 178  | 181  | 187  | 8509   | 8513   | 8134   | 8254   | 3224   | 8185   | 10339  | 13402  |
| 371 Iron and steel                              | 59   | 68   | 68   | 71   | 10443  | 10125  | 9300   | 9427   | 5390   | 11864  | 13310  | 19420  |
| 372 Non-ferrous metals                          | 24   | 35   | 34   | 34   | 1757   | 2006   | 2200   | 2270   | 805    | 2077   | 2976   | 3882   |
| 381 Fabricated metal products                   | 506  | 625  | 604  | 580  | 25584  | 28068  | 28500  | 26327  | 8435   | 23184  | 30037  | 35185  |
| 3811 Cutlery, hand tools and general hardware   |      | 41   | 42   | 45   | 4268   | 4164   | 4135   | 4671   | 1707   | 4030   | 5099   | 7805   |
| 3812 Furniture and fixtures primarily of metal  |      | 151  | 137  | 136  | 4282   | 4195   | 4600   | 4339   | 925    | 2289   | 3099   | 4020   |
| 3813 Structural metal products                  |      | 175  | 164  | 157  | 5275   | 6828   | 6475   | 5735   | 2123   | 5685   | 7758   | 8468   |
| 3819 Other fabricated metal products            |      | 258  | 261  | 242  | 11779  | 12881  | 13290  | 11582  | 3681   | 10199  | 14081  | 14892  |
| 382 Non-electrical machinery                    | 300  | 354  | 339  | 331  | 13208  | 16089  | 15800  | 16202  | 4210   | 12071  | 14553  | 19920  |
| 3821 Engines and turbines                       |      | 2    | 2    | 2    | 73     | 39     | 44     | 48     | 32     | 23     | 27     | 45     |
| 3822 Agricultural machinery and equipment       |      | 29   | 26   | 32   | 1123   | 1215   | 708    | 904    | 311    | 813    | 543    | 945    |
| 3823 Metal and wood working machinery           |      | 25   | 20   | 23   | 610    | 626    | 487    | 551    | 185    | 445    | 454    | 554    |
| 3824 Other special industrial machinery         |      | 64   | 70   | 65   | 1597   | 2158   | 2390   | 2599   | 455    | 1495   | 2201   | 3369   |
| 3825 Office, computing and accounting machinery |      | 10   | 11   | 10   | 221    | 273    | 294    | 288    | 98     | 179    | 271    | 383    |
| 3829 Other non-electrical machinery & equipment |      | 24   | 210  | 199  | 9584   | 11778  | 11877  | 11812  | 3128   | 9115   | 11057  | 14524  |
| 383 Electrical machinery                        | 180  | 214  | 214  | 199  | 15137  | 17733  | 18200  | 17441  | 6187   | 17385  | 23314  | 28339  |
| 3831 Electrical industrial machinery            |      | 76   | 75   | 68   | 4157   | 4507   | 4735   | 4391   | 2012   | 5917   | 7778   | 8891   |
| 3832 Radio, television and communication equipm |      | 40   | 37   | 34   | 4035   | 4806   | 4379   | 3844   | 1259   | 3319   | 4353   | 4616   |
| 3833 Electrical appliances and housewares       |      | 10   | 12   | 13   | 1567   | 958    | 1279   | 1270   | 571    | 885    | 1444   | 1855   |
| 3839 Other electrical apparatus and supplies    |      | 88   | 90   | 84   | 5378   | 7462   | 7805   | 7936   | 2344   | 7264   | 9739   | 12967  |
| 384 Transport equipment                         | 207  | 252  | 252  | 249  | 17813  | 20795  | 19000  | 17979  | 7705   | 21504  | 26036  | 31112  |
| 3841 Shipbuilding and repairing                 |      | 17   | 19   | 17   | 1765   | 1639   | 1425   | 1097   | 684    | 1930   | 1937   | 2081   |
| 3842 Railroad equipment                         |      | 6    | 4    | 1    | 927    | 663    | 668    | 9      | 328    | 515    | 601    | 10     |
| 3843 Motor vehicles                             |      | 184  | 182  | 185  | 10819  | 15075  | 13671  | 13254  | 4982   | 15634  | 19055  | 22948  |
| 3844 Motorcycles and bicycles                   |      | 25   | 26   | 26   | 1771   | 1263   | 1250   | 1544   | 513    | 814    | 1111   | 1959   |
| 3845 Aircraft                                   |      | 11   | 11   | 10   | 2054   | 1792   | 1744   | 1729   | 1075   | 2351   | 3052   | 3787   |
| 3849 Other transport equipment                  |      | 9    | 10   | 9    | 478    | 353    | 342    | 346    | 124    | 250    | 270    | 317    |
| 385 Professional and scientific equipment       | 58   | 77   | 73   | 72   | 2824   | 3878   | 3900   | 4054   | 1010   | 3787   | 4589   | 5551   |
| 3851 Prof and scientific equipment n e c        |      | 63   | 58   | 58   | 2447   | 3506   | 3515   | 3590   | 919    | 3554   | 4386   | 5145   |
| 3852 Photographic and optical goods             |      | 13   | 14   | 12   | 377    | 355    | 368    | 343    | 90     | 210    | 288    | 380    |
| 3853 Watches and clocks                         |      | 1    | 1    | 2    | -      | 17     | 17     | 21     | -      | 23     | 17     | 26     |
| 390 Other manufacturing industries              | 137  | 193  | 182  | 175  | 6592   | 8605   | 8700   | 8124   | 2191   | 7035   | 9211   | 10001  |
| 3901 Jewellery and related articles             |      | 15   | 15   | 18   | 571    | 667    | 713    | 804    | 192    | 545    | 704    | 1060   |
| 3902 Musical instruments                        |      | 3    | 3    | 2    | 29     | 86     | 79     | 19     | 5      | 35     | 55     | 15     |
| 3903 Sporting and athletic goods                |      | 5    | 4    | 3    | 26     | 131    | 275    | 103    | 9      | 67     | 249    | 85     |
| 3909 Manufacturing industries, n e c            |      | 160  | 160  | 152  | 6065   | 7741   | 7532   | 7198   | 1985   | 6388   | 8199   | 8839   |
| 3 Total manufacturing                           | 6406 | 7586 | 7533 | 7304 | 439930 | 484946 | 488800 | 489616 | 169628 | 447750 | 579131 | 749261 |

## Colombia

| ISIC Industry                                    | Note | Output in producers' prices |        |        |        | Note  | Value added in producers' prices |       |       |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-----------------------------|--------|--------|--------|-------|----------------------------------|-------|-------|------|--------------------------------|------|--|------|
|  |      | (billion PESOS)             |        |        |        |       | (billion PESOS)                  |       |       |      | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                        | 1989   | 1990   | 1991   |       | 1985                             | 1989  | 1990  | 1991 | 1985                           | 1991 | 1985                                       | 1991 |
| 311/2 Food Products                              |      | 580.3                       | 1772.2 | 2452.0 | 2940.3 | 165.9 | 490.3                            | 656.0 | 799.6 | 28.6 | 27.2                           | 15.4 | 16.0                                       |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 35.5                        | 114.9  | 153.0  | ...    | 9.0   | 32.8                             | 38.0  | ...   | 26.3 | ...                            | 26.4 | ...  |      |
| 3112 Dairy products                              |      | 53.1                        | 179.1  | 233.0  | ...    | 12.2  | 43.0                             | 60.0  | ...   | 23.0 | ...                            | 24.6 | ...  |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 4.4                         | 15.9   | 22.0   | ...    | 1.6   | 5.3                              | 8.0   | ...   | 36.7 | ...                            | 15.4 | ...  |      |
| 3114 Canning, preserving and processing of fish  |      | 3.9                         | 20.1   | 28.0   | ...    | 0.7   | 2.4                              | 5.0   | ...   | 17.7 | ...                            | 27.2 | ...  |      |
| 3115 Vegetable and animal oils and fats          |      | 91.5                        | 263.9  | 364.0  | ...    | 22.9  | 65.6                             | 101.0 | ...   | 26.0 | ...                            | 16.1 | ...  |      |
| 3116 Grain mill products                         |      | 162.4                       | 438.5  | 636.0  | ...    | 46.8  | 88.4                             | 99.0  | ...   | 28.8 | ...                            | 6.0  | ...  |      |
| 3117 Bakery products                             |      | 37.3                        | 120.3  | 166.0  | ...    | 14.0  | 44.6                             | 60.0  | ...   | 37.5 | ...                            | 28.6 | ...  |      |
| 3118 Sugar factories and refineries              |      | 59.4                        | 186.8  | 261.0  | ...    | 22.7  | 78.0                             | 103.0 | ...   | 38.3 | ...                            | 16.9 | ...  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 29.7                        | 80.4   | 110.0  | ...    | 10.7  | 32.3                             | 47.0  | ...   | 36.2 | ...                            | 14.0 | ...  |      |
| 3121 Other food products                         |      | 47.4                        | 198.8  | 276.0  | ...    | 17.5  | 79.7                             | 107.0 | ...   | 37.0 | ...                            | 17.1 | ...  |      |
| 3122 Prepared animal feeds                       |      | 55.8                        | 153.6  | 211.0  | ...    | 7.8   | 18.3                             | 28.0  | ...   | 14.0 | ...                            | 16.5 | ...  |      |
| 313 Beverages                                    |      | 219.2                       | 615.5  | 792.0  | 1031.2 | 146.8 | 373.9                            | 466.0 | 656.6 | 67.0 | 63.6                           | 8.7  | 6.8  |      |
| 3131 Distilling, rectifying and blending spirits |      | 45.8                        | 122.0  | 142.0  | ...    | 34.7  | 91.4                             | 73.0  | ...   | 76.9 | ...                            | 5.7  | ...  |      |
| 3132 Wine industries                             |      | 2.6                         | 6.2    | 8.0    | ...    | 1.1   | 2.5                              | 3.0   | ...   | 43.8 | ...                            | 19.1 | ...  |      |
| 3133 Malt liquors and malt                       |      | 116.7                       | 318.0  | 407.0  | ...    | 82.2  | 193.4                            | 270.0 | ...   | 70.4 | ...                            | 6.3  | ...  |      |
| 3134 Soft drinks and carbonated waters           |      | 54.1                        | 169.4  | 235.0  | ...    | 28.8  | 86.7                             | 120.0 | ...   | 53.2 | ...                            | 18.5 | ...  |      |
| 314 Tobacco                                      |      | 45.1                        | 93.4   | 123.0  | 154.4  | 31.9  | 66.6                             | 87.0  | 107.5 | 70.8 | 69.6                           | 4.2  | 4.2  |      |
| 321 Textiles                                     |      | 186.7                       | 611.8  | 817.0  | 1033.1 | 88.1  | 310.2                            | 410.0 | 440.5 | 47.2 | 42.6                           | 19.9 | 17.0                                       |      |
| 3211 Spinning, weaving and finishing textiles    |      | 142.1                       | 467.1  | 607.0  | ...    | 72.1  | 256.6                            | 332.0 | ...   | 50.7 | ...                            | 18.1 | ...  |      |
| 3212 Made-up textile goods excl. wearing apparel |      | 2.6                         | 12.6   | 18.0   | ...    | 0.9   | 6.7                              | 8.0   | ...   | 36.9 | ...                            | 27.2 | ...  |      |
| 3213 Knitting mills                              |      | 32.1                        | 99.7   | 151.0  | ...    | 12.6  | 37.6                             | 57.0  | ...   | 39.2 | ...                            | 26.7 | ...  |      |
| 3214 Carpets and rugs                            |      | 3.1                         | 6.5    | 8.0    | ...    | 1.1   | 2.3                              | 3.0   | ...   | 34.4 | ...                            | 26.7 | ...  |      |
| 3215 Cordage, rope and twine                     |      | 1.0                         | 2.4    | 3.0    | ...    | 0.3   | 0.7                              | 1.0   | ...   | 32.2 | ...                            | 26.9 | ...  |      |
| 3219 Other textiles                              |      | 5.8                         | 23.6   | 30.0   | ...    | 1.1   | 6.4                              | 9.0   | ...   | 18.8 | ...                            | 23.6 | ...  |      |
| 322 Wearing apparel, except footwear             |      | 65.9                        | 212.4  | 286.0  | 360.0  | 29.4  | 90.2                             | 111.0 | 149.4 | 44.6 | 41.5                           | 34.3 | 28.0                                       |      |
| 323 Leather and fur products                     |      | 21.2                        | 77.0   | 112.0  | 148.7  | 6.7   | 21.2                             | 33.0  | 40.9  | 31.6 | 27.5                           | 28.4 | 22.2                                       |      |
| 3231 Tanneries and leather finishing             |      | 16.0                        | 51.1   | 70.0   | ...    | 4.7   | 13.4                             | 21.0  | ...   | 29.3 | ...                            | 26.2 | ...  |      |
| 3232 Fur dressing and dyeing industries          |      | 1.3                         | 5.6    | 8.0    | ...    | 0.4   | 1.4                              | 2.0   | ...   | 29.2 | ...                            | 32.7 | ...  |      |
| 3233 Leather products excl. wearing apparel      |      | 3.9                         | 20.3   | 34.0   | ...    | 1.6   | 6.3                              | 10.0  | ...   | 41.9 | ...                            | 34.0 | ...  |      |
| 324 Footwear, except rubber or plastic           |      | 17.4                        | 95.5   | 132.0  | 171.3  | 7.7   | 35.5                             | 50.0  | 64.7  | 44.3 | 37.8                           | 31.9 | 23.7                                       |      |
| 331 Wood products, except furniture              |      | 12.9                        | 46.5   | 53.8   | 75.5   | 6.6   | 22.7                             | 27.3  | 38.2  | 51.0 | 50.7                           | 23.6 | 20.2                                       |      |
| 3311 Sawmills, planing and other wood mills      |      | 11.7                        | 42.3   | 51.0   | ...    | 6.0   | 20.6                             | 25.0  | ...   | 51.6 | ...                            | 22.6 | ...  |      |
| 3312 Wooden and cane containers                  |      | 0.1                         | 0.4    | 0.5    | ...    | ...   | 0.2                              | 0.3   | ...   | 51.4 | ...                            | 37.5 | ...  |      |
| 3319 Other wood and cork products                |      | 1.2                         | 3.8    | 4.0    | ...    | 0.5   | 2.0                              | 2.0   | ...   | 46.1 | ...                            | 34.4 | ...  |      |
| 332 Furniture and fixtures, excl. metal          |      | 8.5                         | 34.0   | 42.0   | 43.1   | 4.2   | 15.3                             | 19.0  | 21.0  | 49.3 | 48.7                           | 36.7 | 31.4                                       |      |
| 341 Paper and products                           |      | 105.8                       | 307.9  | 422.0  | 584.5  | 39.0  | 110.5                            | 151.0 | 214.5 | 36.8 | 36.7                           | 14.9 | 12.2                                       |      |
| 3411 Pulp, paper and paperboard articles         |      | 62.5                        | 179.6  | 240.0  | ...    | 25.5  | 65.9                             | 87.0  | ...   | 40.8 | ...                            | 13.6 | ...  |      |
| 3412 Containers of paper and paperboard          |      | 29.1                        | 85.0   | 121.0  | ...    | 8.1   | 27.3                             | 41.0  | ...   | 27.7 | ...                            | 18.3 | ...  |      |
| 3419 Other pulp, paper and paperboard articles   |      | 14.2                        | 43.3   | 61.0   | ...    | 5.5   | 17.2                             | 23.0  | ...   | 36.4 | ...                            | 16.9 | ...  |      |
| 342 Printing and publishing                      |      | 53.2                        | 188.4  | 235.0  | 272.1  | 25.6  | 90.8                             | 107.0 | 124.0 | 48.2 | 45.6                           | 24.9 | 22.9                                       |      |
| 351 Industrial chemicals                         |      | 159.2                       | 595.2  | 798.0  | 981.0  | 57.6  | 205.2                            | 282.0 | 350.6 | 36.2 | 35.7                           | 17.1 | 11.3                                       |      |
| 3511 Basic chemicals excl. fertilizers           |      | 33.0                        | 132.2  | 186.0  | ...    | 15.9  | 60.4                             | 67.0  | ...   | 48.2 | ...                            | 19.6 | ...  |      |
| 3512 Fertilizers and pesticides                  |      | 64.5                        | 206.0  | 329.0  | ...    | 20.2  | 57.3                             | 93.0  | ...   | 31.3 | ...                            | 14.6 | ...  |      |
| 3513 Synthetic resins and plastic materials      |      | 61.7                        | 257.0  | 303.0  | ...    | 21.5  | 87.5                             | 102.0 | ...   | 34.9 | ...                            | 17.7 | ...  |      |
| 352 Other chemicals                              |      | 153.7                       | 505.1  | 696.0  | 991.7  | 65.1  | 216.9                            | 300.0 | 458.1 | 42.3 | 46.2                           | 18.2 | 13.7                                       |      |
| 3521 Paints, varnishes and lacquers              |      | 15.7                        | 65.3   | 96.0   | ...    | 4.5   | 17.2                             | 29.0  | ...   | 28.4 | ...                            | 12.6 | ...  |      |
| 3522 Drugs and medicines                         |      | 67.1                        | 195.4  | 265.0  | ...    | 31.9  | 94.4                             | 124.0 | ...   | 47.5 | ...                            | 22.8 | ...  |      |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      | 51.2                        | 171.3  | 236.0  | ...    | 20.6  | 71.0                             | 99.0  | ...   | 40.1 | ...                            | 11.7 | ...  |      |
| 3529 Other chemical products                     |      | 19.7                        | 73.1   | 109.0  | ...    | 8.1   | 34.2                             | 48.0  | ...   | 41.4 | ...                            | 19.9 | ...  |      |
| 353 Petroleum refineries                         |      | 136.1                       | 306.6  | 408.0  | 466.4  | 12.7  | 40.7                             | 76.0  | 88.0  | 9.4  | 19.3                           | 34.3 | 16.0                                       |      |

|   |        |        |         |         |       |        |        |        |      |      |      |      |
|---|--------|--------|---------|---------|-------|--------|--------|--------|------|------|------|------|
| 354 Misc petroleum and coal products            | 12 9   | 43 6   | 50 0    | 63 6    | 4 0   | 16 7   | 17 0   | 22 4   | 30.7 | 36 2 | 7 7  | 6 3  |
| 355 Rubber products                             | 41 7   | 117 2  | 154 0   | 205 8   | 19 7  | 47 6   | 66 0   | 96 9   | 47 2 | 47 1 | 17 3 | 16 4 |
| 3551 Tyres and tubes                            | 30 9   | 97 1   | 127 0   | ...     | 14 6  | 39 7   | 54 0   | ...    | 47 4 | ...  | 16 3 | ...  |
| 3559 Other rubber products                      | 10 9   | 20 1   | 27 0    | ...     | 5 0   | 8 2    | 12 0   | ...    | 46 4 | ...  | 20 3 | ...  |
| 356 Plastic products                            | 70 0   | 243 2  | 312 0   | 444.7   | 24.1  | 86.8   | 112 0  | 173.1  | 34.4 | 38 9 | 22 3 | 17 6 |
| 361 Pottery, china, earthenware                 | 11 8   | 41 5   | 54 0    | 72 0    | 6 6   | 23 0   | 30 0   | 42.1   | 56 6 | 58 6 | 24 0 | 18 8 |
| 362 Glass and products                          | 22 2   | 75 5   | 103 0   | 129.1   | 13.2  | 38 5   | 57 0   | 59 4   | 59 2 | 53 8 | 19 8 | 15 4 |
| 369 Other non-metallic mineral products         | 74 6   | 270 8  | 330 0   | 405.7   | 37 5  | 137 9  | 170 0  | 204.8  | 50 3 | 50 5 | 20 3 | 15 8 |
| 3691 Structural clay products                   | 7 9    | 25 6   | 32 0    | ...     | 5 3   | 15 1   | 20 0   | ...    | 55 7 | ...  | 30 8 | ...  |
| 3692 Cement, lime and plaster                   | 36 7   | 145 7  | 177 0   | ...     | 19 0  | 80 6   | 98 0   | ...    | 49 1 | ...  | 15 2 | ...  |
| 3699 Other non-metallic mineral products        | 30 0   | 99 6   | 121 0   | ...     | 14.2  | 41 2   | 52 0   | ...    | 47 5 | ...  | 22 7 | ...  |
| 371 Iron and steel                              | 6 5    | 295 9  | 320 0   | 376 9   | 29 2  | 142 8  | 141 0  | 168 3  | 43 2 | 44 7 | 18 5 | 11 5 |
| 372 Non-ferrous metals                          | 11 5   | 45 5   | 65 0    | 76 8    | 5 1   | 15 4   | 28 0   | 33 1   | 43 5 | 43 1 | 15 9 | 11 7 |
| 381 Fabricated metal products                   | 79 6   | 262 4  | 349 0   | 391 5   | 34 4  | 99 8   | 140 0  | 168 7  | 43 2 | 43 1 | 24 6 | 20 9 |
| 3811 Cutlery, hand tools and general hardware   | 13 1   | 41 4   | 58 0    | ...     | 7 4   | 22 9   | 31 0   | ...    | 55 7 | ...  | 23 0 | ...  |
| 3812 Furniture and fixtures primarily of metal  | 5 8    | 16 5   | 24 0    | ...     | 2 3   | 6 5    | 10 0   | ...    | 40 4 | ...  | 39 6 | ...  |
| 3813 Structural metal products                  | 18 9   | 55 4   | 69 0    | ...     | 8 8   | 20 3   | 27 0   | ...    | 45 8 | ...  | 24 1 | ...  |
| 3819 Other fabricated metal products            | 41 9   | 148 1  | 198 0   | ...     | 15 8  | 50 1   | 72 0   | ...    | 37 8 | ...  | 23 2 | ...  |
| 382 Non-electrical machinery                    | 37 4   | 132 4  | 178 1   | 218 0   | 16 2  | 52 5   | 62 1   | 93 0   | 43 2 | 42 6 | 25 1 | 21 4 |
| 3821 Engines and turbines                       | 0 6    | 0 1    | 0 1     | ...     | 0 3   | 0 1    | 0 1    | ...    | 45 0 | ...  | 11 4 | ...  |
| 3822 Agricultural machinery and equipment       | 1 8    | 6 7    | 4 0     | ...     | 0 9   | 3 1    | 2 0    | ...    | 47 7 | ...  | 35 4 | ...  |
| 3823 Metal and wood working machinery           | 0 9    | 3 2    | 5 0     | ...     | 0 4   | 1 6    | 2 0    | ...    | 46 9 | ...  | 43 4 | ...  |
| 3824 Other special industrial machinery         | 2 5    | 11 8   | 16 0    | ...     | 1 3   | 5 8    | 8 0    | ...    | 51 7 | ...  | 34 9 | ...  |
| 3825 Office, computing and accounting machinery | 0 8    | 1 8    | 2 0     | ...     | 0 4   | 0 8    | 1 0    | ...    | 49 4 | ...  | 24 8 | ...  |
| 3829 Other non-electrical machinery & equipment | 30 7   | 108 9  | 151 0   | ...     | 12 9  | 41 1   | 49 0   | ...    | 41 9 | ...  | 24 3 | ...  |
| 383 Electrical machinery                        | 67 7   | 257 5  | 324 0   | 374 5   | 30 1  | 112 2  | 136 0  | 163 3  | 44 4 | 43 6 | 20 5 | 17 4 |
| 3831 Electrical industrial machinery            | 16 7   | 60 0   | 74 0    | ...     | 8 5   | 28 5   | 35 0   | ...    | 50 5 | ...  | 23 7 | ...  |
| 3832 Radio, television and communication equipm | 14 2   | 53 1   | 64 0    | ...     | 6 2   | 19 8   | 24 0   | ...    | 44 1 | ...  | 20 2 | ...  |
| 3833 Electrical appliances and housewares       | 6 7    | 20 9   | 32 0    | ...     | 2 6   | 8 5    | 13 0   | ...    | 38 5 | ...  | 22 0 | ...  |
| 3839 Other electrical apparatus and supplies    | 30 1   | 123 4  | 154 0   | ...     | 12 7  | 55 5   | 64 0   | ...    | 42 3 | ...  | 18 4 | ...  |
| 384 Transport equipment                         | 101 0  | 492 4  | 586 0   | 643 1   | 31 4  | 126 9  | 167 0  | 215 5  | 31 1 | 33 5 | 24 5 | 14 4 |
| 3841 Shipbuilding and repairing                 | 4 6    | 20 2   | 31 0    | ...     | 3 1   | 11 3   | 20 0   | ...    | 56 6 | ...  | 22 2 | ...  |
| 3842 Railroad equipment                         | 0 7    | 1 7    | 2 0     | ...     | 0 5   | 0 7    | 1 0    | ...    | 59 9 | ...  | 65 0 | ...  |
| 3843 Motor vehicles                             | 83 1   | 429 6  | 501 0   | ...     | 22 6  | 104 0  | 132 0  | ...    | 27 2 | ...  | 22 0 | ...  |
| 3844 Motorcycles and bicycles                   | 5 6    | 16 5   | 22 0    | ...     | 2 4   | 4 2    | 5 0    | ...    | 42 7 | ...  | 21 3 | ...  |
| 3845 Aircraft                                   | 6 1    | 22 8   | 28 0    | ...     | 2 5   | 6 1    | 8 0    | ...    | 40 7 | ...  | 43 2 | ...  |
| 3849 Other transport equipment                  | 0 8    | 1 6    | 2 0     | ...     | 0 3   | 0 6    | 1 0    | ...    | 40 2 | ...  | 38 4 | ...  |
| 385 Professional and scientific equipment       | 9 6    | 47 0   | 62 3    | 79 5    | 5 3   | 26 8   | 35 1   | 44 6   | 55 8 | 55 2 | 18 9 | 14 7 |
| 3851 Prof. and scientific equipment n e c       | 9 1    | 45 4   | 60 0    | ...     | 5 1   | 25 9   | 34 0   | ...    | 55 7 | ...  | 18 2 | ...  |
| 3852 Photographic and optical goods             | 0 5    | 1 4    | 2 0     | ...     | 0 3   | 0 8    | 1 0    | ...    | 58 0 | ...  | 31 2 | ...  |
| 3853 Watches and clocks                         | -      | 0 2    | 0 3     | ...     | -     | 0 1    | 0 1    | ...    | ...  | ...  | ...  | ...  |
| 390 Other manufacturing industries              | 21 0   | 69 2   | 89 4    | 101.3   | 11 0  | 33 5   | 42 2   | 49 9   | 52 6 | 49 3 | 19 9 | 20 0 |
| 3901 Jewellery and related articles             | 4 1    | 6 5    | 8 0     | ...     | 2 2   | 2 2    | 3 0    | ...    | 53 3 | ...  | 8 8  | ...  |
| 3902 Musical instruments                        | -      | 0 3    | 0 4     | ...     | -     | 0 1    | 0 2    | ...    | 52 5 | ...  | 39 4 | ...  |
| 3903 Sporting and athletic goods                | 0 1    | 0 7    | 2 0     | ...     | -     | 0 2    | 1 0    | ...    | 50 5 | ...  | 23 6 | ...  |
| 3909 Manufacturing industries, n e c            | 16 8   | 61 7   | 79 0    | ...     | 8 8   | 30 9   | 38 0   | ...    | 52 5 | ...  | 22 5 | ...  |
| 3 Total manufacturing                           | 2394 1 | 7854 7 | 10347 3 | 12825 5 | 955 0 | 3049 5 | 3958 5 | 5098 0 | 39 9 | 39 7 | 17 8 | 14 7 |

## Colombia

| ISIC Industry                             | Note | Gross fixed capital formation |        |        |        | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|--------|--------|--------|------|--|------|------|------|------|------|------|------|
|   |      | (million PESUS)               |        |        |        |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1989   | 1990   | 1991   |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      | 7209                          | 40492  | 63632  | 79303  | 107  | 115                                    | 116  | 119  | 119  | 119  | 132  | 124  | 137  |
| 313 Beverages                             |      | 1766                          | 18134  | 37664  | 28435  | 101  | 107                                    | 111  | 119  | 115  | 117  | 119  | 119  | 113  |
| 314 Tobacco                               |      | 149                           | 502    | 296    | -391   | 129  | 137                                    | 139  | 126  | 118  | 111  | 110  | 128  | 106  |
| 321 Textiles                              |      | 15403                         | 28163  | 47180  | 53716  | 100  | 104                                    | 115  | 125  | 118  | 112  | 115  | 115  | 123  |
| 322 Wearing apparel, except footwear      |      | 730                           | 4578   | 8841   | 9399   | 92   | 81                                     | 83   | 91   | 108  | 120  | 128  | 123  | 130  |
| 323 Leather and fur products              |      | 182                           | 1931   | 2507   | 4472   | 79   | 79                                     | 94   | 100  | 106  | 111  | 131  | 143  | 137  |
| 324 Footwear, except rubber or plastic    |      | 280                           | 4839   | 4554   | 4389   | 80   | 80                                     | 85   | 79   | 81   | 87   | 81   | 99   | 100  |
| 331 Wood products, except furniture       |      | 241                           | 1551   | 4601   | 1452   | 110  | 113                                    | 117  | 143  | 156  | 179  | 190  | 183  | 181  |
| 332 Furniture and fixtures, excl metal    |      | 96                            | 1363   | 2139   | 1886   | 64   | 66                                     | 61   | 61   | 77   | 73   | 68   | 64   | 71   |
| 341 Paper and products                    |      | 1864                          | 12822  | 38338  | 26455  | 103  | 111                                    | 116  | 129  | 132  | 151  | 170  | 190  | 207  |
| 342 Printing and publishing               |      | 2022                          | 7550   | 14713  | 11770  | 86   | 81                                     | 85   | 89   | 100  | 89   | 85   | 89   | 89   |
| 351 Industrial chemicals                  |      | 4816                          | 20576  | 57546  | 50148  | 125  | 136                                    | 151  | 164  | 171  | 169  | 172  | 179  | 174  |
| 352 Other chemicals                       |      | 2794                          | 10626  | 14483  | 23643  | 105  | 119                                    | 134  | 142  | 149  | 160  | 172  | 174  | 186  |
| 353 Petroleum refineries                  |      | 1450                          | 10919  | 81920  | 30796  | 126  | 133                                    | 152  | 165  | 159  | 163  | 167  | 172  | 151  |
| 354 Misc petroleum and coal products      |      | 581                           | 31     | 965    | -12    | 113  | 137                                    | 134  | 141  | 155  | 153  | 140  | 129  | 135  |
| 355 Rubber products                       |      | 124                           | 4194   | 10584  | 4469   | 97   | 103                                    | 101  | 95   | 110  | 106  | 111  | 115  | 124  |
| 356 Plastic products                      |      | 3594                          | 12498  | 17325  | 25689  | 93   | 90                                     | 107  | 107  | 100  | 95   | 104  | 103  | 119  |
| 361 Pottery, china, earthenware           |      | 503                           | 891    | 3473   | 3304   | 89   | 101                                    | 116  | 135  | 147  | 145  | 142  | 159  | 177  |
| 362 Glass and products                    |      | 870                           | 3989   | 2035   | 3471   | 89   | 108                                    | 109  | 129  | 141  | 140  | 151  | 149  | 147  |
| 369 Other non-metallic mineral products   |      | 9066                          | 24738  | 41199  | 27399  | 114  | 111                                    | 118  | 123  | 124  | 128  | 121  | 134  | 141  |
| 371 Iron and steel                        |      | 11624                         | 14127  | 22256  | 3729   | 110  | 110                                    | 119  | 134  | 145  | 147  | 147  | 142  | 158  |
| 372 Non-ferrous metals                    |      | 196                           | 544    | 3888   | 1712   | 83   | 83                                     | 99   | 127  | 124  | 103  | 126  | 124  | 135  |
| 381 Fabricated metal products             |      | 1811                          | 8403   | 11390  | 14556  | 95   | 93                                     | 105  | 107  | 121  | 106  | 120  | 108  | 120  |
| 382 Non-electrical machinery              |      | 942                           | 3441   | 5833   | 5148   | 85   | 63                                     | 73   | 83   | 90   | 95   | 138  | 135  | 160  |
| 383 Electrical machinery                  |      | 579                           | 12251  | 10952  | 9794   | 89   | 87                                     | 92   | 95   | 102  | 97   | 91   | 83   | 97   |
| 384 Transport equipment                   |      | 3118                          | 11008  | 8573   | 16633  | 101  | 80                                     | 90   | 109  | 130  | 121  | 111  | 93   | 110  |
| 385 Professional and scientific equipment |      | 272                           | 2502   | 8402   | 1202   | 154  | 169                                    | 179  | 205  | 231  | 209  | 204  | 217  | 179  |
| 390 Other manufacturing industries        |      | 546                           | 2143   | 4275   | 3461   | 96   | 101                                    | 107  | 116  | 117  | 120  | 107  | 111  | 114  |
| 3 Total manufacturing                     |      | 72828                         | 264806 | 529564 | 448028 | 104  | 108                                    | 115  | 122  | 124  | 124  | 130  | 129  | 133  |



## COSTA RICA

**Supplier of information:**

Dirección General de Estadística y Censos, Ministerio de Economía y Comercio, San José.

**Basic source of data:**

Data collection of the Banco Central de Costa Rica.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

All establishments.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Wages and salaries is computed by UNIDO from the reported monthly average.

Output refers to gross output and is derived from national accounts estimates.

Value added refers to total value added, which is equivalent to the contribution of industry to gross domestic product.

Output and value added are net of indirect taxes.

**Related national publications:**

## Costa Rica

| ISIC Industry                                    | Number of establishments |           |      |      | Number of persons engaged |       |           |       | Wages and salaries paid to employees |      |        |                   |         |      |      |
|--|--------------------------|-----------|------|------|---------------------------|-------|-----------|-------|--------------------------------------|------|--------|-------------------|---------|------|------|
|  | Note                     | (numbers) |      |      |                           | Note  | (numbers) |       |                                      |      | Note   | (million COLONES) |         |      |      |
|  |                          | 1985      | 1990 | 1991 | 1992                      |       | 1985      | 1990  | 1991                                 | 1992 |        | 1985              | 1990    | 1991 | 1992 |
| 311/2 Food Products                              |                          | 1050      | 1087 | 1072 |                           | 28605 | 31040     | 31235 |                                      |      | 3000.4 | 7874.3            | 10167.4 |      |      |
| 3111 Slaughtering, preparing & preserving meat   |                          | 41        | 41   | 44   |                           | 2649  | 2877      | 2982  |                                      |      | 309.6  | 811.9             | 1037.5  |      |      |
| 3112 Dairy products                              |                          | 30        | 35   | 33   |                           | 2310  | 2702      | 2998  |                                      |      | 316.8  | 897.5             | 1288.0  |      |      |
| 3113 Canning, preserving of fruits & vegetables  |                          | 53        | 71   | 69   |                           | 1641  | 3165      | 3041  |                                      |      | 174.6  | 748.9             | 924.2   |      |      |
| 3114 Canning, preserving and processing of fish  |                          | 16        | 17   | 15   |                           | 1760  | 1395      | 1759  |                                      |      | 138.8  | 290.8             | 618.6   |      |      |
| 3115 Vegetable and animal oils and fats          |                          | 14        | 12   | 12   |                           | 1284  | 1113      | 1106  |                                      |      | 190.0  | 422.1             | 548.3   |      |      |
| 3116 Grain mill products                         |                          | 164       | 179  | 181  |                           | 6431  | 7107      | 6636  |                                      |      | 656.3  | 1666.2            | 1953.3  |      |      |
| 3117 Bakery products                             |                          | 496       | 501  | 492  |                           | 5063  | 5428      | 5442  |                                      |      | 413.3  | 1094.1            | 1399.0  |      |      |
| 3118 Sugar factories and refineries              |                          | 36        | 26   | 25   |                           | 3828  | 2947      | 2937  |                                      |      | 384.2  | 723.3             | 928.6   |      |      |
| 3119 Cocoa, chocolate and sugar confectionery    |                          | 34        | 24   | 25   |                           | 1291  | 1466      | 1425  |                                      |      | 143.3  | 415.0             | 608.3   |      |      |
| 3121 Other food products                         |                          | 124       | 136  | 136  |                           | 1698  | 2162      | 2272  |                                      |      | 202.8  | 637.1             | 859.0   |      |      |
| 3122 Prepared animal feeds                       |                          | 42        | 45   | 40   |                           | 650   | 678       | 638   |                                      |      | 71.6   | 167.4             | 192.6   |      |      |
| 313 Beverages                                    |                          | 44        | 44   | 43   |                           | 3243  | 3277      | 3747  |                                      |      | 461.1  | 1105.9            | 1518.6  |      |      |
| 3131 Distilling, rectifying and blending spirits |                          | 2         | 2    | 2    |                           | 457   | 397       | 376   |                                      |      | 72.7   | 186.6             | 196.4   |      |      |
| 3132 Wine industries                             |                          | 4         | 5    | 5    |                           | 20    | 52        | 63    |                                      |      | 1.6    | 12.0              | 15.8    |      |      |
| 3133 Malt liquors and malt                       |                          | 2         | 2    | 2    |                           | 1011  | 761       | 776   |                                      |      | 163.0  | 261.1             | 331.0   |      |      |
| 3134 Soft drinks and carbonated waters           |                          | 36        | 35   | 34   |                           | 1765  | 2067      | 2644  |                                      |      | 213.9  | 646.2             | 976.4   |      |      |
| 314 Tobacco                                      |                          | 5         | 5    | 4    |                           | 761   | 665       | 637   |                                      |      | 167.6  | 398.2             | 636.2   |      |      |
| 321 Textiles                                     |                          | 118       | 188  | 188  |                           | 7278  | 10897     | 10603 |                                      |      | 761.9  | 2412.2            | 2901.7  |      |      |
| 3211 Spinning, weaving and finishing textiles    |                          | 31        | 48   | 45   |                           | 2636  | 3726      | 3622  |                                      |      | 276.4  | 833.6             | 976.9   |      |      |
| 3212 Made-up textile goods excl wearing apparel  |                          | 25        | 40   | 52   |                           | 252   | 666       | 667   |                                      |      | 22.7   | 114.5             | 148.6   |      |      |
| 3213 Knitting mills                              |                          | 51        | 74   | 61   |                           | 3631  | 5417      | 6003  |                                      |      | 369.0  | 1119.8            | 1311.5  |      |      |
| 3214 Carpets and rugs                            |                          | 4         | 8    | 11   |                           | 99    | 138       | 140   |                                      |      | 16.1   | 45.3              | 62.6    |      |      |
| 3215 Cordage, rope and twine                     |                          | 3         | 5    | 4    |                           | 618   | 666       | 500   |                                      |      | 64.1   | 146.6             | 166.9   |      |      |
| 3219 Other textiles                              |                          | 4         | 13   | 15   |                           | 143   | 496       | 771   |                                      |      | 24.6   | 162.5             | 246.3   |      |      |
| 322 Wearing apparel, except footwear             |                          | 615       | 612  | 569  |                           | 16649 | 29324     | 29043 |                                      |      | 1367.8 | 5761.6            | 7408.4  |      |      |
| 323 Leather and fur products                     |                          | 106       | 80   | 77   |                           | 1227  | 1521      | 1407  |                                      |      | 106.1  | 340.6             | 396.4   |      |      |
| 3231 Tanneries and leather finishing             |                          | 21        | 16   | 15   |                           | 701   | 923       | 841   |                                      |      | 70.6   | 241.9             | 284.7   |      |      |
| 3232 Fur dressing and dyeing industries          |                          | 2         | 4    | 5    |                           | 4     | 39        | 36    |                                      |      | 0.2    | 8.1               | 6.1     |      |      |
| 3233 Leather prods excl wearing apparel          |                          | 82        | 60   | 57   |                           | 522   | 669       | 631   |                                      |      | 36.3   | 90.6              | 104.6   |      |      |
| 324 Footwear, except rubber or plastic           |                          | 202       | 131  | 121  |                           | 3510  | 3140      | 2996  |                                      |      | 298.2  | 613.1             | 742.3   |      |      |
| 331 Wood products, except furniture              |                          | 268       | 249  | 248  |                           | 4231  | 4627      | 4147  |                                      |      | 366.3  | 881.6             | 1015.3  |      |      |
| 3311 Sawmills, planing and other wood mills      |                          | 191       | 185  | 188  |                           | 3533  | 3962      | 3502  |                                      |      | 310.6  | 784.3             | 877.3   |      |      |
| 3312 Wooden and cane containers                  |                          | 3         | 1    | 1    |                           | 87    | 46        | 63    |                                      |      | 8.9    | 7.2               | 11.7    |      |      |
| 3319 Other wood and cork products                |                          | 74        | 63   | 59   |                           | 611   | 530       | 582   |                                      |      | 46.8   | 90.2              | 126.4   |      |      |
| 332 Furniture and fixtures, excl metal           |                          | 527       | 506  | 460  |                           | 2777  | 2707      | 2376  |                                      |      | 183.1  | 432.9             | 477.9   |      |      |
| 341 Paper and products                           |                          | 35        | 38   | 39   |                           | 1732  | 2424      | 2632  |                                      |      | 267.4  | 942.4             | 1286.0  |      |      |
| 3411 Pulp, paper and paperboard articles         |                          | -         | 2    | 3    |                           | -     | 9         | 22    |                                      |      | -      | 1.6               | 5.0     |      |      |
| 3412 Containers of paper and paperboard          |                          | 20        | 19   | 19   |                           | 989   | 1447      | 1602  |                                      |      | 162.6  | 674.8             | 784.6   |      |      |
| 3419 Other pulp, paper and paperboard articles   |                          | 15        | 17   | 17   |                           | 743   | 968       | 1008  |                                      |      | 104.8  | 366.1             | 496.6   |      |      |
| 342 Printing and publishing                      |                          | 268       | 284  | 298  |                           | 3776  | 4378      | 4424  |                                      |      | 481.6  | 1336.3            | 1700.2  |      |      |
| 351 Industrial chemicals                         |                          | 25        | 42   | 46   |                           | 1666  | 2484      | 2613  |                                      |      | 283.4  | 927.0             | 1148.9  |      |      |
| 3511 Basic chemicals excl fertilizers            |                          | 3         | 10   | 10   |                           | 50    | 81        | 77    |                                      |      | 8.3    | 21.0              | 25.4    |      |      |
| 3512 Fertilizers and pesticides                  |                          | 13        | 14   | 14   |                           | 998   | 1616      | 1618  |                                      |      | 183.1  | 606.6             | 761.7   |      |      |
| 3513 Synthetic resins and plastic materials      |                          | 9         | 18   | 22   |                           | 608   | 888       | 918   |                                      |      | 92.1   | 300.4             | 371.9   |      |      |
| 352 Other chemicals                              |                          | 157       | 173  | 171  |                           | 4413  | 6048      | 5173  |                                      |      | 679.2  | 1874.0            | 2427.9  |      |      |
| 3521 Paints, varnishes and lacquers              |                          | 20        | 24   | 28   |                           | 738   | 787       | 827   |                                      |      | 128.2  | 300.7             | 402.1   |      |      |
| 3522 Drugs and medicines                         |                          | 28        | 45   | 45   |                           | 1104  | 1246      | 1342  |                                      |      | 206.2  | 588.4             | 770.1   |      |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |                          | 54        | 49   | 46   |                           | 1574  | 2048      | 2016  |                                      |      | 209.9  | 666.6             | 814.6   |      |      |
| 3529 Other chemical products                     |                          | 55        | 55   | 52   |                           | 997   | 967       | 988   |                                      |      | 136.8  | 318.3             | 441.0   |      |      |
| 353 Petroleum refineries                         |                          | 2         | 2    | 4    |                           | 1696  | 2116      | 2760  |                                      |      | 473.4  | 1000.6            | 2099.7  |      |      |

|   |      |      |      |        |        |        |         |         |         |
|---|------|------|------|--------|--------|--------|---------|---------|---------|
| 354 Misc. petroleum and coal products           | 2    | 2    | 2    | 158    | 86     | 49     | 12 0    | 17 4    | 11 9    |
| 355 Rubber products                             | 33   | 40   | 41   | 1953   | 2484   | 2475   | 281 0   | 787 8   | 991 7   |
| 3551 Tyres and tubes                            | 18   | 22   | 21   | 1167   | 1384   | 1337   | 196 5   | 511 9   | 627 5   |
| 3559 Other rubber products                      | 15   | 18   | 20   | 786    | 1120   | 1138   | 84 5    | 275 9   | 364 2   |
| 356 Plastic products                            | 57   | 70   | 76   | 4127   | 5219   | 5386   | 525 2   | 1497 1  | 1892 7  |
| 361 Pottery, china, earthenware                 | 60   | 75   | 63   | 544    | 831    | 807    | 60 9    | 226 1   | 268 0   |
| 362 Glass and products                          | 18   | 24   | 21   | 662    | 811    | 784    | 72 9    | 210 3   | 260 5   |
| 369 Other non-metallic mineral products         | 239  | 209  | 202  | 3122   | 3931   | 3605   | 329 0   | 1039 3  | 1231 9  |
| 3691 Structural clay products                   | 15   | 16   | 17   | 341    | 380    | 364    | 32 9    | 80 1    | 91 5    |
| 3692 Cement, lime and plaster                   | 9    | 45   | 47   | 397    | 703    | 691    | 55 2    | 272 1   | 340 4   |
| 3699 Other non-metallic mineral products        | 215  | 148  | 138  | 2384   | 2848   | 2650   | 237 8   | 667 2   | 799 9   |
| 371 Iron and steel                              | -    | 12   | 12   | -      | 44     | 47     | -       | 7 8     | 12 5    |
| 372 Non-ferrous metals                          | 5    | 6    | 7    | 388    | 315    | 311    | 56 5    | 104 8   | 118 1   |
| 381 Fabricated metal products                   | 309  | 363  | 354  | 3731   | 4809   | 4562   | 382 1   | 1086 9  | 1349 7  |
| 3811 Cutlery, hand tools and general hardware   | 16   | 22   | 23   | 139    | 529    | 245    | 18 3    | 70 2    | 76 4    |
| 3812 Furniture and fixtures primarily of metal  | 53   | 60   | 60   | 652    | 745    | 689    | 58 4    | 138 7   | 157 8   |
| 3813 Structural metal products                  | 163  | 189  | 176  | 927    | 1584   | 1655   | 78 3    | 320 5   | 423 1   |
| 3819 Other fabricated metal products            | 77   | 92   | 95   | 2013   | 1951   | 1973   | 227 0   | 657 5   | 692 4   |
| 382 Non-electrical machinery                    | 108  | 146  | 141  | 2522   | 3242   | 3248   | 284 3   | 804 8   | 1165 0  |
| 3821 Engines and turbines                       | 7    | 29   | 24   | 120    | 233    | 235    | 12 2    | 60 3    | 58 4    |
| 3822 Agricultural machinery and equipment       | 26   | 26   | 24   | 371    | 386    | 398    | 34 5    | 104 9   | 132 9   |
| 3823 Metal and wood working machinery           | 10   | 13   | 13   | 42     | 87     | 103    | 4 0     | 7       | 27 0    |
| 3824 Other special industrial machinery         | 29   | 35   | 33   | 331    | 367    | 369    | 36 5    | 91 2    | 109 0   |
| 3825 Office, computing and accounting machinery | 7    | 12   | 12   | 959    | 1311   | 1265   | 99 7    | 364 7   | 505 9   |
| 3829 Other non-electrical machinery & equipment | 29   | 31   | 35   | 749    | 858    | 878    | 97 3    | 255 0   | 331 8   |
| 383 Electrical machinery                        | 47   | 72   | 76   | 2023   | 3988   | 4525   | 331 6   | 1237 9  | 1759 6  |
| 3831 Electrical industrial machinery            | 9    | 18   | 20   | 421    | 944    | 1015   | 87 8    | 313 3   | 423 0   |
| 3832 Radio, television and communication equipm | 10   | 19   | 20   | 203    | 393    | 467    | 29 1    | 119 6   | 179 2   |
| 3833 Electrical appliances and housewares       | 3    | 12   | 13   | 38     | 766    | 1195   | 4 2     | 174 8   | 349 3   |
| 3839 Other electrical apparatus and supplies    | 25   | 23   | 23   | 1361   | 1885   | 1848   | 210 5   | 630 2   | 808 1   |
| 384 Transport equipment                         | 73   | 92   | 91   | 1541   | 1828   | 1814   | 189     | 555 1   | 707 5   |
| 3841 Shipbuilding and repairing                 | 16   | 17   | 14   | 210    | 251    | 236    | 21 0    | 61 7    | 69 2    |
| 3842 Railroad equipment                         | -    | -    | 1    | -      | -      | 5      | -       | -       | 2 9     |
| 3843 Motor vehicles                             | 38   | 54   | 53   | 413    | 498    | 493    | 41 5    | 99 8    | 120 0   |
| 3844 Motorcycles and bicycles                   | 7    | 9    | 10   | 151    | 179    | 167    | 15 4    | 39 9    | 43 7    |
| 3845 Aircraft                                   | 5    | 7    | 8    | 703    | 841    | 861    | 106 1   | 352 4   | 458 6   |
| 3849 Other transport equipment                  | 7    | 5    | 5    | 64     | 59     | 52     | 4 8     | 11 3    | 13 1    |
| 385 Professional and scientific equipment       | 19   | 26   | 27   | 216    | 271    | 340    | 18 5    | 60 1    | 89 6    |
| 3851 Prof. and scientific equipment n e c       | 10   | 12   | 12   | 83     | 121    | 133    | 6 2     | 27 2    | 33 6    |
| 3852 Photographic and optical goods             | 8    | 13   | 15   | 124    | 146    | 207    | 11 9    | 30 6    | 55 2    |
| 3853 Watches and clocks                         | 1    | 1    | -    | 9      | 4      | -      | 0 4     | 2 2     | -       |
| 390 Other manufacturing industries              | 87   | 100  | 99   | 1455   | 3267   | 3274   | 145 2   | 587 0   | 749 5   |
| 3901 Jewellery and related articles             | 16   | 17   | 17   | 332    | 561    | 406    | 22 3    | 119 0   | 97 5    |
| 3902 Musical instruments                        | 4    | 3    | 3    | 29     | 20     | 19     | 1 7     | 3 4     | 3 3     |
| 3903 Sporting and athletic goods                | 13   | 14   | 15   | 134    | 1440   | 1528   | 10 4    | 167 2   | 224 4   |
| 3909 Manufacturing industries, n e c            | 54   | 66   | 64   | 960    | 1246   | 1321   | 110 8   | 307 4   | 424 4   |
| 3 Total manufacturing                           | 4478 | 4686 | 4552 | 103886 | 134663 | 134818 | 11536 2 | 34232 8 | 44413 4 |

## Costa Rica

| ISIC Industry                                    | Note | Output in producers' prices |        |        |        | Note | Value added in producers' prices |       |       |       | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-----------------------------|--------|--------|--------|------|----------------------------------|-------|-------|-------|--------------------------------|------|--|------|
|  |      | (million COLONES)           |        |        |        |      | (million COLONES)                |       |       |       | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                        | 1990   | 1991   | 1992   |      | 1985                             | 1990  | 1991  | 1992  | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                              |      | 52201                       | 114127 | 156801 | 180984 |      | 12459                            | 26740 | 37234 | 44484 | 23.9                           | 24.6 | 24.1                                       |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 7304                        | 15559  | 21188  | 23561  |      | 1385                             | 2894  | 4009  | 4472  | 19.0                           | 19.0 | 22.4                                       |      |
| 3112 Dairy products                              |      | 7334                        | 21028  | 27620  | 36254  |      | 1504                             | 4231  | 5652  | 7443  | 20.5                           | 20.5 | 21.0                                       |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 991                         | 3180   | 4856   | 6856   |      | 298                              | 939   | 1459  | 2066  | 30.1                           | 30.1 | 58.5                                       |      |
| 3114 Canning, preserving and processing of fish  |      | 507                         | 1725   | 2823   | 3509   |      | 93                               | 310   | 515   | 642   | 18.3                           | 18.3 |  |      |
| 3115 Vegetable and animal oils and fats          |      | 3689                        | 9111   | 11093  | 16013  |      | 880                              | 2132  | 2640  | 3823  | 23.8                           | 23.9 | 21.6                                       |      |
| 3116 Grain mill products                         |      | 18412                       | 30509  | 43495  | 34525  |      | 3628                             | 5902  | 8553  | 6827  | 19.7                           | 19.8 | 18.1                                       |      |
| 3117 Bakery products                             |      | 6397                        | 16510  | 22440  | 30851  |      | 2143                             | 5428  | 7503  | 10348 | 33.5                           | 33.5 | 19.3                                       |      |
| 3118 Sugar factories and refineries              |      | 4419                        | 7554   | 9723   | 12703  |      | 1816                             | 3046  | 3986  | 6225  | 41.1                           | 41.1 | 21.2                                       |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 794                         | 2195   | 3950   | 5662   |      | 235                              | 639   | 1169  | 1681  | 29.7                           | 29.7 | 60.9                                       |      |
| 3121 Other food products                         |      | 1104                        | 2453   | 3394   | 3559   |      | 326                              | 710   | 999   | 1051  | 29.5                           | 29.5 | 62.3                                       |      |
| 3122 Prepared animal feeds                       |      | 1250                        | 4302   | 6220   | 7492   |      | 151                              | 510   | 749   | 906   | 12.1                           | 12.1 | 47.4                                       |      |
| 313 Beverages                                    |      | 8443                        | 21746  | 31988  | 41316  |      | 4738                             | 11716 | 17450 | 22757 | 56.1                           | 55.1 | 9.5  |      |
| 3131 Distilling, rectifying and blending spirits |      | 1331                        | 1944   | 2825   | 3770   |      | 913                              | 1308  | 1933  | 2587  | 68.6                           | 68.6 | 8.0  |      |
| 3132 Wine industries                             |      | 16                          | 39     | 48     | 40     |      | 8                                | 18    | 23    | 19    | 48.1                           | 48.1 | 21.7                                       |      |
| 3133 Malt liquors and malt                       |      | 3548                        | 9553   | 13565  | 18391  |      | 2153                             | 5694  | 8214  | 11172 | 60.7                           | 60.7 | 7.6  |      |
| 3134 Soft drinks and carbonated waters           |      | 3549                        | 10201  | 15549  | 19115  |      | 1665                             | 4596  | 7280  | 8978  | 45.9                           | 47.0 | 12.8                                       |      |
| 314 Tobacco                                      |      | 2221                        | 4620   | 6588   | 8591   |      | 1410                             | 2878  | 4174  | 5460  | 63.5                           | 63.5 | 11.2                                       |      |
| 321 Textiles                                     |      | 3312                        | 8540   | 10239  | 11815  |      | 1173                             | 2948  | 3543  | 4092  | 35.4                           | 34.5 | 64.1                                       |      |
| 3211 Spinning, weaving and finishing textiles    |      | 1532                        | 3929   | 5373   | 6343   |      | 503                              | 1256  | 1750  | 2085  | 32.8                           | 32.9 | 55.0                                       |      |
| 3212 Made-up textile goods excl wearing apparel  |      | 31                          | 67     | 74     | 100    |      | 9                                | 19    | 22    | 29    | 29.0                           | 29.2 |  |      |
| 3213 Knitting mills                              |      | 946                         | 2185   | 2029   | 2194   |      | 392                              | 889   | 840   | 911   | 41.5                           | 41.5 | 91.5                                       |      |
| 3214 Carpets and rugs                            |      | 89                          | 286    | 371    | 222    |      | 29                               | 90    | 119   | 71    | 32.0                           | 32.1 | 53.1                                       |      |
| 3215 Cordage, rope and twine                     |      | 715                         | 2072   | 2392   | 2955   |      | 241                              | 685   | 804   | 996   | 33.7                           | 33.7 | 22.5                                       |      |
| 3219 Other textiles                              |      |                             |        |        |        |      |                                  |       |       |       |                                |      |  |      |
| 322 Wearing apparel, except footwear             |      | 4326                        | 7648   | 10583  | 16021  |      | 1702                             | 2952  | 4155  | 6310  | 39.3                           | 39.4 | 79.8                                       |      |
| 323 Leather and fur products                     |      | 615                         | 1188   | 1317   | 1649   |      | 238                              | 449   | 511   | 639   | 38.5                           | 38.7 | 44.5                                       |      |
| 3231 Tanneries and leather finishing             |      | 432                         | 862    | 872    | 1147   |      | 160                              | 312   | 321   | 424   | 35.9                           | 37.0 | 44.2                                       |      |
| 3232 Fur dressing and dyeing industries          |      |                             |        |        |        |      |                                  |       |       |       |                                |      |  |      |
| 3233 Leather prod. excl wearing apparel          |      | 183                         | 325    | 445    | 502    |      | 78                               | 137   | 190   | 214   | 42.7                           | 42.7 | 45.2                                       |      |
| 324 Footwear, except rubber or plastic           |      | 1168                        | 1794   | 2194   | 3514   |      | 468                              | 705   | 877   | 1409  | 40.1                           | 40.1 | 63.7                                       |      |
| 331 Wood products, except furniture              |      | 2977                        | 4774   | 5986   | 7145   |      | 1269                             | 2003  | 2548  | 3050  | 42.5                           | 42.7 | 28.9                                       |      |
| 3311 Sawmills, planing and other wood mills      |      | 2653                        | 4369   | 5429   | 6544   |      | 1138                             | 1839  | 2324  | 2810  | 42.9                           | 42.9 | 27.3                                       |      |
| 3312 Wooden and cane containers                  |      | 196                         | 191    | 343    | 409    |      | 74                               | 71    | 129   | 154   | 37.7                           | 37.8 | 12.1                                       |      |
| 3319 Other wood and cork products                |      | 129                         | 214    | 214    | 193    |      | 57                               | 93    | 95    | 85    | 44.5                           | 44.5 | 81.6                                       |      |
| 332 Furniture and fixtures, excl metal           |      | 2207                        | 6270   | 6780   | 8470   |      | 705                              | 1965  | 2161  | 2708  | 31.9                           | 32.0 | 26.0                                       |      |
| 341 Paper and products                           |      | 4061                        | 16476  | 21181  | 25445  |      | 1115                             | 4118  | 5385  | 6495  | 27.5                           | 25.5 | 23.1                                       |      |
| 3411 Pulp, paper and paperboard articles         |      |                             |        |        |        |      |                                  |       |       |       |                                |      |  |      |
| 3412 Containers of paper and paperboard          |      | 2725                        | 14038  | 18044  | 21623  |      | 650                              | 3285  | 4294  | 5162  | 23.8                           | 23.9 | 23.5                                       |      |
| 3419 Other pulp, paper and paperboard articles   |      | 1336                        | 2438   | 3137   | 3822   |      | 466                              | 834   | 1091  | 1334  | 34.9                           | 34.9 | 22.5                                       |      |
| 342 Printing and publishing                      |      | 3032                        | 9006   | 11561  | 15245  |      | 1061                             | 3093  | 4038  | 5342  | 35.0                           | 35.0 | 45.4                                       |      |
| 351 Industrial chemicals                         |      | 5404                        | 12467  | 16699  | 24729  |      | 1335                             | 3021  | 4116  | 6099  | 24.7                           | 24.7 | 21.2                                       |      |
| 3511 Basic chemicals excl fertilizers            |      | 28                          | 64     | 71     | 110    |      | 18                               | 39    | 44    | 59    | 62.3                           | 62.3 | 47.3                                       |      |
| 3512 Fertilizers and pesticides                  |      | 5099                        | 11755  | 15838  | 23227  |      | 1271                             | 2875  | 3940  | 5797  | 24.9                           | 25.0 | 14.4                                       |      |
| 3513 Synthetic resins and plastic materials      |      | 277                         | 648    | 790    | 1393   |      | 47                               | 107   | 132   | 234   | 15.8                           | 15.8 |  |      |
| 352 Other chemicals                              |      | 6835                        | 15374  | 22884  | 31465  |      | 2134                             | 4568  | 6913  | 9594  | 31.2                           | 30.5 | 31.8                                       |      |
| 3521 Paints, varnishes and lacquers              |      | 706                         | 2478   | 4175   | 5292   |      | 162                              | 559   | 958   | 1218  | 23.0                           | 23.0 | 79.0                                       |      |
| 3522 Drugs and medicines                         |      | 2760                        | 4417   | 7160   | 9928   |      | 922                              | 1447  | 2385  | 3311  | 33.4                           | 33.4 | 22.3                                       |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 2520                        | 6686   | 8884   | 12281  |      | 727                              | 1892  | 2557  | 3545  | 28.8                           | 28.9 | 28.9                                       |      |
| 3529 Other chemical products                     |      | 850                         | 1793   | 2655   | 3964   |      | 324                              | 670   | 1013  | 1511  | 38.1                           | 38.1 | 42.0                                       |      |
| 353 Petroleum refineries                         |      | 8444                        | 12072  | 11691  | 19697  |      | 2284                             | 3203  | 3155  | 5333  | 27.0                           | 27.1 | 20.7                                       |      |

|   |           |        |        |        |          |       |        |        |      |      |      |
|---|-----------|--------|--------|--------|----------|-------|--------|--------|------|------|------|
| 354 Misc petroleum and coal products            | 24        | 25     | 18     | 25     | 8        | 8     | 6      | 9      | 33 5 | 33 6 |      |
| 355 Rubber products                             | 2092      | 4610   | 5227   | 6564   | 735      | 1537  | 1773   | 2237   | 35 2 | 34 1 | 38 2 |
| 3551 Tyres and tubes                            | 1426      | 3474   | 3938   | 4926   | 428      | 1022  | 1178   | 1478   | 30 0 | 30 0 | 45 9 |
| 3559 Other rubber products                      | 665       | 1137   | 1289   | 1638   | 308      | 515   | 595    | 758    | 45 2 | 45 3 | 27 6 |
| 356 Plastic products                            | 3678      | 9396   | 13050  | 16304  | 1315     | 3296  | 4655   | 6835   | 35 8 | 35 8 | 39 9 |
| 361 Pottery, china, earthenware                 | 257       | 879    | 1208   | 1591   | 92       | 310   | 433    | 673    | 36 0 | 36 0 | 65 9 |
| 362 Glass and products                          | 938       | 2772   | 3447   | 3906   | 346      | 1004  | 1270   | 1444   | 36 9 | 37 0 | 21 1 |
| 369 Other non-metallic mineral products         | 2590      | 8439   | 9799   | 12782  | 959      | 3286  | 3854   | 4907   | 37 4 | 38 4 | 34 0 |
| 3691 Structural clay products                   | 251       | 1587   | 1828   | 1760   | 144      | 890   | 1042   | 1007   | 57 2 | 57 2 | 22 9 |
| 3692 Cement, lime and plaster                   | 636       | 2247   | 2675   | 3672   | 229      | 794   | 982    | 1325   | 35 0 | 36 1 | 25 4 |
| 3699 Other non-metallic mineral products        | 1703      | 4605   | 5298   | 7350   | 596      | 1581  | 1850   | 2576   | 35 0 | 35 0 | 39 9 |
| 371 Iron and steel                              | -         | -      | -      | -      | -        | -     | -      | -      | -    | -    | -    |
| 372 Non-ferrous metals                          | 134       | 419    | 640    | 708    | -23      | 100   | 155    | 172    |      | 24 3 |      |
| 381 Fabricated metal products                   | 2444      | 7784   | 10548  | 14383  | 590      | 1796  | 2431   | 3380   | 24 1 | 23 6 | 64 7 |
| 3811 Cutlery, hand tools and general hardware   |           |        |        |        |          |       |        |        |      |      |      |
| 3812 Furniture and fixtures primarily of metal  | 285       | 756    | 902    | 1548   | 129      | 336   | 408    | 702    | 45 3 | 45 3 | 45 3 |
| 3813 Structural metal products                  | 358       | 1022   | 1234   | 1379   | 103      | 288   | 354    | 396    | 28 7 | 28 7 | 76 2 |
| 3819 Other fabricated metal products            | 1801      | 6006   | 8412   | 11456  | 358      | 1172  | 1670   | 2282   | 19 9 | 19 9 | 63 3 |
| 382 Non-electrical machinery                    | 1508      | 3542   | 4458   | 6701   | 525      | 1203  | 1537   | 2296   | 34 8 | 34 3 | 54 1 |
| 3821 Engines and turbines                       |           |        |        |        |          |       |        |        |      |      |      |
| 3822 Agricultural machinery and equipment       |           |        |        |        |          |       |        |        |      |      |      |
| 3823 Metal and wood working machinery           | 15        | 58     | 88     | 128    | 5        | 19    | 29     | 42     | 33 3 | 33 0 | 78 7 |
| 3824 Other special industrial machinery         | 297       | 635    | 774    | 963    | 131      | 275   | 341    | 425    | 44 1 | 44 1 | 27 9 |
| 3825 Office, computing and accounting machinery |           |        |        |        |          |       |        |        |      |      |      |
| 3829 Other non-electrical machinery & equipment | 1196      | 2850   | 3596   | 5610   | 389      | 910   | 1168   | 1828   | 32 6 | 32 6 | 25 0 |
| 383 Electrical machinery                        | 4063      | 11998  | 18187  | 29700  | 1083     | 3027  | 4604   | 7409   | 25 7 | 24 9 | 30 6 |
| 3831 Electrical industrial machinery            | 161       | 475    | 572    | 838    | 57       | 166   | 204    | 299    | 35 7 | 35 7 |      |
| 3832 Radio, television and communication equipm | 2789      | 9045   | 14164  | 24094  | 622      | 1980  | 3153   | 5381   | 22 3 | 22 3 | 4 7  |
| 3833 Electrical appliances and housewares       |           |        |        |        |          |       |        |        |      |      |      |
| 3839 Other electrical apparatus and supplies    | 1114      | 2477   | 3450   | 4768   | 403      | 880   | 1247   | 1729   | 35 2 | 35 3 | 52 2 |
| 384 Transport equipment                         | 1057      | 3021   | 3384   | 6286   | 518      | 1504  | 1701   | 3228   | 49 0 | 51 3 | 35 5 |
| 3841 Shipbuilding and repairing                 | 207       | 394    | 348    | 397    | 95       | 178   | 160    | 183    | 45 1 | 45 2 | 22 8 |
| 3842 Railroad equipment                         |           |        |        |        |          |       |        |        |      |      |      |
| 3843 Motor vehicles                             | 464       | 1351   | 1852   | 3672   | 206      | 588   | 819    | 1629   | 44 3 | 44 4 | 20 2 |
| 3844 Motorcycles and bicycles                   | 134       | 280    | 143    |        | 56       | 115   | 60     |        | 41 9 |      | 27 5 |
| 3845 Aircraft                                   | 253       | 996    | 1041   | 2217   | 161      | 624   | 663    | 1416   | 63 8 | 63 9 | 65 8 |
| 3849 Other transport equipment                  |           |        |        |        |          |       |        |        |      |      |      |
| 385 Professional and scientific equipment       |           |        |        |        |          |       |        |        |      |      |      |
| 3851 Prof and scientific equipment n e c        |           |        |        |        |          |       |        |        |      |      |      |
| 3852 Photographic and optical goods             |           |        |        |        |          |       |        |        |      |      |      |
| 3853 Watches and clocks                         |           |        |        |        |          |       |        |        |      |      |      |
| 390 Other manufacturing industries              | 383       | 921    | 1049   | 1576   | 148      | 348   | 403    | 613    | 38 6 | 38 9 | 98 2 |
| 3901 Jewellery and related articles             | 26        | 60     | 56     | 175    | 12       | 27    | 25     | 79     | 45 0 | 45 1 |      |
| 3902 Musical instruments                        |           |        |        |        |          |       |        |        |      |      |      |
| 3903 Sporting and athletic goods                |           |        |        |        |          |       |        |        |      |      |      |
| 3909 Manufacturing industries, n e c            | 357       | 861    | 993    | 1401   | 136      | 322   | 377    | 534    | 38 1 | 38 1 | 81 4 |
| 3 Total manufacturing                           | a/ 124413 | 289906 | 387503 | 496610 | a/ 38397 | 87759 | 119082 | 155872 | 30 9 | 31 4 | 30 0 |

a/ Sum of available data

## Costa Rica

| ISIC Industry                             | Gross fixed capital formation |                   |      |      |      | Index numbers of industrial production |            |      |      |      |      |      |      |      |      |
|---|-------------------------------|-------------------|------|------|------|--|------------|------|------|------|------|------|------|------|------|
|   | Note                          | (million COLONES) |      |      |      | Note                                   | (1980=100) |      |      |      |      |      |      |      |      |
|   |                               | 1985              | 1990 | 1991 | 1992 |  | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 313 Beverages                             |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 314 Tobacco                               |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 321 Textiles                              |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 322 Wearing apparel, except footwear      |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 323 Leather and fur products              |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 324 Footwear, except rubber or plastic    |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 331 Wood products, except furniture       |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 332 Furniture and fixtures, excl metal    |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 341 Paper and products                    |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 342 Printing and publishing               |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 351 Industrial chemicals                  |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 352 Other chemicals                       |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 353 Petroleum refineries                  |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 354 Misc petroleum and coal products      |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 355 Rubber products                       |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 356 Plastic products                      |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 361 Pottery, china, earthenware           |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 362 Glass and products                    |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 369 Other non-metallic mineral products   |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 371 Iron and steel                        |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 372 Non-ferrous metals                    |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 381 Fabricated metal products             |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 382 Non-electrical machinery              |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 383 Electrical machinery                  |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 384 Transport equipment                   |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 386 Professional and scientific equipment |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 390 Other manufacturing industries        |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 3 Total manufacturing                     |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |

## CÔTE D'IVOIRE

**Supplier of information:**

Institut national de la statistique, Abidjan.

**Basic source of data:**

National accounts report.

**Major deviations from current version of ISIC:**

Data are available only by broad groupings of industries.

**Reference period (if not calendar year):****Scope:**

All industrial enterprises over a certain size in the modern sector. These enterprises account for about 80 per cent of total industrial turnover.

**Method of enumeration:**

Sampling methods are used.

**Adjusted for non-response:**

Not reported

**Concepts and definitions of variables:**

Value added refers to total value added, which is the same as the contribution of the establishments in each branch of activity to gross domestic product.

**Related national publications:**

Les Comptes de la Nation (comptes provisoires), published by the Institut national de la statistique, Abidjan.

## Côte d'Ivoire

|   | Note | Number of establishments |      |      |      | Note | Number of employees |      |      |      | Note | Wages and salaries paid to employees |      |      |      |
|---|------|--------------------------|------|------|------|------|---------------------|------|------|------|------|--------------------------------------|------|------|------|
|   |      | (numbers)                |      |      |      |      | (numbers)           |      |      |      |      | (billion CFA FRANCS)                 |      |      |      |
| ISIC Industry                             |      | 1985                     | 1989 | 1990 | 1991 |      | 1985                | 1989 | 1990 | 1991 |      | 1985                                 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 313 Beverages                             |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 314 Tobacco                               |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 321 Textiles                              |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 322 Wearing apparel, except footwear      |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 323 Leather and fur products              |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 324 Footwear, except rubber or plastic    |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 331 Wood products, except furniture       |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 332 Furniture and fixtures, excl metal    |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 341 Paper and products                    |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 342 Printing and publishing               |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 351 Industrial chemicals                  |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 352 Other chemicals                       |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 353 Petroleum refineries                  |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 354 Misc petroleum and coal products      |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 355 Rubber products                       |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 356 Plastic products                      |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 361 Pottery, china, earthenware           |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 362 Glass and products                    |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 369 Other non-metallic mineral products   |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 371 Iron and steel                        |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 372 Non-ferrous metals                    |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 381 Fabricated metal products             |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 382 Non-electrical machinery              |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 383 Electrical machinery                  |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 384 Transport equipment                   |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 385 Professional and scientific equipment |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 390 Other manufacturing industries        |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 3 Total manufacturing                     |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |



## Côte d'Ivoire

| ISIC Industry                             | Note | Output               |      |      |      | Note | Value added in producers' prices |       |       |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|----------------------|------|------|------|------|----------------------------------|-------|-------|------|--------------------------------|------|--|------|
|   |      | (billion CFA FRANCS) |      |      |      |      | (billion CFA FRANCS)             |       |       |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                 | 1989 | 1990 | 1991 |      | 1985                             | 1989  | 1990  | 1991 | 1985                           | 1991 | 1985                                       | 1991 |
| 311/2 Food Products                       |      |                      |      |      |      |      | 178a/                            | 169a/ | 168a/ |      |                                |      |  |      |
| 313 Beverages                             |      |                      |      |      |      |      | 23                               | 18    | 18    |      |                                |      |  |      |
| 314 Tobacco                               |      |                      |      |      |      |      | a/                               | a/    | a/    |      |                                |      |  |      |
| 321 Textiles                              |      |                      |      |      |      |      | 31b/                             | 65b/  | 58b/  |      |                                |      |  |      |
| 322 Wearing apparel, except footwear      |      |                      |      |      |      |      | b/                               | b/    | b/    |      |                                |      |  |      |
| 323 Leather and fur products              |      |                      |      |      |      |      | 4c/                              | 3c/   | 3c/   |      |                                |      |  |      |
| 324 Footwear, except rubber or plastic    |      |                      |      |      |      |      | c/                               | c/    | c/    |      |                                |      |  |      |
| 331 Wood products, except furniture       |      |                      |      |      |      |      | 21d/                             | 30d/  | 30d/  |      |                                |      |  |      |
| 332 Furniture and fixtures, excl metal    |      |                      |      |      |      |      | d/                               | d/    | d/    |      |                                |      |  |      |
| 341 Paper and products                    |      |                      |      |      |      |      |                                  |       |       |      |                                |      |  |      |
| 342 Printing and publishing               |      |                      |      |      |      |      |                                  |       |       |      |                                |      |  |      |
| 351 Industrial chemicals                  |      |                      |      |      |      |      | 38e/                             | 36e/  | 32e/  |      |                                |      |  |      |
| 352 Other chemicals                       |      |                      |      |      |      |      | e/                               | e/    | e/    |      |                                |      |  |      |
| 353 Petroleum refineries                  |      |                      |      |      |      |      | 134f/                            | 125f/ | 93f/  |      |                                |      |  |      |
| 354 Misc petroleum and coal products      |      |                      |      |      |      |      | f/                               | f/    | f/    |      |                                |      |  |      |
| 355 Rubber products                       |      |                      |      |      |      |      | 6                                | 6     | 6     |      |                                |      |  |      |
| 356 Plastic products                      |      |                      |      |      |      |      | e/                               | e/    | e/    |      |                                |      |  |      |
| 361 Pottery, china, earthenware           |      |                      |      |      |      |      | 4g/                              | 9g/   | 8g/   |      |                                |      |  |      |
| 362 Glass and products                    |      |                      |      |      |      |      | g/                               | g/    | g/    |      |                                |      |  |      |
| 369 Other non-metallic mineral products   |      |                      |      |      |      |      | g/                               | g/    | g/    |      |                                |      |  |      |
| 371 Iron and steel                        |      |                      |      |      |      |      | 2h/                              | 2h/   | 1h/   |      |                                |      |  |      |
| 372 Non-ferrous metals                    |      |                      |      |      |      |      | h/                               | h/    | h/    |      |                                |      |  |      |
| 381 Fabricated metal products             |      |                      |      |      |      |      | 27i/                             | 27i/  | 24i/  |      |                                |      |  |      |
| 382 Non-electrical machinery              |      |                      |      |      |      |      | i/                               | i/    | i/    |      |                                |      |  |      |
| 383 Electrical machinery                  |      |                      |      |      |      |      | i/                               | i/    | i/    |      |                                |      |  |      |
| 384 Transport equipment                   |      |                      |      |      |      |      | 44                               | 41    | 41    |      |                                |      |  |      |
| 385 Professional and scientific equipment |      |                      |      |      |      |      |                                  |       |       |      |                                |      |  |      |
| 390 Other manufacturing industries        |      |                      |      |      |      |      | 13                               | 14    | 16    |      |                                |      |  |      |
| 3 Total manufacturing                     |      |                      |      |      |      |      |                                  |       |       |      |                                |      |  |      |

a/ 311/2 includes 314  
c/ 323 includes 324  
e/ 351 includes 352 and 356  
g/ 361 includes 362 and 369  
i/ 381 includes 382 and 383

b/ 321 includes 322  
d/ 331 includes 332  
f/ 353 includes 354  
h/ 371 includes 372

## Côte d'Ivoire

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|------|------|--|------|------|------|------|------|------|------|
|   |      | (billion CFA FRANCS)          |      |      |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1989 | 1990 | 1991 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                               |      |      |      | 85   | 126                                    | 147  | 150  | 158  | 154  | 143  | 152  | 162  |
| 313 Beverages                             |      |                               |      |      |      | 75   | 76                                     | 75   | 81   | 81   | 78   | 65   | 58   | 55   |
| 314 Tobacco                               |      |                               |      |      |      | 81   | 64                                     | 68   | 66   | 58   | 54   | 48   | 47   | 44   |
| 321 Textiles                              |      |                               |      |      | a/   | 96   | 122                                    | 120  | 126  | 140  | 145  | 118  | 112  | 109  |
| 322 wearing apparel, except footwear      |      |                               |      |      | a/   |      |  |      |      |      |      |      |      |      |
| 323 Leather and fur products              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      |                               |      |      |      | 55   | 53                                     | 56   | 53   | 56   | 57   | 54   | 49   | 42   |
| 332 Furniture and fixtures, excl metal    |      |                               |      |      |      | 15   | 13                                     | 12   | 11   | 8    | 4    | 3    | 2    | 1    |
| 341 Paper and products                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 342 Printing and publishing               |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      |                               |      |      | b/   | 101  | 101                                    | 103  | 102  | 109  | 94   | 95   | 93   | 91   |
| 352 Other chemicals                       |      |                               |      |      | b/   |      |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      |                               |      |      | c/   | 91   | 140                                    | 144  | 176  | 206  | 207  | 210  | 207  | 200  |
| 354 Misc petroleum and coal products      |      |                               |      |      | c/   |      |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      |                               |      |      |      | 94   | 95                                     | 109  | 122  | 149  | 146  | 160  | 156  | 160  |
| 356 Plastic products                      |      |                               |      |      | d/   | 90   | 88                                     | 82   | 56   | 61   | 38   | 25   | 22   | 26   |
| 361 Pottery, china, earthenware           |      |                               |      |      |      | 66   | 12                                     | 8    | 12   | 11   | 12   | 7    | 1    | 2    |
| 362 Glass and products                    |      |                               |      |      |      | 95   | 149                                    | 283  | 188  | 86   | 110  | 107  | 147  | 118  |
| 369 Other non-metallic mineral products   |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      |                               |      |      |      | 152  | 180                                    | 205  | 174  | 183  | 198  | 147  | 128  | 128  |
| 382 Non-electrical machinery              |      |                               |      |      |      | 159  | 161                                    | 77   | 74   | 176  | 114  | 21   | 11   | 26   |
| 383 Electrical machinery                  |      |                               |      |      |      | 68   | 75                                     | 75   | 67   | 104  | 124  | 118  | 72   | 63   |
| 384 Transport equipment                   |      |                               |      |      |      | 31   | 64                                     | 95   | 61   | 39   | 34   | 32   | 31   | 38   |
| 385 Professional and scientific equipment |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      |                               |      |      |      | 66   | 82                                     | 77   | 80   | 46   | 32   | 19   | 22   | 30   |
| 3 Total manufacturing                     |      |                               |      |      |      | 81   | 103                                    | 116  | 113  | 115  | 114  | 100  | 98   | 101  |

a/ 321 includes 322  
c/ 353 includes 354

b/ 351 includes 352  
d/ Plastic shoes only

## CROATIA

**Supplier of information:**

Central Bureau of Statistics (CBS) of the Republic of Croatia, Zagreb.

**Basic source of data:**

The Complex Annual Report of the Economic Establishments and the Annual Report on Investment into Fixed Assets.

**Major deviations from current version of ISIC:**

The CBS has reclassified data collected under the national industrial classification system according to the current version of the ISIC. The data should be considered as provisional.

**Reference period (if not calendar year):****Scope:**

Not reported.

**Method of enumeration:**

Questionnaires distributed by mail.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Wages and salaries refers to the net wages after subtraction of social insurance contributions as well as contributions to pension and welfare funds and taxes. However, daily allowances, travelling costs, allowances for food and working clothing and some other allowances are included.

Gross fixed capital formation refers to investment in industry during the reference year, regardless of the time of payment.

**Related national publications:**

## Croatia

| ISIC Industry                             | Note | Number of establishments |      |      |      | Note | Number of employees |        |        |      | Note | Wages and salaries paid to employees |       |        |      |
|---|------|--------------------------|------|------|------|------|---------------------|--------|--------|------|------|--------------------------------------|-------|--------|------|
|   |      | (numbers)                |      |      |      |      | (numbers)           |        |        |      |      | (million DINARS)                     |       |        |      |
|   |      | 1985                     | 1990 | 1991 | 1992 |      | 1985                | 1990   | 1991   | 1992 |      | 1985                                 | 1990  | 1991   | 1992 |
| 311/2 Food Products                       |      |                          | 402  | 413  | 436  |      | 57561               | 47233  | 42472  |      |      | 4198                                 | 7058  | 26881  |      |
| 313 Beverages                             |      |                          | 79   | 74   | 95   |      | 9170                | 8342   | 7539   |      |      | 737                                  | 1310  | 5322   |      |
| 314 Tobacco                               |      |                          | 10   | 10   | 10   |      | 3337                | 3046   | 2655   |      |      | 358                                  | 521   | 2533   |      |
| 321 Textiles                              |      |                          | 158  | 174  | 191  |      | 44561               | 33333  | 26708  |      |      | 1849                                 | 2763  | 12604  |      |
| 322 Wearing apparel, except footwear      |      |                          | 157  | 198  | 239  |      | 39815               | 32824  | 27366  |      |      | 1718                                 | 2693  | 15844  |      |
| 323 Leather and fur products              |      |                          | 38   | 45   | 50   |      | 5966                | 4486   | 3628   |      |      | 300                                  | 366   | 1616   |      |
| 324 Footwear, except rubber or plastic    |      |                          | 53   | 50   | 51   |      | 27959               | 16315  | 9808   |      |      | 1085                                 | 938   | 5970   |      |
| 331 Wood products, except furniture       |      |                          | 219  | 274  | 327  |      | 23505               | 16878  | 14666  |      |      | 979                                  | 1287  | 8091   |      |
| 332 Furniture and fixtures, excl. metal   |      |                          | 91   | 110  | 137  |      | 21588               | 17350  | 15251  |      |      | 900                                  | 1345  | 7689   |      |
| 341 Paper and products                    |      |                          | 59   | 70   | 94   |      | 12187               | 9789   | 7150   |      |      | 758                                  | 1120  | 4788   |      |
| 342 Printing and publishing               |      |                          | 365  | 491  | 544  |      | 18433               | 14191  | 12208  |      |      | 1656                                 | 2503  | 10090  |      |
| 351 Industrial chemicals                  |      |                          | 40   | 43   | 49   |      | 15212               | 15491  | 11484  |      |      | 1319                                 | 1958  | 7882   |      |
| 352 Other chemicals                       |      |                          | 64   | 81   | 116  |      | 15013               | 12853  | 12714  |      |      | 1255                                 | 2200  | 10362  |      |
| 353 Petroleum refineries                  |      |                          | 5    | 4    | 4    |      | 6621                | 6600   | 5986   |      |      | 787                                  | 1190  | 4256   |      |
| 354 Misc. petroleum and coal products     |      |                          | 8    | 6    | 7    |      | 923                 | 806    | 781    |      |      | 54                                   | 111   | 700    |      |
| 355 Rubber products                       |      |                          | 21   | 27   | 31   |      | 7949                | 4968   | 984    |      |      | 391                                  | 269   | 545    |      |
| 356 Plastic products                      |      |                          | 140  | 170  | 240  |      | 12625               | 6566   | 6121   |      |      | 586                                  | 707   | 4019   |      |
| 361 Pottery, china, earthenware           |      |                          | 6    | 7    | 8    |      | 2885                | 2501   | 2256   |      |      | 136                                  | 284   | 1136   |      |
| 362 Glass and products                    |      |                          | 15   | 15   | 22   |      | 5405                | 4327   | 3409   |      |      | 345                                  | 474   | 2227   |      |
| 369 Other non-metallic mineral products   |      |                          | 122  | 133  | 145  |      | 18436               | 15320  | 13815  |      |      | 1048                                 | 1716  | 8574   |      |
| 371 Iron and steel                        |      |                          | 68   | 83   | 80   |      | 25546               | 14517  | 12594  |      |      | 1386                                 | 1660  | 7054   |      |
| 372 Non-ferrous metals                    |      |                          | 11   | 12   | 21   |      | 5280                | 4125   | 2213   |      |      | 364                                  | 373   | 1118   |      |
| 381 Fabricated metal products             |      |                          | 352  | 462  | 609  |      | 40275               | 28621  | 20868  |      |      | 2075                                 | 2450  | 12564  |      |
| 382 Non-electrical machinery              |      |                          | 403  | 534  | 624  |      | 44478               | 32931  | 27550  |      |      | 2743                                 | 3345  | 16301  |      |
| 383 Electrical machinery                  |      |                          | 189  | 304  | 419  |      | 33489               | 27537  | 24844  |      |      | 2134                                 | 3312  | 16651  |      |
| 384 Transport equipment                   |      |                          | 73   | 105  | 134  |      | 30709               | 28261  | 23841  |      |      | 2278                                 | 6728  | 14410  |      |
| 385 Professional and scientific equipment |      |                          | 23   | 43   | 50   |      | 1526                | 1619   | 1447   |      |      | 87                                   | 171   | 997    |      |
| 390 Other manufacturing industries        |      |                          | 28   | 38   | 57   |      | 2150                | 1883   | 1651   |      |      | 127                                  | 206   | 869    |      |
| 3 Total manufacturing                     |      |                          | 3199 | 3976 | 4790 |      | 532603              | 412715 | 342019 |      |      | 31663                                | 48958 | 211294 |      |

## Croatia

| ISIC Industry                             | Note | Output           |        |        |         | Note | Value added      |       |        |         | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|------------------|--------|--------|---------|------|------------------|-------|--------|---------|--------------------------------|------|--|------|
|   |      | (million DINARS) |        |        |         |      | (million DINARS) |       |        |         | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985             | 1990   | 1991   | 1992    |      | 1985             | 1990  | 1991   | 1992    | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       |      |                  | 34358  | 55982  | 444792  |      |                  | 12916 | 23971  | 182907  | 41.1                           |      | 14.7                                       |      |
| 313 Beverages                             |      |                  | 4664   | 10126  | 83095   |      |                  | 2485  | 4530   | 38708   | 46.6                           |      | 13.7                                       |      |
| 314 Tobacco                               |      |                  | 2272   | 6564   | 54303   |      |                  | 1384  | 4391   | 35746   | 66.8                           |      | 7.1  |      |
| 321 Textiles                              |      |                  | 9260   | 14990  | 111366  |      |                  | 4673  | 8279   | 67065   | 61.2                           |      | 22.1                                       |      |
| 322 Wearing apparel, except footwear      |      |                  | 6491   | 11221  | 88502   |      |                  | 3792  | 7089   | 63963   | 62.4                           |      | 29.4                                       |      |
| 323 Leather and fur products              |      |                  | 1800   | 2170   | 16462   |      |                  | 646   | 1012   | 7273    | 44.2                           |      | 22.2                                       |      |
| 324 Footwear, except rubber or plastic    |      |                  | 4493   | 4413   | 32916   |      |                  | 2029  | 2319   | 17200   | 62.3                           |      | 34.7                                       |      |
| 331 Wood products, except furniture       |      |                  | 5508   | 8017   | 80891   |      |                  | 2087  | 3616   | 38200   | 47.2                           |      | 21.2                                       |      |
| 332 Furniture and fixtures, excl metal    |      |                  | 4150   | 7349   | 64296   |      |                  | 1915  | 3483   | 28938   | 46.0                           |      | 26.6                                       |      |
| 341 Paper and products                    |      |                  | 5076   | 8626   | 61475   |      |                  | 2270  | 3778   | 23643   | 38.6                           |      | 20.2                                       |      |
| 342 Printing and publishing               |      |                  | 8160   | 12359  | 69574   |      |                  | 4409  | 6286   | 34428   | 49.6                           |      | 29.3                                       |      |
| 351 Industrial chemicals                  |      |                  | 9238   | 18593  | 148618  |      |                  | 1700  | 6651   | 37681   | 25.4                           |      | 20.9                                       |      |
| 352 Other chemicals                       |      |                  | 9532   | 15411  | 148395  |      |                  | 4253  | 8256   | 81000   | 64.6                           |      | 12.8                                       |      |
| 353 Petroleum refineries                  |      |                  | 16638  | 15262  | 126650  |      |                  | 1380  | 14125  | 43436   | 39.3                           |      | 8.6  |      |
| 354 Misc petroleum and coal products      |      |                  | 674    | 954    | 8695    |      |                  | -27   | 207    | 3932    | 46.2                           |      | 17.8                                       |      |
| 355 Rubber products                       |      |                  | 1964   | 1653   | 8085    |      |                  | 705   | 646    | 4138    | 61.2                           |      | 16.6                                       |      |
| 356 Plastic products                      |      |                  | 4033   | 5249   | 41746   |      |                  | 1610  | 2514   | 17936   | 43.0                           |      | 22.4                                       |      |
| 361 Pottery, china, earthenware           |      |                  | 844    | 1216   | 11096   |      |                  | 502   | 606    | 4562    | 41.1                           |      | 24.9                                       |      |
| 362 Glass and products                    |      |                  | 2167   | 3895   | 23193   |      |                  | 1176  | 2103   | 12252   | 62.8                           |      | 18.2                                       |      |
| 369 Other non-metallic mineral products   |      |                  | 5700   | 9271   | 79932   |      |                  | 2726  | 4601   | 40940   | 61.2                           |      | 20.9                                       |      |
| 371 Iron and steel                        |      |                  | 7963   | 8199   | 72016   |      |                  | 2565  | 2136   | 28256   | 39.2                           |      | 26.0                                       |      |
| 372 Non-ferrous metals                    |      |                  | 3136   | 4501   | 25761   |      |                  | 1188  | 1643   | 10721   | 41.6                           |      | 10.4                                       |      |
| 381 Fabricated metal products             |      |                  | 10113  | 13885  | 100285  |      |                  | 4688  | 6791   | 49658   | 49.5                           |      | 26.5                                       |      |
| 382 Non-electrical machinery              |      |                  | 12434  | 14827  | 113666  |      |                  | 6790  | 7660   | 61601   | 54.2                           |      | 26.6                                       |      |
| 383 Electrical machinery                  |      |                  | 10506  | 17527  | 140323  |      |                  | 6590  | 9690   | 73682   | 62.6                           |      | 22.6                                       |      |
| 384 Transport equipment                   |      |                  | 10695  | 17639  | 155800  |      |                  | 3799  | 8040   | 88222   | 66.6                           |      | 16.3                                       |      |
| 385 Professional and scientific equipment |      |                  | 329    | 966    | 6636    |      |                  | 228   | 671    | 3883    | 58.6                           |      | 26.7                                       |      |
| 390 Other manufacturing industries        |      |                  | 522    | 878    | 5563    |      |                  | 310   | 683    | 3193    | 67.6                           |      | 27.2                                       |      |
| 3 Total manufacturing                     |      |                  | 192718 | 291645 | 2321120 |      |                  | 76699 | 117321 | 1089153 | 46.9                           |      | 19.4                                       |      |

## Croatia

| ISIC Industry                             | Gross fixed capital formation |                  |      |      | Index numbers of industrial production |      |            |      |      |      |      |      |      |      |      |
|---|-------------------------------|------------------|------|------|--|------|------------|------|------|------|------|------|------|------|------|
|   | Note                          | (million DINARS) |      |      |  | Note | (1980=100) |      |      |      |      |      |      |      |      |
|   |                               | 1985             | 1990 | 1991 | 1992                                   |      | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |                               | ...              | 891  | 1603 | 13981                                  |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 313 Beverages                             |                               | ...              | 69   | 272  | 1808                                   |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 314 Tobacco                               |                               | ...              | 35   | 93   | 686                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 321 Textiles                              |                               | ...              | 285  | 407  | 1419                                   |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 322 Wearing apparel, except footwear      |                               | ...              | 156  | 288  | 1482                                   |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 323 Leather and fur products              |                               | ...              | 10   | 6    | 197                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 324 Footwear, except rubber or plastic    |                               | ...              | 46   | 19   | 535                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 331 Wood products, except furniture       |                               | ...              | 110  | 75   | 1185                                   |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 332 Furniture and fixtures, excl metal    |                               | ...              | 206  | 32   | 1896                                   |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 341 Paper and products                    |                               | ...              | 81   | 175  | 1889                                   |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 342 Printing and publishing               |                               | ...              | 131  | 380  | 1310                                   |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 351 Industrial chemicals                  |                               | ...              | 247  | 165  | 1749                                   |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 352 Other chemicals                       |                               | ...              | 221  | 42   | 13427                                  |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 353 Petroleum refineries                  |                               | ...              | 154  | 247  | 3225                                   |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 354 Misc petroleum and coal products      |                               | ...              | -    | 3    | 84                                     |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 355 Rubber products                       |                               | ...              | 15   | 1    | 57                                     |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 356 Plastic products                      |                               | ...              | 32   | 68   | 967                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 361 Pottery, china, earthenware           |                               | ...              | 50   | 250  | 1803                                   |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 362 Glass and products                    |                               | ...              | 100  | 90   | 9270                                   |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 369 Other non-metallic mineral products   |                               | ...              | 113  | 176  | 3099                                   |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 371 Iron and steel                        |                               | ...              | 158  | 132  | 990                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 372 Non-ferrous metals                    |                               | ...              | 105  | 1    | 53                                     |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 381 Fabricated metal products             |                               | ...              | 147  | 369  | 1159                                   |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 382 Non-electrical machinery              |                               | ...              | 378  | 428  | 1859                                   |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 383 Electrical machinery                  |                               | ...              | 241  | 386  | 3591                                   |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 384 Transport equipment                   |                               | ...              | 411  | 2430 | 6363                                   |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 385 Professional and scientific equipment |                               | ...              | 8    | 6    | 42                                     |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 390 Other manufacturing industries        |                               | ...              | 11   | 12   | 38                                     |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 3 Total manufacturing                     |                               | ...              | 4412 | 8547 | 73943                                  |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |

## CYPRUS

**Supplier of information:**

Department of Statistics and Research, Ministry of Finance, Nicosia.

**Basic source of data:**

Annual survey of industrial production.

**Major deviations from current version of ISIC:**

Data exclude cottage industry (embroidery, weaving and cane products).

**Reference period (if not calendar year):**

**Scope:**

All establishments in the Government controlled areas, with adjustments on the basis of the results of the 1986 census.

The indices of industrial production cover a representative sample of all establishments.

**Method of enumeration:**

The inquiry is carried out on a sample basis, and through interviews. Every five years, the Department conducts a census of industrial production covering establishments with 5 or more persons engaged on a complete enumeration basis and establishments with 4 or fewer persons engaged on a sample basis. The census provides the basis for reviewing the intercensal estimates of output, value added and employment that are compiled from the annual survey. The frame for the census as well as for the annual survey is provided by a registry of establishments, which is updated prior to each census.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

Number of employees relates to annual averages.

Output comprises the value of all goods produced, the value of services rendered to others and other receipts. It is valued at the prices secured by the establishment or the enterprise including excise taxes, but excluding discounts, commissions, subsidies and VAT. If transport costs are paid by the producer, the value of output includes these costs. Otherwise, valuation is at ex-factory prices.

Value added refers to the value of output minus the costs of materials, fuel and electricity used, and the amount paid for work given out.

Gross fixed capital formation is the current value of purchases minus disposals of fixed assets, including buildings, transport equipment, machinery and other equipment. Major additions, alterations and improvements to existing fixed assets are included, as are fixed assets produced by the establishment for its own use.

**Related national publications:**

Industrial Statistics (annual); Statistical Abstract (annual); Economic Report (annual); Index Numbers of Industrial Production (irregular), all published by the Department of Statistics and Research, Ministry of Finance, Nicosia.

## Cyprus

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note | Number of employees |       |       |      | Note  | Wages and salaries paid to employees |       |       |      |
|--|------|--------------------------|------|------|------|------|---------------------|-------|-------|------|-------|--------------------------------------|-------|-------|------|
|  |      | (numbers)                |      |      |      |      | (numbers)           |       |       |      |       | (thousand POUNDS)                    |       |       |      |
|  |      | 1985                     | 1990 | 1991 | 1992 |      | 1985                | 1990  | 1991  | 1992 |       | 1985                                 | 1990  | 1991  | 1992 |
| 311/2 Food Products                              |      | 910                      | 926  | 923  | 924  | 4686 | 5880                | 5833  | 5988  |      | 12847 | 22886                                | 24458 | 27981 |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 144                      | 86   | 86   | 86   | 263  | 562                 | 559   | 570   |      | 729   | 2842                                 | 3035  | 3586  |      |
| 3112 Dairy products                              |      | 102                      | 109  | 109  | 109  | 709  | 816                 | 869   | 938   |      | 2108  | 3460                                 | 3953  | 4963  |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 17                       | 16   | 16   | 16   | 574  | 496                 | 489   | 431   |      | 1496  | 1917                                 | 1892  | 2014  |      |
| 3114 Canning, preserving and processing of fish  |      | -                        | -    | -    | -    | -    | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 3115 Vegetable and animal oils and fats          |      | 44                       | 37   | 37   | 37   | 173  | 157                 | 150   | 162   |      | 652   | 697                                  | 748   | 789   |      |
| 3116 Grain mill products                         |      | 37                       | 28   | 28   | 28   | 156  | 142                 | 146   | 150   |      | 600   | 850                                  | 913   | 1082  |      |
| 3117 Bakery products                             |      | 412                      | 475  | 472  | 474  | 1648 | 2342                | 2235  | 2358  |      | 4184  | 7795                                 | 8103  | 9134  |      |
| 3118 Sugar factories and refineries              |      | -                        | -    | -    | -    | -    | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 30                       | 54   | 53   | 52   | 285  | 343                 | 328   | 285   |      | 655   | 1158                                 | 1293  | 1163  |      |
| 3121 Other food products                         |      | 72                       | 61   | 62   | 62   | 619  | 676                 | 713   | 722   |      | 1704  | 2518                                 | 2904  | 3570  |      |
| 3122 Prepared animal feeds                       |      | 52                       | 60   | 60   | 60   | 259  | 347                 | 344   | 372   |      | 820   | 1539                                 | 1617  | 1680  |      |
| 313 Beverages                                    |      | 52                       | 57   | 57   | 57   | 1774 | 1905                | 1938  | 1989  |      | 7499  | 10509                                | 11922 | 13459 |      |
| 3131 Distilling, rectifying and blending spirits | a/   | 30                       | 39   | 39   | 39   | 1178 | 1375                | 1315  | 1310  | a/   | 5108  | 8028                                 | 8330  | 9148  |      |
| 3132 Wine industries                             | a/   | -                        | -    | -    | -    | -    | -                   | -     | -     | a/   | -     | -                                    | -     | -     |      |
| 3133 Malt liquors and malt                       | a/   | -                        | -    | -    | -    | -    | -                   | -     | -     | a/   | -     | -                                    | -     | -     |      |
| 3134 Soft drinks and carbonated waters           |      | 22                       | 18   | 18   | 18   | 596  | 530                 | 623   | 679   |      | 2393  | 2881                                 | 3592  | 4311  |      |
| 314 Tobacco                                      |      | 4                        | 7    | 7    | 7    | 452  | 442                 | 423   | 411   |      | 1706  | 2937                                 | 2939  | 3082  |      |
| 321 Textiles                                     |      | 203                      | 225  | 230  | 230  | 2089 | 2181                | 2311  | 2401  |      | 4715  | 7320                                 | 8252  | 9506  |      |
| 3211 Spinning, weaving and finishing textiles    |      | 23                       | 18   | 18   | 18   | 253  | 371                 | 389   | 355   |      | 653   | 1520                                 | 1505  | 1559  |      |
| 3212 Made-up textile goods excl wearing apparel  |      | 91                       | 102  | 103  | 103  | 318  | 472                 | 502   | 494   |      | 738   | 1536                                 | 1797  | 1988  |      |
| 3213 Knitting mills                              |      | 89                       | 105  | 109  | 109  | 1508 | 1338                | 1440  | 1542  |      | 3324  | 4264                                 | 4950  | 5849  |      |
| 3214 Carpets and rugs                            |      | -                        | -    | -    | -    | -    | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 3215 Cordage, rope and twine                     |      | -                        | -    | -    | -    | -    | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 3219 Other textiles                              |      | -                        | -    | -    | -    | -    | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 322 Wearing apparel, except footwear             |      | 1306                     | 1430 | 1420 | 1410 | 8975 | 11272               | 11009 | 10778 |      | 17644 | 32049                                | 34063 | 35712 |      |
| 323 Leather and fur products                     |      | 84                       | 97   | 95   | 93   | 940  | 940                 | 939   | 905   |      | 2042  | 3070                                 | 3120  | 3171  |      |
| 3231 Tanneries and leather finishing             |      | 10                       | 6    | 6    | 5    | 67   | 82                  | 54    | 48    |      | 250   | 283                                  | 270   | 251   |      |
| 3232 Fur dressing and dyeing industries          |      | -                        | -    | -    | -    | -    | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 3233 Leather prods excl wearing apparel          |      | 74                       | 91   | 89   | 87   | 873  | 878                 | 885   | 857   |      | 1792  | 2787                                 | 2850  | 2920  |      |
| 324 Footwear, except rubber or plastic           |      | 169                      | 169  | 160  | 155  | 2763 | 2139                | 2034  | 2000  |      | 7197  | 7548                                 | 7608  | 8234  |      |
| 331 Wood products, except furniture              |      | 922                      | 965  | 961  | 962  | 2112 | 1929                | 1822  | 2155  |      | 6153  | 7550                                 | 7844  | 9642  |      |
| 3311 Sawmills, planing and other wood mills      | b/   | 818                      | 865  | 861  | 862  | 2047 | 1825                | 1716  | 2017  | b/   | 5996  | 7150                                 | 7385  | 9041  |      |
| 3312 Wooden and cane containers                  | b/   | -                        | -    | -    | -    | -    | -                   | -     | -     | b/   | -     | -                                    | -     | -     |      |
| 3319 Other wood and cork products                |      | 104                      | 100  | 100  | 100  | 65   | 104                 | 106   | 138   |      | 157   | 390                                  | 459   | 601   |      |
| 332 Furniture and fixtures, excl metal           |      | 774                      | 708  | 700  | 702  | 2334 | 2371                | 2310  | 2391  |      | 6218  | 8894                                 | 9701  | 10348 |      |
| 341 Paper and products                           |      | 52                       | 60   | 60   | 60   | 622  | 779                 | 810   | 759   |      | 1990  | 3442                                 | 3728  | 4226  |      |
| 3411 Pulp, paper and paperboard articles         |      | -                        | -    | -    | -    | -    | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 3412 Containers of paper and paperboard          |      | 13                       | 14   | 14   | 14   | 269  | 261                 | 267   | 293   |      | 1078  | 1524                                 | 1492  | 1949  |      |
| 3419 Other pulp, paper and paperboard articles   |      | 39                       | 46   | 46   | 46   | 353  | 518                 | 543   | 466   |      | 912   | 1918                                 | 2236  | 2277  |      |
| 342 Printing and publishing                      |      | 218                      | 330  | 320  | 320  | 1525 | 1843                | 1702  | 1771  |      | 5809  | 9291                                 | 9494  | 10716 |      |
| 351 Industrial chemicals                         |      | 8                        | 6    | 6    | 6    | 182  | 94                  | 96    | 99    |      | 771   | 478                                  | 525   | 637   |      |
| 3511 Basic chemicals excl fertilizers            |      | 1                        | 1    | 1    | 1    | 26   | 29                  | 27    | 28    |      | 143   | 183                                  | 204   | 240   |      |
| 3512 Fertilizers and pesticides                  |      | 7                        | 5    | 5    | 5    | 156  | 65                  | 69    | 71    |      | 628   | 295                                  | 321   | 397   |      |
| 3513 Synthetic resins and plastic materials      |      | -                        | -    | -    | -    | -    | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 352 Other chemicals                              |      | 101                      | 103  | 108  | 106  | 1144 | 1287                | 1368  | 1360  |      | 3290  | 5432                                 | 6289  | 7074  |      |
| 3521 Paints, varnishes and lacquers              |      | 9                        | 14   | 14   | 14   | 200  | 212                 | 230   | 231   |      | 634   | 982                                  | 1158  | 1294  |      |
| 3522 Drugs and medicines                         |      | 4                        | 4    | 4    | 4    | 103  | 204                 | 248   | 267   |      | 255   | 738                                  | 991   | 1242  |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 28                       | 31   | 31   | 31   | 535  | 559                 | 595   | 591   |      | 1535  | 2368                                 | 2794  | 3202  |      |
| 3529 Other chemical products                     |      | 60                       | 54   | 59   | 57   | 306  | 312                 | 295   | 271   |      | 866   | 1324                                 | 1345  | 1336  |      |
| 353 Petroleum refineries                         |      | 1                        | 1    | 1    | 1    | 183  | 143                 | 141   | 157   |      | 1572  | 1759                                 | 1924  | 2208  |      |



|   |      |      |      |      |       |       |       |       |        |        |        |        |
|---|------|------|------|------|-------|-------|-------|-------|--------|--------|--------|--------|
| 354 Misc petroleum and coal products            | -    | -    | -    | -    | -     | -     | -     | -     | -      | -      | -      | -      |
| 355 Rubber products                             | 18   | 15   | 15   | 15   | 137   | 140   | 136   | 161   | 439    | 590    | 651    | 782    |
| 3551 Tyres and tubes                            | 8    | 5    | 5    | 5    | 69    | 59    | 57    | 65    | 232    | 305    | 303    | 321    |
| 3559 Other rubber products                      | 10   | 10   | 10   | 10   | 68    | 81    | 79    | 96    | 207    | 285    | 348    | 461    |
| 356 Plastic products                            | 45   | 43   | 43   | 43   | 1106  | 1175  | 1192  | 1194  | 3433   | 5326   | 5783   | 6402   |
| 361 Pottery, china, earthenware                 | 41   | 63   | 63   | 66   | 81    | 99    | 93    | 165   | 178    | 322    | 301    | 559    |
| 362 Glass and products                          | 17   | 33   | 33   | 33   | 13    | 85    | 92    | 74    | 35     | 320    | 412    | 361    |
| 369 Other non-metallic mineral products         | 170  | 235  | 236  | 236  | 2158  | 2399  | 2428  | 2652  | 8481   | 14007  | 15051  | 16135  |
| 3691 Structural clay products                   | 79   | 92   | 92   | 92   | 1107  | 1098  | 1132  | 1204  | 3506   | 5251   | 5822   | 6458   |
| 3692 Cement, lime and plaster                   | 3    | 5    | 5    | 5    | 485   | 510   | 503   | 519   | 2829   | 4720   | 4795   | 5555   |
| 3699 Other non-metallic mineral products        | 88   | 138  | 139  | 139  | 566   | 791   | 793   | 829   | 2146   | 4036   | 4433   | 4022   |
| 371 Iron and steel                              | -    | -    | -    | -    | -     | -     | -     | -     | -      | -      | -      | -      |
| 372 Non-ferrous metals                          | -    | -    | -    | -    | -     | -     | -     | -     | -      | -      | -      | -      |
| 381 Fabricated metal products                   | 850  | 900  | 905  | 904  | 2551  | 2697  | 2709  | 2731  | 7455   | 11202  | 12334  | 13551  |
| 3811 Cutlery, hand tools and general hardware   | 94   | 99   | 100  | 100  | 113   | 119   | 128   | 122   | 281    | 554    | 558    | 607    |
| 3812 Furniture and fixtures primarily of metal  | 50   | 52   | 52   | 53   | 391   | 445   | 445   | 531   | 1092   | 1631   | 1881   | 2511   |
| 3813 Structural metal products                  | 614  | 648  | 652  | 650  | 1307  | 1402  | 1385  | 1368  | 3852   | 5899   | 6297   | 6845   |
| 3819 Other fabricated metal products            | 92   | 101  | 101  | 101  | 740   | 730   | 749   | 710   | 2240   | 3118   | 3602   | 3588   |
| 382 Non-electrical machinery                    | 224  | 280  | 280  | 280  | 1266  | 1353  | 1327  | 1362  | 4219   | 5903   | 6289   | 7071   |
| 3821 Engines and turbines                       | c/   | 222  | 274  | 274  | c/    | 1249  | 1353  | 1327  | c/     | 4171   | 5903   | 6289   |
| 3822 Agricultural machinery and equipment       | -    | -    | -    | -    | -     | -     | -     | -     | -      | -      | -      | -      |
| 3823 Metal and wood working machinery           | -    | -    | -    | -    | -     | -     | -     | -     | -      | -      | -      | -      |
| 3824 Other special industrial machinery         | -    | -    | -    | -    | -     | -     | -     | -     | -      | -      | -      | -      |
| 3825 Office, computing and accounting machinery | 2    | 6    | 6    | 6    | 17    | -     | -     | -     | 48     | -      | -      | -      |
| 3829 Other non-electrical machinery & equipment | c/   | -    | -    | -    | c/    | -     | -     | -     | c/     | -      | -      | -      |
| 383 Electrical machinery                        | 64   | 95   | 92   | 92   | 613   | 694   | 645   | 634   | 1664   | 2915   | 2842   | 3194   |
| 3831 Electrical industrial machinery            | 24   | 34   | 33   | 33   | 63    | 92    | 81    | 81    | 140    | 359    | 368    | 420    |
| 3832 Radio, television and communication equipm | 5    | 7    | 7    | 7    | 44    | 20    | 28    | 32    | 141    | 88     | 128    | 163    |
| 3833 Electrical appliances and housewares       | -    | -    | -    | -    | -     | -     | -     | -     | -      | -      | -      | -      |
| 3839 Other electrical apparatus and supplies    | 35   | 54   | 52   | 52   | 506   | 582   | 536   | 521   | 1383   | 2458   | 2346   | 2511   |
| 384 Transport equipment                         | 78   | 76   | 76   | 76   | 365   | 429   | 410   | 374   | 1223   | 2025   | 2102   | 2059   |
| 3841 Shipbuilding and repairing                 | 26   | 24   | 24   | 24   | 127   | 170   | 144   | 137   | 531    | 875    | 822    | 815    |
| 3842 Railroad equipment                         | -    | -    | -    | -    | -     | -     | -     | -     | -      | -      | -      | -      |
| 3843 Motor vehicles                             | 52   | 52   | 52   | 52   | 238   | 259   | 266   | 237   | 692    | 1150   | 1280   | 1243   |
| 3844 Motorcycles and bicycles                   | -    | -    | -    | -    | -     | -     | -     | -     | -      | -      | -      | -      |
| 3845 Aircraft                                   | -    | -    | -    | -    | -     | -     | -     | -     | -      | -      | -      | -      |
| 3849 Other transport equipment                  | -    | -    | -    | -    | -     | -     | -     | -     | -      | -      | -      | -      |
| 385 Professional and scientific equipment       | -    | 3    | 3    | 3    | -     | 6     | 7     | 7     | -      | 20     | 20     | 32     |
| 3851 Prof and scientific equipment n e c        | -    | 2    | 2    | 2    | -     | -     | -     | -     | -      | -      | -      | -      |
| 3852 Photographic and optical goods             | -    | 1    | 1    | 1    | -     | 6     | 7     | 7     | -      | 20     | 20     | 32     |
| 3853 Watches and clocks                         | -    | -    | -    | -    | -     | -     | -     | -     | -      | -      | -      | -      |
| 390 Other manufacturing industries              | 305  | 397  | 396  | 392  | 658   | 1085  | 1039  | 986   | 1591   | 3979   | 4148   | 4031   |
| 3901 Jewellery and related articles             | 215  | 290  | 288  | 285  | 421   | 775   | 757   | 736   | 1076   | 2964   | 3179   | 3073   |
| 3902 Musical instruments                        | -    | -    | -    | -    | -     | -     | -     | -     | -      | -      | -      | -      |
| 3903 Sporting and athletic goods                | -    | -    | -    | -    | -     | -     | -     | -     | -      | -      | -      | -      |
| 3909 Manufacturing industries, n e c            | 90   | 107  | 107  | 107  | 237   | 310   | 272   | 260   | 513    | 1025   | 959    | 958    |
| 3 Total manufacturing                           | 6616 | 7224 | 7189 | 7173 | 38728 | 43317 | 42814 | 43404 | 108181 | 170174 | 181814 | 200173 |

a/ 3131 includes 3132 and 3133  
c/ 3821 includes 3829

b/ 3311 includes 3312

## Cyprus

| ISIC Industry                                    | Note | Output in producers' prices |        |        |        | Note  | Value added in producers' prices |       |       |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-----------------------------|--------|--------|--------|-------|----------------------------------|-------|-------|------|--------------------------------|------|--|------|
|  |      | (thousand POUNDS)           |        |        |        |       | (thousand POUNDS)                |       |       |      | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                        | 1990   | 1991   | 1992   |       | 1985                             | 1990  | 1991  | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                              |      | 116167                      | 154574 | 165307 | 180886 | 29866 | 46160                            | 50859 | 56185 | 26.7 | 31.1                           | 43.0 | 49.8                                       |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 6476                        | 11922  | 12614  | 14443  | 2149  | 5075                             | 5049  | 5883  | 33.2 | 40.7                           | 33.9 | 61.0                                       |      |
| 3112 Dairy products                              |      | 19191                       | 30160  | 34624  | 36648  | 4337  | 7563                             | 8704  | 9656  | 22.9 | 26.3                           | 48.1 | 51.4                                       |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 9798                        | 9420   | 11736  | 11753  | 3016  | 2709                             | 3836  | 3896  | 30.8 | 33.1                           | 49.6 | 51.7                                       |      |
| 3114 Canning, preserving and processing of fish  |      | -                           | -      | -      | -      | -     | -                                | -     | -     | -    | -                              | -    | -  |      |
| 3115 Vegetable and animal oils and fats          |      | 17238                       | 14667  | 13028  | 18464  | 2519  | 1904                             | 1761  | 2892  | 14.6 | 16.7                           | 21.9 | 27.3                                       |      |
| 3116 Grain mill products                         |      | 5778                        | 6989   | 8065   | 8569   | 1153  | 1843                             | 2087  | 2146  | 20.0 | 26.0                           | 62.0 | 60.4                                       |      |
| 3117 Bakery products                             |      | 21148                       | 34808  | 37117  | 40264  | 8747  | 15351                            | 16114 | 17612 | 41.4 | 43.6                           | 47.8 | 62.2                                       |      |
| 3118 Sugar factories and refineries              |      | -                           | -      | -      | -      | -     | -                                | -     | -     | -    | -                              | -    | -  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 6208                        | 8799   | 9442   | 8109   | 1487  | 2765                             | 2837  | 2272  | 24.0 | 28.0                           | 44.0 | 51.2                                       |      |
| 3121 Other food products                         |      | 14740                       | 16990  | 18991  | 21367  | 4340  | 5327                             | 6777  | 8346  | 29.4 | 39.1                           | 39.3 | 47.8                                       |      |
| 3122 Prepared animal feeds                       |      | 15590                       | 20819  | 19690  | 21279  | 2069  | 3643                             | 3604  | 3584  | 13.3 | 16.8                           | 39.6 | 46.9                                       |      |
| 313 Beverages                                    |      | 39431                       | 71070  | 70408  | 79781  | 17596 | 33468                            | 31459 | 38656 | 44.6 | 48.5                           | 42.6 | 34.8                                       |      |
| 3131 Distilling, rectifying and blending spirits | a/   | 26213                       | 42676  | 39246  | 47270  | 11497 | 24618                            | 22909 | 27533 | 43.9 | 58.2                           | 44.4 | 33.2                                       |      |
| 3132 Wine industries                             | a/   | -                           | -      | -      | -      | -     | -                                | -     | -     | -    | -                              | -    | -  |      |
| 3133 Malt liquors and malt                       | a/   | -                           | -      | -      | -      | -     | -                                | -     | -     | -    | -                              | -    | -  |      |
| 3134 Soft drinks and carbonated waters           | a/   | 13218                       | 28396  | 31163  | 32611  | 6099  | 8840                             | 8560  | 11122 | 46.1 | 34.2                           | 39.2 | 38.8                                       |      |
| 314 Tobacco                                      |      | 26068                       | 34097  | 36080  | 48179  | 16016 | 18762                            | 19866 | 27200 | 61.4 | 66.6                           | 10.7 | 11.3                                       |      |
| 321 Textiles                                     |      | 20623                       | 36021  | 39417  | 41727  | 8791  | 14713                            | 16424 | 17396 | 42.6 | 41.7                           | 53.6 | 54.6                                       |      |
| 3211 Spinning, weaving and finishing textiles    |      | 2858                        | 9077   | 8346   | 8792   | 1290  | 3464                             | 3343  | 3689  | 45.1 | 42.0                           | 60.6 | 46.2                                       |      |
| 3212 Made-up textile goods excl wearing apparel  |      | 4315                        | 8232   | 9646   | 9646   | 1588  | 3234                             | 3687  | 3746  | 36.8 | 38.8                           | 46.5 | 53.1                                       |      |
| 3213 Knitting mills                              |      | 13450                       | 18712  | 21526  | 23290  | 5913  | 6016                             | 9394  | 9961  | 44.0 | 42.8                           | 56.2 | 58.7                                       |      |
| 3214 Carpets and rugs                            |      | -                           | -      | -      | -      | -     | -                                | -     | -     | -    | -                              | -    | -  |      |
| 3215 Cordage, rope and twine                     |      | -                           | -      | -      | -      | -     | -                                | -     | -     | -    | -                              | -    | -  |      |
| 3219 Other textiles                              |      | -                           | -      | -      | -      | -     | -                                | -     | -     | -    | -                              | -    | -  |      |
| 322 wearing apparel, except footwear             |      | 85275                       | 142342 | 150964 | 163676 | 32837 | 63867                            | 54608 | 66647 | 38.5 | 36.8                           | 63.7 | 63.2                                       |      |
| 323 Leather and fur products                     |      | 10262                       | 13791  | 11811  | 11959  | 3519  | 4969                             | 4889  | 6059  | 34.3 | 42.3                           | 58.0 | 62.7                                       |      |
| 3231 Tanneries and leather finishing             |      | 2785                        | 2577   | 1470   | 1964   | 607   | 616                              | 346   | 609   | 22.0 | 31.2                           | 41.2 | 41.2                                       |      |
| 3232 Fur dressing and dyeing industries          |      | -                           | -      | -      | -      | -     | -                                | -     | -     | -    | -                              | -    | -  |      |
| 3233 Leather prods. excl wearing apparel         |      | 7497                        | 11214  | 10341  | 10006  | 2912  | 4353                             | 4541  | 4460  | 38.8 | 44.5                           | 61.6 | 66.6                                       |      |
| 324 Footwear, except rubber or plastic           |      | 29706                       | 35596  | 36643  | 32216  | 11610 | 13689                            | 13036 | 13220 | 39.1 | 41.0                           | 62.0 | 62.3                                       |      |
| 331 Wood products, except furniture              |      | 32076                       | 42132  | 46433  | 48686  | 13876 | 17891                            | 20059 | 21267 | 43.3 | 43.8                           | 44.3 | 46.4                                       |      |
| 3311 Sawmills, planing and other wood mills      | b/   | 30570                       | 40271  | 44382  | 45981  | 13228 | 16926                            | 19000 | 19848 | 43.3 | 43.2                           | 46.3 | 46.6                                       |      |
| 3312 wooden and cane containers                  | b/   | -                           | -      | -      | -      | -     | -                                | -     | -     | -    | -                              | -    | -  |      |
| 3319 Other wood and cork products                | b/   | 1506                        | 1861   | 2061   | 2606   | 648   | 966                              | 1059  | 1409  | 43.0 | 64.1                           | 24.2 | 42.7                                       |      |
| 332 Furniture and fixtures, excl metal           |      | 29707                       | 36007  | 37300  | 43008  | 13379 | 16402                            | 17176 | 18936 | 46.0 | 44.0                           | 46.6 | 64.7                                       |      |
| 341 Paper and products                           |      | 16306                       | 29061  | 24970  | 26610  | 4709  | 7711                             | 7792  | 8729  | 28.9 | 34.1                           | 42.3 | 48.4                                       |      |
| 3411 Pulp, paper and paperboard articles         |      | -                           | -      | -      | -      | -     | -                                | -     | -     | -    | -                              | -    | -  |      |
| 3412 Containers of paper and paperboard          |      | 7730                        | 12689  | 8179   | 8781   | 2362  | 3289                             | 3094  | 3629  | 30.6 | 40.2                           | 46.6 | 56.2                                       |      |
| 3419 Other pulp, paper and paperboard articles   |      | 8576                        | 16372  | 16791  | 16829  | 2347  | 4422                             | 4698  | 6200  | 27.4 | 30.9                           | 38.9 | 43.8                                       |      |
| 342 Printing and publishing                      |      | 24460                       | 40013  | 39768  | 44303  | 10819 | 16936                            | 17681 | 20634 | 44.2 | 46.3                           | 63.7 | 62.2                                       |      |
| 351 Industrial chemicals                         |      | 3301                        | 4155   | 3267   | 5336   | 1022  | 1460                             | 1174  | 1624  | 31.0 | 30.4                           | 76.4 | 39.2                                       |      |
| 3511 Basic chemicals excl fertilizers            |      | 499                         | 720    | 889    | 1023   | 274   | 460                              | 531   | 647   | 54.9 | 63.2                           | 62.2 | 37.1                                       |      |
| 3512 Fertilizers and pesticides                  |      | 2802                        | 3436   | 2398   | 4312   | 748   | 1010                             | 643   | 977   | 26.7 | 22.7                           | 84.0 | 40.6                                       |      |
| 3513 Synthetic resins and plastic materials      |      | -                           | -      | -      | -      | -     | -                                | -     | -     | -    | -                              | -    | -  |      |
| 352 Other chemicals                              |      | 25575                       | 46429  | 55337  | 55954  | 7286  | 12674                            | 16107 | 16441 | 28.6 | 29.4                           | 46.2 | 43.0                                       |      |
| 3521 Paints, varnishes and lacquers              |      | 4423                        | 7611   | 8564   | 8562   | 1196  | 2027                             | 2406  | 2694  | 27.0 | 31.6                           | 63.0 | 48.0                                       |      |
| 3522 Drugs and medicines                         |      | 3399                        | 8261   | 12648  | 13561  | 913   | 2069                             | 2666  | 3716  | 26.9 | 27.4                           | 27.9 | 33.4                                       |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 12106                       | 17489  | 21102  | 22847  | 3388  | 4766                             | 6973  | 7149  | 28.0 | 31.3                           | 46.3 | 44.8                                       |      |
| 3529 Other chemical products                     |      | 5647                        | 13078  | 13123  | 10994  | 1788  | 3722                             | 3163  | 2883  | 31.7 | 26.2                           | 48.4 | 46.3                                       |      |
| 353 Petroleum refineries                         |      | 64923                       | 53642  | 59674  | 62907  | 2931  | 3134                             | 3762  | 4177  | 4.6  | 7.9                            | 63.6 | 62.9                                       |      |

|   |        |         |         |         |        |        |        |        |      |      |      |      |   |   |   |   |   |   |   |
|---|--------|---------|---------|---------|--------|--------|--------|--------|------|------|------|------|---|---|---|---|---|---|---|
| 354 Misc petroleum and coal products            | -      | -       | -       | -       | -      | -      | -      | -      | -    | -    | -    | -    | - | - | - | - | - | - | - |
| 355 Rubber products                             | 2868   | 3311    | 2766    | 4038    | 954    | 1368   | 1076   | 1567   | 33 3 | 38 8 | 46 0 | 49 9 |   |   |   |   |   |   |   |
| 3551 Tyres and tubes                            | 1538   | 1866    | 1355    | 1674    | 461    | 708    | 470    | 668    | 30 0 | 39 9 | 50 3 | 48 1 |   |   |   |   |   |   |   |
| 3559 Other rubber products                      | 1330   | 1445    | 1411    | 2364    | 493    | 660    | 606    | 899    | 37 1 | 38 0 | 42 0 | 51 3 |   |   |   |   |   |   |   |
| 356 Plastic products                            | 19195  | 29841   | 33006   | 32131   | 6600   | 11498  | 13429  | 14724  | 34 4 | 44 3 | 62 0 | 46 0 |   |   |   |   |   |   |   |
| 361 Pottery, china, earthenware                 | 771    | 1410    | 1349    | 2075    | 444    | 800    | 783    | 1270   | 57 6 | 61 2 | 40 1 | 44 0 |   |   |   |   |   |   |   |
| 362 Glass and products                          | 129    | 2044    | 2623    | 2157    | 102    | 688    | 868    | 750    | 79 1 | 34 8 | 34 3 | 48 1 |   |   |   |   |   |   |   |
| 369 Other non-metallic mineral products         | 41528  | 75351   | 77571   | 83735   | 14750  | 31641  | 32392  | 34711  | 36 5 | 41 5 | 57 5 | 46 5 |   |   |   |   |   |   |   |
| 3691 Structural clay products                   | 13917  | 21477   | 23641   | 27385   | 6032   | 9780   | 10627  | 11911  | 43 3 | 43 5 | 58 1 | 54 2 |   |   |   |   |   |   |   |
| 3692 Cement, lime and plaster                   | 16459  | 28051   | 27271   | 28770   | 4806   | 13476  | 13218  | 14084  | 29 2 | 49 0 | 58 9 | 40 2 |   |   |   |   |   |   |   |
| 3699 Other non-metallic mineral products        | 11152  | 25823   | 26659   | 27580   | 3912   | 8385   | 8547   | 8716   | 35 1 | 31 6 | 54 9 | 48 1 |   |   |   |   |   |   |   |
| 371 Iron and steel                              | -      | -       | -       | -       | -      | -      | -      | -      | -    | -    | -    | -    |   |   |   |   |   |   |   |
| 372 Non-ferrous metals                          | -      | -       | -       | -       | -      | -      | -      | -      | -    | -    | -    | -    |   |   |   |   |   |   |   |
| 381 Fabricated metal products                   | 45582  | 72498   | 79592   | 76984   | 15803  | 25092  | 27873  | 27123  | 34 7 | 35 2 | 47 2 | 60 0 |   |   |   |   |   |   |   |
| 3811 Cutlery, hand tools and general hardware   | 1779   | 4272    | 4175    | 2726    | 784    | 1345   | 1366   | 1114   | 44 1 | 40 9 | 35 8 | 45 5 |   |   |   |   |   |   |   |
| 3812 Furniture and fixtures primarily of metal  | 5035   | 7036    | 7856    | 10656   | 1972   | 2967   | 3375   | 4438   | 39 2 | 41 6 | 55 4 | 56 6 |   |   |   |   |   |   |   |
| 3813 Structural metal products                  | 23158  | 39618   | 42813   | 41972   | 8502   | 13337  | 15184  | 14382  | 35 7 | 34 3 | 45 3 | 47 6 |   |   |   |   |   |   |   |
| 3819 Other fabricated metal products            | 15500  | 21572   | 24748   | 21630   | 4545   | 7443   | 7949   | 7189   | 29 1 | 33 2 | 49 3 | 51 3 |   |   |   |   |   |   |   |
| 382 Non-electrical machinery                    | 17173  | 26251   | 28172   | 27489   | 7427   | 10910  | 12034  | 12497  | 43 2 | 45 5 | 56 8 | 56 6 |   |   |   |   |   |   |   |
| 3821 Engines and turbines                       | 17068  | 26251   | 28172   | 27489   | 7358   | 10910  | 12034  | 12497  | 43 1 | 45 5 | 56 7 | 56 6 |   |   |   |   |   |   |   |
| 3822 Agricultural machinery and equipment       | -      | -       | -       | -       | -      | -      | -      | -      | -    | -    | -    | -    |   |   |   |   |   |   |   |
| 3823 Metal and wood working machinery           | -      | -       | -       | -       | -      | -      | -      | -      | -    | -    | -    | -    |   |   |   |   |   |   |   |
| 3824 Other special industrial machinery         | -      | -       | -       | -       | -      | -      | -      | -      | -    | -    | -    | -    |   |   |   |   |   |   |   |
| 3825 Office, computing and accounting machinery | 105    | -       | -       | -       | 69     | -      | -      | -      | 65 7 | -    | 69 6 | -    |   |   |   |   |   |   |   |
| 3829 Other non-electrical machinery & equipment | -      | -       | -       | -       | -      | -      | -      | -      | -    | -    | -    | -    |   |   |   |   |   |   |   |
| 383 Electrical machinery                        | 13724  | 15044   | 14201   | 17476   | 3797   | 5395   | 5111   | 5950   | 27 7 | 34 0 | 43 8 | 53 7 |   |   |   |   |   |   |   |
| 3831 Electrical industrial machinery            | 1728   | 1307    | 1318    | 1473    | 298    | 530    | 703    | 672    | 17 2 | 45 6 | 47 0 | 62 5 |   |   |   |   |   |   |   |
| 3832 Radio, television and communication equipm | 2043   | 195     | 269     | 303     | 360    | 69     | 102    | 178    | 17 6 | 58 7 | 39 2 | 91 6 |   |   |   |   |   |   |   |
| 3833 Electrical appliances and housewares       | -      | -       | -       | -       | -      | -      | -      | -      | -    | -    | -    | -    |   |   |   |   |   |   |   |
| 3839 Other electrical apparatus and supplies    | 9953   | 13542   | 12614   | 15700   | 3139   | 4595   | 4306   | 5100   | 31 5 | 32 5 | 44 1 | 51 2 |   |   |   |   |   |   |   |
| 384 Transport equipment                         | 4884   | 8817    | 8777    | 9459    | 2217   | 4025   | 4143   | 3842   | 45 4 | 40 5 | 55 2 | 53 5 |   |   |   |   |   |   |   |
| 3841 Shipbuilding and repairing                 | 1567   | 2452    | 2706    | 3297    | 840    | 1448   | 1470   | 1426   | 50 4 | 43 3 | 63 2 | 57 2 |   |   |   |   |   |   |   |
| 3842 Railroad equipment                         | -      | -       | -       | -       | -      | -      | -      | -      | -    | -    | -    | -    |   |   |   |   |   |   |   |
| 3843 Motor vehicles                             | 3217   | 6365    | 6071    | 6162    | 1377   | 2578   | 2673   | 2416   | 42 8 | 39 2 | 50 3 | 51 4 |   |   |   |   |   |   |   |
| 3844 Motorcycles and bicycles                   | -      | -       | -       | -       | -      | -      | -      | -      | -    | -    | -    | -    |   |   |   |   |   |   |   |
| 3845 Aircraft                                   | -      | -       | -       | -       | -      | -      | -      | -      | -    | -    | -    | -    |   |   |   |   |   |   |   |
| 3849 Other transport equipment                  | -      | -       | -       | -       | -      | -      | -      | -      | -    | -    | -    | -    |   |   |   |   |   |   |   |
| 385 Professional and scientific equipment       | -      | 237     | 311     | 390     | -      | 64     | 60     | 93     | -    | 23 8 | -    | 34 4 |   |   |   |   |   |   |   |
| 3851 Prof and scientific equipment n e c        | -      | -       | -       | -       | -      | -      | -      | -      | -    | -    | -    | -    |   |   |   |   |   |   |   |
| 3852 Photographic and optical goods             | -      | 237     | 311     | 390     | -      | 64     | 60     | 93     | -    | 23 8 | -    | 34 4 |   |   |   |   |   |   |   |
| 3853 Watches and clocks                         | -      | -       | -       | -       | -      | -      | -      | -      | -    | -    | -    | -    |   |   |   |   |   |   |   |
| 390 Other manufacturing industries              | 14490  | 29949   | 32619   | 27746   | 4269   | 8825   | 8866   | 8079   | 29 5 | 29 1 | 37 3 | 49 9 |   |   |   |   |   |   |   |
| 3901 Jewellery and related articles             | 11511  | 24473   | 27205   | 22251   | 3050   | 6688   | 6842   | 6071   | 26 5 | 27 3 | 35 3 | 50 6 |   |   |   |   |   |   |   |
| 3902 Musical instruments                        | -      | -       | -       | -       | -      | -      | -      | -      | -    | -    | -    | -    |   |   |   |   |   |   |   |
| 3903 Sporting and athletic goods                | -      | -       | -       | -       | -      | -      | -      | -      | -    | -    | -    | -    |   |   |   |   |   |   |   |
| 3909 Manufacturing industries, n e c            | 2979   | 5476    | 5414    | 5495    | 1219   | 2137   | 2024   | 2008   | 40 9 | 36 5 | 42 1 | 47 7 |   |   |   |   |   |   |   |
| 3 Total manufacturing                           | 684224 | 1003692 | 1058366 | 1107707 | 230618 | 361893 | 380415 | 416064 | 33 7 | 37 5 | 46 9 | 48 1 |   |   |   |   |   |   |   |

a/ 3131 includes 3132 and 3133  
c/ 3821 includes 3829

b/ 3311 includes 3312

## Cyprus

## Gross fixed capital formation

(thousand POUNDS)

| ISIC Industry                             | Note | Gross fixed capital formation |       |       |       |
|---|------|-------------------------------|-------|-------|-------|
|   |      | 1985                          | 1990  | 1991  | 1992  |
| 311/2 Food Products                       |      | 5854                          | 7870  | 8165  | 8356  |
| 313 Beverages                             |      | 3604                          | 4161  | 5520  | 8400  |
| 314 Tobacco                               |      | 341                           | 240   | 202   | 122   |
| 321 Textiles                              |      | 1378                          | 3479  | 3925  | 2767  |
| 322 Wearing apparel, except footwear      |      | 3156                          | 4143  | 3041  | 2342  |
| 323 Leather and fur products              |      | 265                           | 530   | 366   | 424   |
| 324 Footwear, except rubber or plastic    |      | 1263                          | 806   | 748   | 987   |
| 331 Wood products, except furniture       |      | 1148                          | 1173  | 2573  | 2168  |
| 332 Furniture and fixtures, excl metal    |      | 1450                          | 1804  | 1143  | 1750  |
| 341 Paper and products                    |      | 485                           | 2340  | 2137  | 1279  |
| 342 Printing and publishing               |      | 793                           | 3502  | 4163  | 2929  |
| 351 Industrial chemicals                  |      | 160                           | 672   | 368   | 740   |
| 352 Other chemicals                       |      | 1081                          | 3433  | 2717  | 2817  |
| 353 Petroleum refineries                  |      | 1149                          | 176   | 146   | 194   |
| 354 Misc petroleum and coal products      |      | -                             | -     | -     | -     |
| 355 Rubber products                       |      | 298                           | 282   | 65    | 396   |
| 356 Plastic products                      |      | 2153                          | 2778  | 3593  | 2725  |
| 361 Pottery, china, earthenware           |      | 133                           | 129   | 13    | 2143  |
| 362 Glass and products                    |      | -                             | 339   | 142   | 100   |
| 369 Other non-metallic mineral products   |      | 2583                          | 5191  | 5207  | 6564  |
| 371 Iron and steel                        |      | -                             | -     | -     | -     |
| 372 Non-ferrous metals                    |      | -                             | -     | -     | -     |
| 381 Fabricated metal products             |      | 4117                          | 3639  | 3998  | 3619  |
| 382 Non-electrical machinery              |      | 1274                          | 1808  | 1239  | 1296  |
| 383 Electrical machinery                  |      | 535                           | 411   | 767   | 671   |
| 384 Transport equipment                   |      | 434                           | 188   | 288   | 725   |
| 385 Professional and scientific equipment |      | -                             | -     | 9     | 7     |
| 390 Other manufacturing industries        |      | 500                           | 1231  | 762   | 972   |
| 3 Total manufacturing                     |      | 34157                         | 50302 | 51285 | 54493 |

## Index numbers of industrial production

(1980=100)

| ISIC Industry                             | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |  |
|---|------|--|------|------|------|------|------|------|------|------|--|
|   |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |  |
| 311/2 Food Products                       |      | 135                                    | 140  | 144  | 165  | 162  | 170  | 174  | 170  | 181  |  |
| 313 Beverages                             |      | 125                                    | 119  | 116  | 109  | 116  | 139  | 169  | 161  | 166  |  |
| 314 Tobacco                               |      | 93                                     | 85   | 68   | 134  | 158  | 166  | 172  | 204  | 229  |  |
| 321 Textiles                              |      | 101                                    | 95   | 94   | 102  | 124  | 113  | 126  | 118  | 136  |  |
| 322 Wearing apparel, except footwear      |      | 126                                    | 103  | 110  | 136  | 128  | 112  | 121  | 116  | 101  |  |
| 323 Leather and fur products              |      | 132                                    | 162  | 189  | 179  | 193  | 211  | 213  | 178  | 204  |  |
| 324 Footwear, except rubber or plastic    |      | 128                                    | 127  | 124  | 131  | 132  | 131  | 111  | 111  | 96   |  |
| 331 Wood products, except furniture       |      | 126                                    | 131  | 124  | 112  | 126  | 121  | 112  | 131  | 136  |  |
| 332 Furniture and fixtures, excl metal    |      | 143                                    | 145  | 161  | 182  | 173  | 219  | 248  | 223  | 226  |  |
| 341 Paper and products                    |      | 94                                     | 90   | 79   | 86   | 109  | 109  | 120  | 110  | 102  |  |
| 342 Printing and publishing               |      | 138                                    | 131  | 102  | 108  | 116  | 132  | 144  | 126  | 162  |  |
| 351 Industrial chemicals                  |      | 91                                     | 101  | 115  | 163  | 436  | 386  | 187  | 183  | 262  |  |
| 352 Other chemicals                       |      | 134                                    | 150  | 166  | 167  | 168  | 196  | 218  | 206  | 216  |  |
| 353 Petroleum refineries                  |      | -                                      | -    | -    | -    | -    | -    | -    | -    | -    |  |
| 354 Misc petroleum and coal products      |      | -                                      | -    | -    | -    | -    | -    | -    | -    | -    |  |
| 355 Rubber products                       |      | 105                                    | 101  | 90   | 89   | 97   | 113  | 112  | 106  | 130  |  |
| 356 Plastic products                      |      | -                                      | -    | -    | -    | -    | -    | -    | -    | -    |  |
| 361 Pottery, china, earthenware           |      | 101                                    | 139  | 119  | 140  | 133  | 119  | 171  | 123  | 120  |  |
| 362 Glass and products                    |      | -                                      | -    | -    | -    | -    | -    | -    | -    | -    |  |
| 369 Other non-metallic mineral products   |      | 84                                     | 77   | 92   | 87   | 91   | 103  | 112  | 110  | 113  |  |
| 371 Iron and steel                        |      | -                                      | -    | -    | -    | -    | -    | -    | -    | -    |  |
| 372 Non-ferrous metals                    |      | -                                      | -    | -    | -    | -    | -    | -    | -    | -    |  |
| 381 Fabricated metal products             |      | 103                                    | 104  | 96   | 119  | 123  | 126  | 126  | 127  | 123  |  |
| 382 Non-electrical machinery              |      | 140                                    | 173  | 169  | 177  | 223  | 187  | 194  | 197  | 230  |  |
| 383 Electrical machinery                  |      | 170                                    | 181  | 149  | 121  | 143  | 178  | 166  | 173  | 218  |  |
| 384 Transport equipment                   |      | 159                                    | 142  | 124  | 168  | 169  | 114  | 100  | 123  | 122  |  |
| 385 Professional and scientific equipment |      | -                                      | -    | -    | -    | -    | -    | -    | -    | -    |  |
| 390 Other manufacturing industries        |      | 146                                    | 166  | 166  | 161  | 146  | 163  | 164  | 164  | 187  |  |
| 3 Total manufacturing                     |      | 120                                    | 117  | 117  | 128  | 137  | 140  | 146  | 142  | 146  |  |

## CZECH REPUBLIC

**Supplier of information:**

Czech Statistical Office, Prague.

**Basic source of data:**

Not reported.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

Data are not fully comparable from year to year owing to organizational changes. Data for 1990 cover state enterprises, excluding local municipal enterprises and producer co-operatives. Data for 1991 cover enterprises with over 100 workers. Data for 1992 cover enterprises with 25 or more workers.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

No deviations from the standard UN concepts and definitions are reported.

**Related national publications:**

## Czech Republic

|   | Number of enterprises<br>(numbers) |      |      | Number of employees<br>(thousands) |      |      | Wages and salaries paid<br>to employees<br>(million KURUNAS) |       |       |       |
|---|------------------------------------|------|------|------------------------------------|------|------|--|-------|-------|-------|
|   | Note                               | 1985 | 1990 | 1991                               | 1992 | Note | 1985   | 1990  | 1991  | 1992  |
| ISIC Industry                             |                                    |      |      |                                    |      |      |  |       |       |       |
| 311/2 Food products                       |                                    |      | 173  | 277                                | 94   |      |  | 4380  | 4490  | 5110  |
| 313 Beverages                             |                                    |      | 41   | 63                                 | 22   |      |  | 950   | 1150  | 1310  |
| 314 Tobacco                               |                                    |      | 1    | 1                                  | 2    |      |  | 80    | 120   | 160   |
| 321 Textiles                              |                                    |      | 89   | 144                                | 108  |      |  | 4890  | 4810  | 4750  |
| 322 Wearing apparel, except footwear      |                                    |      | 20   | 83                                 | 32   |      |  | 1160  | 1090  | 1360  |
| 323 Leather and fur products              |                                    |      | 13   | 34                                 | 14   |      |  | 440   | 530   | 660   |
| 324 Footwear, except rubber or plastic    |                                    |      | 4    | 32                                 | 28   |      |  | 1440  | 1180  | 1410  |
| 331 Wood products, except furniture       |                                    |      | 32   | 103                                | 30   |      |  | 1160  | 1160  | 1470  |
| 332 Furniture and fixtures, excl. metal   |                                    |      | 16   | 93                                 | 18   |      |  | 680   | 790   | 1260  |
| 341 Paper and products                    |                                    |      | 17   | 44                                 | 23   |      |  | 980   | 1120  | 1370  |
| 342 Printing and publishing               |                                    |      | 34   | 75                                 | 16   |      |  | 680   | 720   | 1040  |
| 351 Industrial chemicals                  |                                    |      | 25   | 25                                 | 42   |      |  | 2080  | 2150  | 2150  |
| 352 Other chemicals                       |                                    |      | 16   | 37                                 | 12   |      |  | 570   | 590   | 800   |
| 353 Petroleum refineries                  |                                    |      | 5    | 4                                  | 16   |      |  | 850   | 960   | 1020  |
| 354 Misc. petroleum and coal products     |                                    |      | 5    | -                                  | 14   |      |  | 780   | 870   | -     |
| 355 Rubber products                       |                                    |      | 10   | 14                                 | 16   |      |  | 700   | 760   | 730   |
| 356 Plastic products                      |                                    |      | 17   | 60                                 | 7    |      |  | 270   | 320   | 870   |
| 361 Pottery, china, earthenware           |                                    |      | 7    | 19                                 | 8    |      |  | 340   | 360   | 520   |
| 362 Glass and products                    |                                    |      | 41   | 49                                 | 63   |      |  | 2250  | 2460  | 2680  |
| 369 Other non-metallic mineral products   |                                    |      | 65   | 110                                | 37   |      |  | 1860  | 1760  | 2180  |
| 371 Iron and steel                        |                                    |      | 18   | 37                                 | 113  |      |  | 6140  | 6630  | 7710  |
| 372 Non-ferrous metals                    |                                    |      | 18   | 17                                 | 8    |      |  | 590   | 610   | 510   |
| 381 Fabricated metal products             |                                    |      | 75   | 186                                | 62   |      |  | 2530  | 2730  | 4660  |
| 382 Non-electrical machinery              |                                    |      | 213  | 338                                | 318  |      |  | 14660 | 16410 | 11610 |
| 383 Electrical machinery                  |                                    |      | 85   | 128                                | 99   |      |  | 4640  | 4260  | 4340  |
| 384 Transport equipment                   |                                    |      | 76   | 141                                | 139  |      |  | 6610  | 6380  | 8140  |
| 385 Professional and scientific equipment |                                    |      | 21   | 53                                 | 17   |      |  | 670   | 700   | 1330  |
| 390 Other manufacturing industries        |                                    |      | 40   | 100                                | 23   |      |  | 920   | 1020  | 1460  |
| 3 Total manufacturing                     |                                    |      | 1177 | 2257                               | 1391 |      |  | 62920 | 64800 | 70610 |

## Czech Republic

| ISIC Industry                             | Note | Output            |        |        |        | Note | Value added       |      |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-------------------|--------|--------|--------|------|-------------------|------|------|------|--------------------------------|------|--|------|
|   |      | (million KORUNAS) |        |        |        |      | (million KORUNAS) |      |      |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985              | 1990   | 1991   | 1992   |      | 1985              | 1990 | 1991 | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       |      | 66490             | 84150  | 80030  | 73760  |      |                   |      |      |      |                                |      |  |      |
| 313 Beverages                             |      | 7280              | 9890   | 13650  | 13600  |      |                   |      |      |      |                                |      |  |      |
| 314 Tobacco                               |      | 1070              | 1450   | 1790   | 2990   |      |                   |      |      |      |                                |      |  |      |
| 321 Textiles                              |      | 30060             | 32090  | 22350  | 20800  |      |                   |      |      |      |                                |      |  |      |
| 322 wearing apparel, except footwear      |      | 6970              | 6420   | 3540   | 3710   |      |                   |      |      |      |                                |      |  |      |
| 323 leather and fur products              |      | 2570              | 3250   | 3320   | 2880   |      |                   |      |      |      |                                |      |  |      |
| 324 Footwear, except rubber or plastic    |      | 7260              | 7610   | 4670   | 4600   |      |                   |      |      |      |                                |      |  |      |
| 331 Wood products, except furniture       |      | 9560              | 9170   | 7480   | 6400   |      |                   |      |      |      |                                |      |  |      |
| 332 Furniture and fixtures, excl metal    |      | 4550              | 4170   | 3740   | 4950   |      |                   |      |      |      |                                |      |  |      |
| 341 Paper and products                    |      | 9650              | 11910  | 10000  | 10140  |      |                   |      |      |      |                                |      |  |      |
| 342 Printing and publishing               |      | 3580              | 4330   | 2860   | 3180   |      |                   |      |      |      |                                |      |  |      |
| 351 Industrial chemicals                  |      | 32480             | 35570  | 16400  | 15060  |      |                   |      |      |      |                                |      |  |      |
| 352 Other chemicals                       |      | 5320              | 8370   | 5100   | 5530   |      |                   |      |      |      |                                |      |  |      |
| 353 Petroleum refineries                  |      | 11990             | 20760  | 21450  | 19600  |      |                   |      |      |      |                                |      |  |      |
| 354 Misc petroleum and coal products      |      | 3390              | 7010   | 3700   | -      |      |                   |      |      |      |                                |      |  |      |
| 355 Rubber products                       |      | 5580              | 6460   | 3770   | 3050   |      |                   |      |      |      |                                |      |  |      |
| 356 Plastic products                      |      | 1840              | 2010   | 1590   | 3990   |      |                   |      |      |      |                                |      |  |      |
| 361 Pottery, china, earthenware           |      | 990               | 1320   | 790    | 1120   |      |                   |      |      |      |                                |      |  |      |
| 362 Glass and products                    |      | 7890              | 9810   | 7520   | 8140   |      |                   |      |      |      |                                |      |  |      |
| 369 Other non-metallic mineral products   |      | 14060             | 13920  | 9440   | 9000   |      |                   |      |      |      |                                |      |  |      |
| 371 Iron and steel                        |      | 48790             | 56860  | 44910  | 37800  |      |                   |      |      |      |                                |      |  |      |
| 372 Non-ferrous metals                    |      | 10710             | 13700  | 7780   | 4490   |      |                   |      |      |      |                                |      |  |      |
| 381 Fabricated metal products             |      | 13410             | 17840  | 12140  | 16700  |      |                   |      |      |      |                                |      |  |      |
| 382 Non-electrical machinery              |      | 82500             | 90900  | 54710  | 31360  |      |                   |      |      |      |                                |      |  |      |
| 383 Electrical machinery                  |      | 25270             | 34300  | 17240  | 12890  |      |                   |      |      |      |                                |      |  |      |
| 384 Transport equipment                   |      | 56320             | 56380  | 38960  | 33160  |      |                   |      |      |      |                                |      |  |      |
| 385 Professional and scientific equipment |      | 2040              | 3460   | 2100   | 2900   |      |                   |      |      |      |                                |      |  |      |
| 390 Other manufacturing industries        |      | 20750             | 9490   | 7600   | 8970   |      |                   |      |      |      |                                |      |  |      |
| 3 Total manufacturing                     |      | 492340            | 572570 | 408630 | 360570 |      |                   |      |      |      |                                |      |  |      |

## Czech Republic

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|------|------|--|------|------|------|------|------|------|------|
|   |      | (million KORUNAS)             |      |      |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990 | 1991 | 1992 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 313 Beverages                             |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 314 Tobacco                               |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 321 Textiles                              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 322 Wearing apparel, except footwear      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 323 Leather and fur products              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 332 Furniture and fixtures, excl metal    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 342 Printing and publishing               |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 352 Other chemicals                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 354 Misc petroleum and coal products      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 356 Plastic products                      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 362 Glass and products                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 382 Non-electrical machinery              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 384 Transport equipment                   |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 385 Professional and scientific equipment |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |



## DENMARK

### Supplier of information:

Danmarks Statistik, Copenhagen.

Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

### Basic source of data:

Surveys based partly on the establishment as a local unit (employment, wages and salaries, gross fixed capital formation) and partly on kind-of-activity units (output, value added).

### Major deviations from current version of ISIC:

None reported.

### Reference period (if not calendar year):

### Scope:

Surveys covering units with more than nineteen persons engaged are conducted every year for output, value added and gross fixed capital formation. These are supplemented by surveys every five years covering units with 1 to 19 employed in the enterprise.

Through 1989, the annual survey for employment and wages and salaries covered all units with six or more persons in the enterprise. Beginning 1990, the figures for number of establishments, employment and wages and salaries are derived from the register-based statistics of establishments and employment. All establishments with any employment in manufacturing are covered.

The index numbers of industrial production cover, in principle, manufacturing enterprises with 6 or more operatives.

### Method of enumeration:

Not reported.

### Adjusted for non-response:

Not reported.

### Concepts and definitions of variables:

Number of employees (through 1989) refers to the average of the numbers at the end of March, June, September and November. Part-time employees working a minimum of 15 hours per week and apprentices are included. Beginning 1990, it refers to all full-time and part-time employees and all self-employed at end November.

Before 1990, wages and salaries includes regular and overtime cash payments, bonuses, cost-of-living allowances, vacation and sick leave pay and wages paid to homeworkers. Beginning 1990, the figures include all outlays of these kinds reported to the tax authorities by establishments operating during the year. This means that outlays even in establishments which are not in activity at end November are included in the figures.

Output is given as gross output in factor values. It includes the value of all products, net change of work in progress, work done on own account, services rendered, goods shipped in the same condition as received, electricity sold, fixed assets produced for own use, net changes in stocks of finished goods, goods made by homeworkers and handicraft workers and other elements of turnover.

Value added is calculated as the value of gross output less the cost of materials, fuels and other supplies, contract and commission work done by others, goods shipped in the same condition as received and electricity purchased. Input estimates are on a consumed basis.

Gross fixed capital formation is given as the value of purchases of fixed assets, including own-account construction of assets, less the value of sales of fixed assets. Fixed assets are those with a productive life of more than three years, including assets made by a unit's labour force for its own use, additions, alterations and improvements to existing assets, new and used assets. Valuation is a full cost incurred, including the delivered price and the installation cost. For assets produced by the unit, the cost of work put in progress is used. The actual amount realized is taken when deducting sales and used assets.

### Related national publications:

Industrial Statistics; Statistical News, both published by Danmarks Statistik, Copenhagen.

## Denmark

| ISIC Industry                                    | Note | Number of establishments<br>(numbers) |      |      |      | Note | Number of employees<br>(numbers) |       |       |       | Note | Wages and salaries paid<br>to employees<br>(million KRONER) |       |       |      |
|--|------|---------------------------------------|------|------|------|------|----------------------------------|-------|-------|-------|------|---|-------|-------|------|
|  |      | 1985                                  | 1990 | 1991 | 1992 |      | 1985                             | 1990  | 1991  | 1992  |      | 1985  | 1990  | 1991  | 1992 |
| 311/2 Food Products                              |      | 314                                   | 2906 | 2851 | 2772 |      | 66343                            | 87371 | 85551 | 83181 |      | 9724  | 13889 | 14210 |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 184                                   | 320  | 344  | 327  |      | 25950                            | 24806 | 24446 | 24115 |      |   |       |       |      |
| 3112 Dairy products                              |      | 208                                   | 227  | 198  | 200  |      | 9858                             | 11730 | 11919 | 12067 |      |   |       |       |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 46                                    | 58   | 54   | 57   |      | 2822                             | 2766  | 2858  | 2585  |      |   |       |       |      |
| 3114 Canning, preserving and processing of fish  |      | 106                                   | 203  | 195  | 201  |      | 9132                             | 9874  | 8796  | 8633  |      |   |       |       |      |
| 3115 Vegetable and animal oils and fats          |      | 39                                    | 66   | 66   | 60   |      | 3419                             | 3477  | 3486  | 2934  |      |   |       |       |      |
| 3116 Grain mill products                         |      | 14                                    | 33   | 25   | 25   |      | 1256                             | 1162  | 987   | 977   |      |   |       |       |      |
| 3117 Bakery products                             |      | 71                                    | 1744 | 1721 | 1648 |      | 4296                             | 21178 | 21003 | 20608 |      |   |       |       |      |
| 3118 Sugar factories and refineries              |      | 7                                     | 13   | 13   | 11   |      | 2373                             | 2228  | 2185  | 1796  |      |   |       |       |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 31                                    | 50   | 53   | 52   |      | 3923                             | 4858  | 4852  | 4178  |      |   |       |       |      |
| 3121 Other food products                         |      | 58                                    | 124  | 117  | 124  |      | 2241                             | 3693  | 3882  | 4313  |      |   |       |       |      |
| 3122 Prepared animal feeds                       |      | 50                                    | 68   | 64   | 67   |      | 1074                             | 1603  | 1128  | 976   |      |   |       |       |      |
| 313 Beverages                                    |      | 48                                    | 67   | 61   | 62   |      | 9822                             | 7015  | 6932  | 6832  |      | 1647  | 1555  | 1571  |      |
| 3131 Distilling, rectifying and blending spirits |      | 6                                     | 5    | 7    | 8    |      | 752                              | 599   | 603   | 474   |      |   |       |       |      |
| 3132 Wine industries                             |      |                                       |      |      |      |      |                                  |       |       |       |      |   |       |       |      |
| 3133 Malt liquors and malt                       |      | 28                                    | 30   | 25   | 26   |      | 8316                             | 5447  | 5350  | 5191  |      |   |       |       |      |
| 3134 Soft drinks and carbonated waters           |      | 14                                    | 32   | 29   | 28   |      | 754                              | 969   | 979   | 1167  |      |   |       |       |      |
| 314 Tobacco                                      |      | 15                                    | 17   | 18   | 17   |      | 2200                             | 2047  | 1763  | 1691  |      | 300   | 382   | 336   |      |
| 321 Textiles                                     |      | 380                                   | 1030 | 1103 | 1052 |      | 15362                            | 16253 | 16058 | 15289 |      | 2028  | 2421  | 2385  |      |
| 3211 Spinning, weaving and finishing textiles    |      | 71                                    | 179  | 200  | 183  |      | 5012                             | 4453  | 4363  | 3797  |      |   |       |       |      |
| 3212 Made-up textile goods excl wearing apparel  |      | 90                                    | 438  | 482  | 461  |      | 2424                             | 3709  | 3724  | 3723  |      |   |       |       |      |
| 3213 Knitting mills                              |      | 167                                   | 269  | 281  | 248  |      | 5673                             | 6522  | 6511  | 5537  |      |   |       |       |      |
| 3214 Carpets and rugs                            |      | 20                                    | 29   | 31   | 34   |      | 1179                             | 1269  | 1151  | 1069  |      |   |       |       |      |
| 3215 Cordage, rope and twine                     |      | 24                                    | 83   | 92   | 86   |      | 759                              | 823   | 841   | 693   |      |   |       |       |      |
| 3219 Other textiles                              |      | 8                                     | 32   | 37   | 40   |      | 315                              | 477   | 458   | 480   |      |   |       |       |      |
| 322 Wearing apparel, except footwear             |      | 312                                   | 1354 | 1491 | 1440 |      | 12200                            | 11576 | 10373 | 9667  |      | 1314  | 1307  | 1247  |      |
| 323 Leather and fur products                     |      | 29                                    | 160  | 166  | 160  |      | 971                              | 998   | 972   | 930   |      | 124   | 116   | 103   |      |
| 3231 Tanneries and leather finishing             |      | 6                                     | 5    | 5    | 6    |      | 345                              | 234   | 291   | 285   |      |   |       |       |      |
| 3232 Fur dressing and dyeing industries          |      |                                       | 43   | 44   | 39   |      |                                  | 191   | 178   | 185   |      |   |       |       |      |
| 3233 Leather prods excl wearing apparel          |      | 23                                    | 112  | 117  | 115  |      | 626                              | 573   | 503   | 459   |      |   |       |       |      |
| 324 Footwear, except rubber or plastic           |      | 32                                    | 122  | 120  | 110  |      | 2000                             | 1662  | 1597  | 1533  |      | 250   | 252   | 253   |      |
| 331 Wood products, except furniture              |      | 310                                   | 1035 | 1049 | 1019 |      | 10162                            | 14328 | 14104 | 13988 |      | 1405  | 2163  | 2243  |      |
| 3311 Sawmills, planing and other wood mills      |      | 216                                   | 504  | 495  | 483  |      | 8213                             | 11085 | 11098 | 11078 |      |   |       |       |      |
| 3312 Wooden and cane containers                  |      | 31                                    | 104  | 112  | 110  |      | 659                              | 863   | 878   | 799   |      |   |       |       |      |
| 3319 Other wood and cork products                |      | 63                                    | 427  | 442  | 426  |      | 1290                             | 2380  | 2128  | 2113  |      |   |       |       |      |
| 332 Furniture and fixtures, excl metal           |      | 461                                   | 1608 | 1644 | 1606 |      | 15500                            | 20193 | 20544 | 19956 |      | 1984  | 2981  | 2856  |      |
| 341 Paper and products                           |      | 116                                   | 228  | 244  | 246  |      | 9184                             | 10963 | 11012 | 10272 |      | 1487  | 2169  | 2330  |      |
| 3411 Pulp, paper and paperboard articles         |      | 11                                    | 12   | 15   | 14   |      | 2045                             | 2051  | 1975  | 1467  |      |   |       |       |      |
| 3412 Containers of paper and paperboard          |      | 67                                    | 122  | 125  | 125  |      | 5702                             | 7050  | 7102  | 6844  |      |   |       |       |      |
| 3419 Other pulp, paper and paperboard articles   |      | 38                                    | 94   | 104  | 107  |      | 1437                             | 1862  | 1936  | 1951  |      |   |       |       |      |
| 342 Printing and publishing                      |      | 726                                   | 3655 | 3689 | 3616 |      | 25400                            | 55284 | 52944 | 51746 |      | 4837  | 8286  | 8227  |      |
| 351 Industrial chemicals                         |      | 129                                   | 206  | 219  | 221  |      | 11860                            | 10601 | 10605 | 13159 |      | 2036  | 2252  | 2321  |      |
| 3511 Basic chemicals excl fertilizers            |      | 34                                    | 54   | 52   | 56   |      | 5431                             | 4646  | 4553  | 7176  |      |   |       |       |      |
| 3512 Fertilizers and pesticides                  |      | 9                                     | 19   | 21   | 23   |      | 1335                             | 1019  | 1164  | 1129  |      |   |       |       |      |
| 3513 Synthetic resins and plastic materials      |      | 86                                    | 133  | 146  | 142  |      | 5094                             | 4936  | 4878  | 4854  |      |   |       |       |      |
| 352 Other chemicals                              |      | 170                                   | 393  | 423  | 445  |      | 13427                            | 17616 | 17813 | 16138 |      | 2313  | 3867  | 3980  |      |
| 3521 Paints, varnishes and lacquers              |      | 37                                    | 67   | 76   | 71   |      | 2832                             | 2167  | 2337  | 2320  |      |   |       |       |      |
| 3522 Drugs and medicines                         |      | 43                                    | 83   | 88   | 91   |      | 7143                             | 11221 | 11278 | 9465  |      |   |       |       |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 40                                    | 89   | 90   | 95   |      | 2328                             | 2527  | 2387  | 2432  |      |   |       |       |      |
| 3529 Other chemical products                     |      | 50                                    | 154  | 169  | 188  |      | 1124                             | 1701  | 1811  | 1921  |      |   |       |       |      |
| 353 Petroleum refineries                         |      | 3                                     | 3    | 3    | 4    |      | 600                              | 621   | 630   | 674   |      | 125   | 172   | 183   |      |

|   |      |        |        |        |        |         |         |         |       |       |       |
|---|------|--------|--------|--------|--------|---------|---------|---------|-------|-------|-------|
| 354 Misc petroleum and coal products            | 70   | 91     | 94     | 100    | 1500   | 1827    | 2491    | 2685    | 208   | 602   | 636   |
| 355 Rubber products                             | 48   | 133    | 140    | 130    | 2535   | 2909    | 2841    | 2854    | 367   | 491   | 603   |
| 3551 Tyres and tubes                            | 23   | 90     | 90     | 79     | 545    | 600     | 602     | 446     |       |       |       |
| 3559 Other rubber products                      | 25   | 43     | 50     | 51     | 1990   | 2309    | 2239    | 2208    |       |       |       |
| 356 Plastic products                            | 244  | 506    | 517    | 517    | 9600   | 12749   | 14112   | 14360   | 1425  | 2120  | 2482  |
| 361 Pottery, china, earthenware                 | 28   | 431    | 497    | 495    | 2300   | 1896    | 1790    | 1637    | 313   | 328   | 323   |
| 362 Glass and products                          | 42   | 117    | 115    | 112    | 2500   | 2705    | 2468    | 2376    | 360   | 459   | 448   |
| 369 Other non metallic mineral products         | 345  | 818    | 813    | 788    | 13343  | 14501   | 14881   | 13613   | 2091  | 2770  | 2932  |
| 3691 Structural clay products                   | 50   | 62     | 55     | 53     | 1647   | 1211    | 1225    | 1140    |       |       |       |
| 3692 Cement, lime and plaster                   | 27   | 72     | 64     | 63     | 1692   | 1823    | 1740    | 1581    |       |       |       |
| 3699 Other non metallic mineral products        | 268  | 684    | 694    | 672    | 10004  | 11467   | 11856   | 10892   |       |       |       |
| 371 Iron and steel                              | 38   | 56     | 69     | 66     | 4300   | 4364    | 4231    | 4027    | 620   | 815   | 806   |
| 372 Non-ferrous metals                          | 40   | 78     | 79     | 79     | 1800   | 1855    | 1808    | 1745    | 259   | 304   | 322   |
| 381 Fabricated metal products                   | 803  | 2173   | 2201   | 2197   | 37018  | 45543   | 44515   | 44024   | 5464  | 7920  | 8078  |
| 3811 Cutlery, hand tools and general hardware   | 84   | 317    | 314    | 312    | 3155   | 4244    | 3638    | 3916    |       |       |       |
| 3812 Furniture and fixtures primarily of metal  | 119  | 243    | 264    | 264    | 5451   | 5417    | 5975    | 6088    |       |       |       |
| 3813 Structural metal products                  | 241  | 447    | 473    | 481    | 13010  | 15123   | 15359   | 14806   |       |       |       |
| 3819 Other fabricated metal products            | 359  | 1166   | 1150   | 1140   | 15402  | 20759   | 19283   | 19214   |       |       |       |
| 382 Non-electrical machinery                    | 965  | 4573a/ | 4680a/ | 4644a/ | 62517  | 80695a/ | 77064a/ | 76673a/ | 9598  | 14547 | 14550 |
| 3821 Engines and turbines                       | 6    | 9      | 7      | 7      | 189    | 95      | 75      | 79      |       |       |       |
| 3822 Agricultural machinery and equipment       | 102  | 271    | 276    | 272    | 7007   | 6836    | 5859    | 5673    |       |       |       |
| 3823 Metal and wood working machinery           | 126  | 180    | 216    | 219    | 4125   | 3235    | 3642    | 3976    |       |       |       |
| 3824 Other special industrial machinery         | 194  | 452    | 458    | 469    | 10963  | 14027   | 13615   | 12712   |       |       |       |
| 3825 Office, computing and accounting machinery | 26   | 175    | 169    | 190    | 2407   | 2894    | 2722    | 2807    |       |       |       |
| 3829 Other non electrical machinery & equipment | 511  | 1291   | 1288   | 1278   | 37826  | 44001   | 42142   | 43060   |       |       |       |
| 383 Electrical machinery                        | 288  | 1350   | 1396   | 1342   | 27311  | 31536   | 28643   | 25279   | 4149  | 5933  | 6646  |
| 3831 Electrical industrial machinery            | 90   | 736    | 760    | 721    | 6259   | 10741   | 9852    | 8002    |       |       |       |
| 3832 Radio, television and communication equipm | 105  | 265    | 298    | 294    | 12564  | 12244   | 12407   | 11874   |       |       |       |
| 3833 Electrical appliances and housewares       | 15   | 23     | 29     | 29     | 1470   | 734     | 987     | 1207    |       |       |       |
| 3839 Other electrical apparatus and supplies    | 78   | 326    | 309    | 298    | 7018   | 7817    | 5387    | 4196    |       |       |       |
| 384 Transport equipment                         | 294  | 846    | 852    | 838    | 27319  | 25870   | 25778   | 25285   | 4207  | 4708  | 5035  |
| 3841 Shipbuilding and repairing                 | 166  | 525    | 518    | 516    | 20267  | 17083   | 16579   | 16340   |       |       |       |
| 3842 Railroad equipment                         | 2    | 4      | 5      | 5      | 961    | 1024    | 1267    | 1114    |       |       |       |
| 3843 Motor vehicles                             | 105  | 230    | 228    | 212    | 5127   | 6107    | 6041    | 6026    |       |       |       |
| 3844 Motorcycles and bicycles                   | 10   | 25     | 25     | 25     | 612    | 660     | 576     | 529     |       |       |       |
| 3845 Aircraft                                   | -    | 31     | 40     | 45     | -      | 187     | 471     | 533     |       |       |       |
| 3849 Other transport equipment                  | 11   | 30     | 35     | 35     | 352    | 809     | 844     | 743     |       |       |       |
| 385 Professional and scientific equipment       | 130  | 423    | 446    | 454    | 11589  | 15337   | 14149   | 13568   | 1856  | 3045  | 2996  |
| 3851 Prof and scientific equipment n e c        | 105  | 367    | 378    | 389    | 10032  | 13547   | 12252   | 12028   |       |       |       |
| 3852 Photographic and optical goods             | 25   | 56     | 68     | 65     | 1557   | 1790    | 1897    | 1642    |       |       |       |
| 3853 Watches and clocks                         | -    | -      | -      | -      | -      | -       | -       | -       |       |       |       |
| 390 Other manufacturing industries              | 137  | 1323   | 1467   | 1459   | 6321   | 11204   | 11155   | 10452   | 877   | 1567  | 1668  |
| 3901 Jewellery and related articles             | 20   | 300    | 326    | 328    | 592    | 988     | 983     | 920     |       |       |       |
| 3902 Musical instruments                        | 8    | 72     | 82     | 86     | 188    | 246     | 274     | 257     |       |       |       |
| 3903 Sporting and athletic goods                | 11   | 31     | 36     | 33     | 360    | 394     | 419     | 270     |       |       |       |
| 3909 Manufacturing industries, n e c            | 98   | 920    | 1023   | 1012   | 5181   | 9578    | 9479    | 9006    |       |       |       |
| 3 Total manufacturing                           | 7017 | 25702  | 26447  | 25991  | 404784 | 510519  | 496834  | 483444  | 61378 | 87431 | 88671 |

a. Includes repair of machinery

## Denmark

| ISIC Industry                                     | Note | Output in factor values<br>(million KRONER) |       |       |      | Note  | Value added in factor values<br>(million KRONER) |       |      |      | Share of value added in output<br>(percentage) |      | Share of wages and salaries in value added<br>(percentage) |      |
|---|------|---|-------|-------|------|-------|--|-------|------|------|--|------|--|------|
|   |      | 1985  | 1990  | 1991  | 1992 |       | 1985   | 1990  | 1991 | 1992 | 1985   | 1992 | 1985   | 1992 |
| 311.2 Food Products                               |      | 85440                                       | 97265 | 95994 |      | 20400 | 25202  | 28173 |      | 23.9 |  | 47.7 |  |      |
| 3111 Slaughtering, preparing & preserving meat    |      |   | 38470 | 36037 |      |       | 8608   | 9656  |      |      |  |      |  |      |
| 3112 Dairy products                               |      |   | 26547 | 25884 |      |       | 4498   | 5312  |      |      |  |      |  |      |
| 3113 Canning, preserving of fruits & vegetables   |      |   | 3000  | 2906  |      |       | 926  | 1094  |      |      |  |      |  |      |
| 3114 Canning, preserving and processing of fish   |      |   | 8406  | 8828  |      |       | 2415   | 2508  |      |      |  |      |  |      |
| 3115 Vegetable and animal oils and fats           |      |   | 5547  | 5590  |      |       | 1986   | 1907  |      |      |  |      |  |      |
| 3116 Grain mill products                          |      |   | 1714  | 1906  |      |       | 619  | 876   |      |      |  |      |  |      |
| 3117 Bakery products                              |      |   | 3496  | 3685  |      |       | 1629   | 1810  |      |      |  |      |  |      |
| 3118 Sugar factories and refineries               |      |   | 3142  | 3212  |      |       | 1197   | 1449  |      |      |  |      |  |      |
| 3119 Cocoa, chocolate and sugar confectionery     |      |   | 3206  | 3420  |      |       | 1770   | 1787  |      |      |  |      |  |      |
| 3121 Other food products                          |      |   | 2676  | 3485  |      |       | 1232   | 1654  |      |      |  |      |  |      |
| 3122 Prepared animal feeds                        |      |   | 1061  | 1041  |      |       | 322  | 321   |      |      |  |      |  |      |
| 313 Beverages                                     |      | 6930  | 7791  | 8913  |      | 4040  | 4686   | 5321  |      | 58.3 |  | 40.8 |  |      |
| 3131 Distilling, rectifying and blending spirits  |      |   | 849   | 1040  |      |       | 394  | 421   |      |      |  |      |  |      |
| 3132 Wine industries                              |      |   |       |       |      |       |  |       |      |      |  |      |  |      |
| 3133 Malt liquors and malt                        |      |   | 6305  | 7143  |      |       | 3907   | 4501  |      |      |  |      |  |      |
| 3134 Soft drinks and carbonated waters            |      |   | 637   | 730   |      |       | 384  | 399   |      |      |  |      |  |      |
| 314 Tobacco                                       |      | 2030  | 2232  | 2776  |      | 1010  | 1257   | 1794  |      | 49.8 |  | 29.7 |  |      |
| 321 Textiles                                      |      | 7930  | 8145  | 8160  |      | 3430  | 3777   | 3818  |      | 43.3 |  | 59.1 |  |      |
| 3211 Spinning, weaving and finishing textiles     |      |   | 2203  | 2100  |      |       | 1078   | 1081  |      |      |  |      |  |      |
| 3212 Made-up textile goods, excl. wearing apparel |      |   | 1335  | 1432  |      |       | 610  | 649   |      |      |  |      |  |      |
| 3213 Knitting mills                               |      |   | 2247  | 2370  |      |       | 1046   | 1089  |      |      |  |      |  |      |
| 3214 Carpets and rugs                             |      |   | 1596  | 1533  |      |       | 650  | 627   |      |      |  |      |  |      |
| 3215 Cordage, rope and twine                      |      |   | 399   | 379   |      |       | 180  | 163   |      |      |  |      |  |      |
| 3219 Other textiles                               |      |   | 365   | 346   |      |       | 213  | 209   |      |      |  |      |  |      |
| 322 Wearing apparel, except footwear              |      | 3830  | 3286  | 3336  |      | 1860  | 1603   | 1667  |      | 48.6 |  | 70.6 |  |      |
| 323 Leather and fur products                      |      | 450   | 205   | 253   |      | 190   | 81   | 115   |      | 42.2 |  | 66.3 |  |      |
| 3231 Tanneries and leather finishing              |      |   | 131   | 186   |      |       | 42   | 78    |      |      |  |      |  |      |
| 3232 Fur dressing and dyeing industries           |      |   |       |       |      |       |  |       |      |      |  |      |  |      |
| 3233 Leather goods, excl. wearing apparel         |      |   | 74    | 67    |      |       | 39   | 37    |      |      |  |      |  |      |
| 324 Footwear, except rubber or plastic            |      | 1020  | 1205  | 1281  |      | 400   | 402  | 574   |      | 39.2 |  | 62.6 |  |      |
| 331 Wood products, except furniture               |      | 4800  | 6501  | 6742  |      | 2050  | 3005   | 3127  |      | 42.7 |  | 68.5 |  |      |
| 3311 Sawmills, planing and other wood mills       |      |   | 5894  | 6019  |      |       | 2713   | 2780  |      |      |  |      |  |      |
| 3312 Wooden and cane containers                   |      |   | 229   | 253   |      |       | 96   | 105   |      |      |  |      |  |      |
| 3313 Other wood and cork products                 |      |   | 378   | 490   |      |       | 196  | 242   |      |      |  |      |  |      |
| 332 Furniture and fixtures, excl. metal           |      | 6390  | 7914  | 8408  |      | 3230  | 3973   | 4231  |      | 50.5 |  | 61.4 |  |      |
| 341 Paper and products                            |      | 6760  | 8414  | 9000  |      | 2780  | 3887   | 4241  |      | 41.1 |  | 53.6 |  |      |
| 3411 Pulp, paper and paperboard articles          |      |   | 2118  | 1835  |      |       | 908  | 839   |      |      |  |      |  |      |
| 3412 Containers of paper and paperboard           |      |   | 4962  | 5803  |      |       | 2420   | 2836  |      |      |  |      |  |      |
| 3419 Other pulp, paper and paperboard articles    |      |   | 1334  | 1362  |      |       | 559  | 567   |      |      |  |      |  |      |
| 342 Printing and publishing                       |      | 11180                                       | 15150 | 15292 |      | 7150  | 9851   | 9920  |      | 64.0 |  | 67.7 |  |      |
| 351 Industrial chemicals                          |      | 11830                                       | 13443 | 13267 |      | 5110  | 6849   | 7149  |      | 43.2 |  | 39.8 |  |      |
| 3511 Basic chemicals excl. fertilizers            |      |   | 6582  | 6780  |      |       | 3827   | 4167  |      |      |  |      |  |      |
| 3512 Fertilizers and pesticides                   |      |   | 1507  | 1404  |      |       | 637  | 665   |      |      |  |      |  |      |
| 3513 Synthetic resins and plastic materials       |      |   | 5354  | 5083  |      |       | 2385   | 2317  |      |      |  |      |  |      |
| 352 Other chemicals                               |      | 11930                                       | 16155 | 17463 |      | 6350  | 9513   | 10150 |      | 63.2 |  | 35.4 |  |      |
| 3521 Paints, varnishes and lacquers               |      |   | 2820  | 2973  |      |       | 1443   | 1376  |      |      |  |      |  |      |
| 3522 Drugs and medicines                          |      |   | 9626  | 10353 |      |       | 6503   | 6976  |      |      |  |      |  |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics    |      |   | 2707  | 2033  |      |       | 1177   | 1340  |      |      |  |      |  |      |
| 3529 Other chemical products                      |      |   | 1002  | 1104  |      |       | 390  | 458   |      |      |  |      |  |      |
| 353 Petroleum refineries                          |      | 9280  | 9151  | 11343 |      | 540   | 728  | 1110  |      | 5.8  |  | 23.1 |  |      |

|   |        |        |        |        |        |        |      |      |
|---|--------|--------|--------|--------|--------|--------|------|------|
| 354 Misc petroleum and coal products            | 1920   | 2178   | 2297   | 620    | 1281   | 1161   | 32 3 | 33 5 |
| 355 Rubber products                             | 1110   | 1317   | 1196   | 590    | 755    | 710    | 53 2 | 62 2 |
| 3551 Tyres and tubes                            |        | 222    | 153    |        | 98     | 72     |      |      |
| 3559 Other rubber products                      |        | 1095   | 1043   |        | 657    | 638    |      |      |
| 356 Plastic products                            | 4640   | 7180   | 7362   | 2800   | 3932   | 4008   | 60 3 | 50 9 |
| 361 Pottery, china, earthenware                 | 510    | 497    | 493    | 420    | 438    | 407    | 82 4 | 74 5 |
| 362 Glass and products                          | 1020   | 1319   | 1316   | 610    | 705    | 721    | 59 8 | 59 0 |
| 369 Other non-metallic mineral products         | 8070   | 9822   | 9656   | 4580   | 5824   | 5742   | 56 8 | 45 7 |
| 3691 Structural clay products                   |        | 727    | 685    |        | 497    | 481    |      |      |
| 3692 Cement, lime and plaster                   |        | 1605   | 1730   |        | 1067   | 1160   |      |      |
| 3699 Other non-metallic mineral products        |        | 7490   | 7241   |        | 4260   | 4101   |      |      |
| 371 Iron and steel                              | 2980   | 3748   | 3325   | 1250   | 1739   | 1670   | 41 9 | 49 6 |
| 372 Non ferrous metals                          | 1510   | 1134   | 1119   | 450    | 449    | 436    | 29 8 | 57 6 |
| 381 Fabricated metal products                   | 17980  | 22526  | 23817  | 8460   | 11371  | 12209  | 47 1 | 64 6 |
| 3811 Cutlery, hand tools and general hardware   |        | 1318   | 1368   |        | 704    | 738    |      |      |
| 3812 Furniture and fixtures primarily of metal  |        | 3414   | 3315   |        | 1861   | 1805   |      |      |
| 3813 Structural metal products                  |        | 8955   | 9698   |        | 4230   | 4655   |      |      |
| 3819 Other fabricated metal products            |        | 8839   | 9436   |        | 4576   | 5011   |      |      |
| 382 Non-electrical machinery                    | 27700  | 35452  | 36210  | 14700  | 18878  | 19610  | 53 1 | 65 3 |
| 3821 Engines and turbines                       |        | 32     | 31     |        | 22     | 22     |      |      |
| 3822 Agricultural machinery and equipment       |        | 3710   | 3197   |        | 1857   | 1684   |      |      |
| 3823 Metal and wood working machinery           |        | 1451   | 1608   |        | 867    | 918    |      |      |
| 3824 Other special industrial machinery         |        | 7444   | 7823   |        | 3831   | 4128   |      |      |
| 3825 Office, computing and accounting machinery |        | 1469   | 1501   |        | 933    | 973    |      |      |
| 3829 Other non-electrical machinery & equipment |        | 21346  | 22050  |        | 11368  | 11885  |      |      |
| 383 Electrical machinery                        | 12680  | 16225  | 15157  | 6590   | 8162   | 7638   | 52 0 | 63 0 |
| 3831 Electrical industrial machinery            |        | 4654   | 4433   |        | 2237   | 2108   |      |      |
| 3832 Radio, television and communication equipm |        | 7955   | 7765   |        | 3872   | 3910   |      |      |
| 3833 Electrical appliances and housewares       |        | 643    | 602    |        | 325    | 319    |      |      |
| 3839 Other electrical apparatus and supplies    |        | 2973   | 2357   |        | 1728   | 1301   |      |      |
| 384 Transport equipment                         | 13930  | 16126  | 18473  | 6060   | 6980   | 7831   | 43 5 | 59 4 |
| 3841 Shipbuilding and repairing                 |        | 11261  | 12635  |        | 4887   | 5496   |      |      |
| 3842 Railroad equipment                         |        | 502    | 978    |        | 183    | 301    |      |      |
| 3843 Motor vehicles                             |        | 3404   | 3877   |        | 1492   | 1630   |      |      |
| 3844 Motorcycles and bicycles                   |        | 429    | 417    |        | 176    | 144    |      |      |
| 3845 Aircraft                                   |        |        |        |        |        |        |      |      |
| 3849 Other transport equipment                  |        | 530    | 566    |        | 243    | 260    |      |      |
| 385 Professional and scientific equipment       | 5050   | 6448   | 6518   | 3110   | 3851   | 3920   | 61 5 | 60 0 |
| 3851 Prof and scientific equipment n e c        |        | 5091   | 5378   |        | 3269   | 3386   |      |      |
| 3852 Photographic and optical goods             |        | 1357   | 1140   |        | 582    | 534    |      |      |
| 3853 Watches and clocks                         |        |        |        |        |        |        |      |      |
| 390 Other manufacturing industries              | 3560   | 5186   | 5775   | 1960   | 3027   | 3422   | 55 1 | 44 7 |
| 3901 Jewellery and related articles             |        | 249    | 268    |        | 154    | 167    |      |      |
| 3902 Musical instruments                        |        | 50     | 49     |        | 41     | 39     |      |      |
| 3903 Sporting and athletic goods                |        | 230    | 257    |        | 107    | 128    |      |      |
| 3909 Manufacturing industries, n e c            |        | 4657   | 5201   |        | 2726   | 3088   |      |      |
| 3 Total manufacturing                           | 272460 | 326015 | 334942 | 110740 | 142206 | 150876 | 40 6 | 55 4 |

## Denmark

| ISIC Industry                             | Note | Gross fixed capital formation |       |       |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|-------|-------|------|------|--|------|------|------|------|------|------|------|
|   |      | (million KRONER)              |       |       |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990  | 1991  | 1992 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      | 2339                          | 2688  | 3080  |      | 116  | 120                                    | 126  | 123  | 126  | 126  | 130  | 141  | 139  |
| 313 Beverages                             |      | 352                           | 385   | 571   |      | 102  | 102                                    | 105  | 104  | 110  | 106  | 109  | 113  | 117  |
| 314 Tobacco                               |      | 58                            | 138   | 107   |      | 108  | 109                                    | 112  | 111  | 107  | 109  | 108  | 108  | 107  |
| 321 Textiles                              |      | 398                           | 372   | 332   |      | 117  | 116                                    | 117  | 116  | 111  | 113  | 106  | 106  | 105  |
| 322 Wearing apparel, except footwear      |      | 125                           | 133   | 56    |      | 112  | 119                                    | 115  | 102  | 87   | 81   | 81   | 82   | 87   |
| 323 Leather and fur products              |      | 20                            | -1    | 9     |      | 95   | 88                                     | 88   | 77   | 65   | 68   | 58   | 42   | 49   |
| 324 Footwear, except rubber or plastic    |      | 44                            | 28    | 25    |      | 115  | 109                                    | 107  | 118  | 93   | 94   | 105  | 109  | 115  |
| 331 Wood products, except furniture       |      | 338                           | 543   | 436   |      | 122  | 121                                    | 138  | 152  | 144  | 136  | 131  | 131  | 136  |
| 332 Furniture and fixtures, excl metal    |      | 576                           | 382   | 343   |      | 159  | 158                                    | 160  | 153  | 152  | 156  | 155  | 164  | 164  |
| 341 Paper and products                    |      | 353                           | 494   | 1047  |      | 122  | 119                                    | 122  | 121  | 127  | 131  | 133  | 137  | 137  |
| 342 Printing and publishing               |      | 923                           | 591   | 540   |      | 118  | 123                                    | 137  | 131  | 136  | 131  | 132  | 130  | 130  |
| 351 Industrial chemicals                  |      | 857                           | 992   | 1188  |      | 124  | 126                                    | 138  | 140  | 139  | 136  | 133  | 131  | 140  |
| 352 Other chemicals                       |      | 786                           | 1060  | 1303  |      | 122  | 134                                    | 138  | 133  | 138  | 149  | 166  | 159  | 171  |
| 353 Petroleum refineries                  |      | 159                           | 181   | 303   |      | 104  | 99                                     | 96   | 100  | 100  | 100  | 93   | 98   | 103  |
| 354 Misc petroleum and coal products      |      | 158                           | 157   | 174   |      | 114  | 106                                    | 124  | 134  | 147  | 105  | 105  | 107  | 108  |
| 355 Rubber products                       |      | 105                           | 44    | 75    |      | 97   | 94                                     | 92   | 99   | 104  | 108  | 127  | 133  | 140  |
| 356 Plastic products                      |      | 464                           | 518   | 765   |      | 123  | 131                                    | 146  | 153  | 181  | 185  | 180  | 187  | 204  |
| 361 Pottery, china, earthenware           |      | 10                            | 1     | 5     | a/   | 75   | 71                                     | 74   | 71   | 71   | 68   | 68   | 65   | 65   |
| 362 Glass and products                    |      | 51                            | 172   | 59    | a/   |      |  |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      | 989                           | 788   | 771   |      | 96   | 101                                    | 119  | 106  | 104  | 106  | 106  | 101  | 99   |
| 371 Iron and steel                        |      | 145                           | 204   | 219   | b/c/ | 101  | 97                                     | 93   | 87   | 91   | 103  | 96   | 93   | 97   |
| 372 Non-ferrous metals                    |      | 51                            | 36    | 90    | b/   |      |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      | 1013                          | 1262  | 1066  | c/   | 128  | 146                                    | 174  | 168  | 160  | 177  | 175  | 184  | 187  |
| 382 Non-electrical machinery              |      | 1757                          | 1891  | 1649  |      | 111  | 115                                    | 119  | 109  | 120  | 125  | 126  | 125  | 130  |
| 383 Electrical machinery                  |      | 776                           | 607   | 746   |      | 119  | 132                                    | 150  | 153  | 147  | 151  | 147  | 146  | 145  |
| 384 Transport equipment                   |      | 417                           | 528   | 645   |      | 95   | 104                                    | 101  | 85   | 84   | 87   | 98   | 105  | 103  |
| 385 Professional and scientific equipment |      | 349                           | 202   | 300   |      | 142  | 151                                    | 163  | 161  | 174  | 178  | 174  | 164  | 166  |
| 390 Other manufacturing industries        |      | 153                           | 325   | 447   |      | 154  | 136                                    | 156  | 139  | 152  | 165  | 171  | 180  | 188  |
| 3 Total manufacturing                     |      | 13746                         | 14722 | 16352 |      | 116  | 121                                    | 130  | 125  | 128  | 130  | 131  | 134  | 136  |

a/ 361 includes 362  
c/ 382 includes iron foundries

b/ 371 includes 372

## ECUADOR

**Supplier of information:**

Instituto Nacional de Estadística y Censos (INEC), Quito.  
The index numbers of industrial production are compiled by the Banco del Ecuador.

**Basic source of data:**

Annual survey of manufacturing and mining.

**Major deviations from current version of ISIC:**

None reported

**Reference period (if not calendar year):****Scope:**

Establishments with 10 or more persons engaged.

**Method of enumeration:**

Questionnaires distributed by mail with follow-up site visits as required.

**Adjusted for non-response:**

No

**Concepts and definitions of variables:**

Number of employees refers to the last pay period in November of the reference year.

Output is gross output.

Value added is total value added.

**Related national publications:**

Encuesta Anual de Manufacturera y Minería (annual), published by the Instituto Nacional de Estadística y Censos, Quito.

## Ecuador

| ISIC Industry                                    | Note | Number of establishments<br>(numbers) |      |      |      | Note | Number of employees<br>(numbers) |       |       |       | Note | Wages and salaries paid<br>to employees<br>(million SUQUES) |       |       |       |
|--|------|---------------------------------------|------|------|------|------|----------------------------------|-------|-------|-------|------|---|-------|-------|-------|
|  |      | 1985                                  | 1988 | 1989 | 1990 |      | 1985                             | 1988  | 1989  | 1990  |      | 1985  | 1988  | 1989  | 1990  |
| 311/2 Food Products                              |      | 285                                   | 320  | 315  | 316  |      | 23210                            | 27340 | 28197 | 27131 |      | 8874  | 24026 | 36000 | 71884 |
| 3111 Slaughtering, preparing & preserving meat   |      | 19                                    | 24   | 20   | 20   |      | 1312                             | 1629  | 1603  | 1787  |      | 392   | 1160  | 1827  | 3071  |
| 3112 Dairy products                              |      | 26                                    | 24   | 24   | 25   |      | 1273                             | 1256  | 1380  | 1397  |      | 622   | 1641  | 2647  | 4600  |
| 3113 Canning, preserving of fruits & vegetables  |      | 8                                     | 13   | 14   | 14   |      | 257                              | 387   | 459   | 557   |      | 67  | 247   | 384   | 626   |
| 3114 Canning, preserving and processing of fish  |      | 32                                    | 42   | 43   | 45   |      | 3912                             | 4669  | 5299  | 6130  |      | 1235  | 3631  | 5844  | 10145 |
| 3115 Vegetable and animal oils and fats          |      | 24                                    | 32   | 29   | 28   |      | 3178                             | 4022  | 4332  | 4104  |      | 1228  | 3330  | 5472  | 10560 |
| 3116 Grain mill products                         |      | 36                                    | 43   | 43   | 43   |      | 1706                             | 1807  | 1823  | 1705  |      | 644   | 1690  | 2688  | 4294  |
| 3117 Bakery products                             |      | 63                                    | 63   | 65   | 64   |      | 3291                             | 3558  | 3298  | 3214  |      | 786   | 2695  | 4885  | 5676  |
| 3118 Sugar factories and refineries              |      | 9                                     | 10   | 11   | 10   |      | 5133                             | 6677  | 6663  | 4474  |      | 2631  | 6891  | 7242  | 24331 |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 16                                    | 18   | 18   | 19   |      | 1086                             | 1161  | 1249  | 1383  |      | 477   | 1316  | 1969  | 3227  |
| 3121 Other food products                         |      | 34                                    | 32   | 31   | 28   |      | 1603                             | 1610  | 1576  | 1630  |      | 590   | 1498  | 2324  | 3832  |
| 3122 Prepared animal feeds                       |      | 18                                    | 19   | 17   | 20   |      | 459                              | 364   | 515   | 750   |      | 202   | 627   | 728   | 1522  |
| 313 Beverages                                    |      | 63                                    | 66   | 70   | 68   |      | 5222                             | 6849  | 6472  | 7350  |      | 1662  | 4811  | 6207  | 11138 |
| 3131 Distilling, rectifying and blending spirits |      | 27                                    | 27   | 31   | 28   |      | 909                              | 1024  | 1053  | 1120  |      | 330   | 937   | 1351  | 2064  |
| 3132 Wine industries                             |      | 3                                     | 4    | 4    | 3    |      | 164                              | 128   | 99    | 86    |      | 23  | 30    | 30    | 29    |
| 3133 Malt liquors and malt                       |      | 2                                     | 2    | 1    | 3    |      | 326                              | 413   | 43    | 748   |      | 194   | 785   | 68    | 1692  |
| 3134 Soft drinks and carbonated waters           |      | 31                                    | 33   | 34   | 34   |      | 3823                             | 5284  | 5277  | 6396  |      | 1116  | 3069  | 4758  | 7353  |
| 314 Tobacco                                      |      | 4                                     | 2    | 2    |      |      | 1103                             | 887   | 757   | 750   |      | 688   | 1257  | 1972  | 2353  |
| 321 Textiles                                     |      | 143                                   | 158  | 151  | 149  |      | 14263                            | 14346 | 14063 | 14483 |      | 4206  | 10589 | 15379 | 26229 |
| 3211 Spinning, weaving and finishing textiles    |      | 61                                    | 70   | 68   | 69   |      | 10236                            | 10056 | 9872  | 10166 |      | 3247  | 8031  | 11743 | 20077 |
| 3212 Made-up textile goods excl wearing apparel  |      | 11                                    | 16   | 14   | 14   |      | 1004                             | 1051  | 1028  | 1007  |      | 216   | 566   | 857   | 1726  |
| 3213 Knitting mills                              |      | 61                                    | 60   | 58   | 55   |      | 2626                             | 2915  | 2858  | 2995  |      | 637   | 1800  | 2542  | 4080  |
| 3214 Carpets and rugs                            |      | 7                                     | 11   | 10   | 10   |      | 164                              | 290   | 271   | 290   |      | 33  | 173   | 209   | 315   |
| 3215 Cordage, rope and twine                     |      | 3                                     | 1    | 1    | 1    |      | 234                              | 34    | 34    | 25    |      | 74  | 20    | 28    | 31    |
| 3219 Other textiles                              |      | -                                     | -    | -    | -    |      | -                                | -     | -     | -     |      | -   | -     | -     | -     |
| 322 wearing apparel, except footwear             |      | 64                                    | 84   | 89   | 94   |      | 3176                             | 3515  | 3456  | 3800  |      | 604   | 1482  | 2210  | 3809  |
| 323 Leather and fur products                     |      | 22                                    | 25   | 26   | 24   |      | 999                              | 1022  | 1026  | 986   |      | 213   | 464   | 770   | 997   |
| 3231 Tanneries and leather finishing             |      | 18                                    | 20   | 22   | 21   |      | 900                              | 882   | 954   | 936   |      | 197   | 411   | 738   | 968   |
| 3232 Fur dressing and dyeing industries          |      | -                                     | -    | -    | -    |      | -                                | -     | -     | -     |      | -   | -     | -     | -     |
| 3233 Leather prods excl wearing apparel          |      | 4                                     | 5    | 4    | 3    |      | 99                               | 140   | 72    | 50    |      | 16  | 63    | 32    | 39    |
| 324 Footwear, except rubber or plastic           |      | 13                                    | 17   | 20   | 20   |      | 1033                             | 1432  | 1738  | 1705  |      | 284   | 828   | 1476  | 2106  |
| 331 Wood products, except furniture              |      | 47                                    | 54   | 57   | 53   |      | 3057                             | 3372  | 3244  | 3282  |      | 802   | 2229  | 3217  | 6394  |
| 3311 Sawmills, planing and other wood mills      |      | 40                                    | 45   | 47   | 46   |      | 2961                             | 3203  | 3046  | 3181  |      | 785   | 2149  | 3096  | 6314  |
| 3312 Wooden and cane containers                  |      | -                                     | 1    | 1    | 1    |      | -                                | 8     | 8     | 8     |      | -   | 3     | 6     | 7     |
| 3319 Other wood and cork products                |      | 7                                     | 8    | 9    | 6    |      | 96                               | 161   | 190   | 93    |      | 17  | 77    | 117   | 73    |
| 332 Furniture and fixtures, excl metal           |      | 45                                    | 59   | 58   | 58   |      | 2529                             | 3287  | 3224  | 3147  |      | 682   | 1865  | 3026  | 4956  |
| 341 Paper and products                           |      | 23                                    | 26   | 26   | 27   |      | 2933                             | 3589  | 3641  | 3987  |      | 1119  | 3397  | 4989  | 9624  |
| 3411 Pulp, paper and paperboard articles         |      | 8                                     | 8    | 9    | 9    |      | 1588                             | 1888  | 1961  | 1981  |      | 538   | 1671  | 2335  | 4136  |
| 3412 Containers of paper and paperboard          |      | 10                                    | 12   | 11   | 12   |      | 1204                             | 1543  | 1509  | 1836  |      | 535   | 1525  | 2369  | 4954  |
| 3419 Other pulp, paper and paperboard articles   |      | 5                                     | 6    | 6    | 6    |      | 141                              | 158   | 171   | 170   |      | 46  | 201   | 295   | 434   |
| 342 Printing and publishing                      |      | 82                                    | 87   | 90   | 83   |      | 3516                             | 3827  | 4096  | 4182  |      | 1445  | 3733  | 6153  | 9290  |
| 351 Industrial chemicals                         |      | 32                                    | 44   | 44   | 43   |      | 1488                             | 1831  | 1840  | 1729  |      | 730   | 2360  | 3718  | 6833  |
| 3511 Basic chemicals excl fertilizers            |      | 17                                    | 19   | 19   | 20   |      | 450                              | 572   | 552   | 559   |      | 194   | 978   | 1632  | 2182  |
| 3512 Fertilizers and pesticides                  |      | 6                                     | 6    | 6    | 5    |      | 549                              | 493   | 485   | 411   |      | 342   | 540   | 725   | 1331  |
| 3513 Synthetic resins and plastic materials      |      | 9                                     | 19   | 19   | 18   |      | 489                              | 766   | 792   | 759   |      | 194   | 832   | 1451  | 2320  |
| 352 Other chemicals                              |      | 76                                    | 82   | 80   | 79   |      | 5341                             | 5869  | 6224  | 6458  |      | 2739  | 7633  | 12000 | 19608 |
| 3521 Paints, varnishes and lacquers              |      | 10                                    | 11   | 10   | 11   |      | 616                              | 682   | 683   | 687   |      | 366   | 1095  | 1612  | 2724  |
| 3522 Drugs and medicines                         |      | 29                                    | 30   | 30   | 30   |      | 2486                             | 2733  | 2825  | 2813  |      | 1428  | 3844  | 6516  | 9811  |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 25                                    | 27   | 26   | 23   |      | 1664                             | 1938  | 2190  | 2360  |      | 655   | 2063  | 3009  | 6273  |
| 3529 Other chemical products                     |      | 12                                    | 14   | 14   | 15   |      | 585                              | 616   | 626   | 598   |      | 300   | 641   | 964   | 1860  |
| 353 Petroleum refineries                         |      | 4                                     | 4    | 4    |      |      | 1338                             | 1498  | 1667  | 1665  |      | 1109  | 3013  | 4153  | 6281  |



|   |      |      |      |      |       |        |        |        |       |        |        |        |
|---|------|------|------|------|-------|--------|--------|--------|-------|--------|--------|--------|
| 354 Misc. petroleum and coal products           | 4    | 7    | 5    | 5    | 124   | 218    | 181    | 223    | 189   | 742    | 977    | 1477   |
| 355 Rubber products                             | 20   | 19   | 19   | 18   | 1559  | 1479   | 1550   | 1615   | 798   | 2015   | 3618   | 7362   |
| 3551 Tyres and tubes                            | 9    | 8    | 9    | 7    | 784   | 849    | 941    | 870    | 604   | 1388   | 2962   | 5851   |
| 3559 Other rubber products                      | 11   | 11   | 10   | 11   | 575   | 630    | 617    | 745    | 194   | 627    | 656    | 1511   |
| 356 Plastic products                            | 57   | 80   | 82   | 79   | 4497  | 6188   | 5374   | 5836   | 1487  | 3889   | 6072   | 10180  |
| 361 Pottery, china, earthenware                 | 7    | 12   | 11   | 12   | 791   | 1174   | 1268   | 1266   | 360   | 913    | 1319   | 2350   |
| 362 Glass and products                          | 10   | 13   | 11   | 11   | 503   | 695    | 653    | 594    | 257   | 893    | 1412   | 1627   |
| 369 Other non-metallic mineral products         | 69   | 77   | 76   | 81   | 4673  | 5137   | 4795   | 4717   | 2281  | 6928   | 9979   | 15953  |
| 3691 Structural clay products                   | 14   | 15   | 15   | 16   | 618   | 717    | 608    | 535    | 111   | 345    | 430    | 647    |
| 3692 Cement, lime and plaster                   | 4    | 4    | 4    | 4    | 1503  | 1625   | 1562   | 1609   | 1126  | 3246   | 4764   | 8328   |
| 3699 Other non-metallic mineral products        | 51   | 58   | 57   | 61   | 2552  | 2795   | 2625   | 2573   | 1045  | 3337   | 4785   | 6978   |
| 371 Iron and steel                              | 12   | 14   | 13   | 13   | 1289  | 1663   | 1721   | 1457   | 645   | 2293   | 3350   | 5086   |
| 372 Non-ferrous metals                          | 5    | 4    | 4    | 4    | 305   | 295    | 295    | 302    | 192   | 547    | 618    | 1055   |
| 381 Fabricated metal products                   | 138  | 138  | 133  | 133  | 6185  | 6233   | 6238   | 6588   | 2249  | 6209   | 9338   | 14172  |
| 3811 Cutlery, hand tools and general hardware   | 9    | 12   | 11   | 10   | 351   | 455    | 416    | 377    | 111   | 392    | 623    | 788    |
| 3812 Furniture and fixtures primarily of metal  | 25   | 26   | 24   | 23   | 795   | 850    | 854    | 901    | 184   | 542    | 799    | 1358   |
| 3813 Structural metal products                  | 51   | 51   | 49   | 51   | 1993  | 1939   | 1867   | 1891   | 622   | 1434   | 1910   | 2755   |
| 3819 Other fabricated metal products            | 53   | 49   | 49   | 49   | 3045  | 2989   | 3101   | 3519   | 1332  | 3841   | 6016   | 9271   |
| 382 Non-electrical machinery                    | 22   | 22   | 17   | 18   | 764   | 545    | 674    | 710    | 224   | 448    | 923    | 1100   |
| 3821 Engines and turbines                       | 1    | 1    | 1    | 1    | 23    | 14     | 14     | 16     | 4     | 9      | 19     | 28     |
| 3822 Agricultural machinery and equipment       | 4    | 4    | 4    | 3    | 48    | 57     | 58     | 64     | 15    | 42     | 65     | 76     |
| 3823 Metal and wood working machinery           | 6    | 6    | 4    | 5    | 195   | 183    | 196    | 204    | 60    | 112    | 187    | 296    |
| 3824 Other special industrial machinery         | 3    | 4    | 3    | 4    | 49    | 47     | 35     | 50     | 9     | 17     | 21     | 47     |
| 3825 Office, computing and accounting machinery | -    | -    | -    | -    | -     | -      | -      | -      | -     | -      | -      | -      |
| 3829 Other non-electrical machinery & equipment | 8    | 7    | 5    | 5    | 451   | 345    | 371    | 376    | 146   | 268    | 631    | 654    |
| 383 Electrical machinery                        | 42   | 49   | 52   | 52   | 4205  | 4434   | 4417   | 4170   | 1507  | 3906   | 5750   | 9042   |
| 3831 Electrical industrial machinery            | 8    | 9    | 10   | 8    | 200   | 271    | 318    | 300    | 82    | 240    | 406    | 660    |
| 3832 Radio, television and communication equipm | 12   | 13   | 13   | 13   | 941   | 965    | 1049   | 1094   | 230   | 642    | 809    | 1376   |
| 3833 Electrical appliances and housewares       | 3    | 6    | 5    | 5    | 1836  | 1851   | 1852   | 1358   | 553   | 1041   | 1579   | 2316   |
| 3839 Other electrical apparatus and supplies    | 19   | 21   | 24   | 26   | 1228  | 1347   | 1398   | 1418   | 662   | 2083   | 2956   | 4690   |
| 384 Transport equipment                         | 28   | 40   | 35   | 37   | 1432  | 2079   | 1993   | 2155   | 506   | 1774   | 2848   | 4967   |
| 3841 Shipbuilding and repairing                 | -    | -    | 4a/  | 3    | -     | -      | 57     | 93     | -     | -      | 37     | 145    |
| 3842 Railroad equipment                         | -    | -    | -    | -    | -     | -      | -      | -      | -     | -      | -      | -      |
| 3843 Motor vehicles                             | 25   | 37   | 31   | 33   | 1337  | 2011   | 1879   | 2004   | 487   | 1736   | 2766   | 4754   |
| 3844 Motorcycles and bicycles                   | b/   | b/   | a/   | -    | 50    | 28     | 11     | -      | 11    | 18     | 7      | -      |
| 3845 Aircraft                                   | -    | -    | -    | -    | -     | -      | -      | -      | -     | -      | -      | -      |
| 3849 Other transport equipment                  | b/   | b/   | a/   | 1    | 45    | 40     | 45     | 58     | 8     | 20     | 38     | 68     |
| 385 Professional and scientific equipment       | 9    | 12   | 12   | 11   | 470   | 581    | 583    | 621    | 291   | 724    | 813    | 1802   |
| 3851 Prof. and scientific equipment n.e.c.      | 8    | 10   | 10   | 8    | 451   | 558    | 550    | 475    | 289   | 713    | 785    | 1732   |
| 3852 Photographic and optical goods             | 1    | 2    | 2    | 3    | 19    | 23     | 33     | 46     | 2     | 11     | 27     | 70     |
| 3853 Watches and clocks                         | -    | -    | -    | -    | -     | -      | -      | -      | -     | -      | -      | -      |
| 390 Other manufacturing industries              | 25   | 22   | 21   | 22   | 815   | 679    | 662    | 827    | 205   | 479    | 638    | 1068   |
| 3901 Jewellery and related articles             | 6    | 5    | 6    | 7    | 221   | 144    | 208    | 294    | 62    | 112    | 203    | 351    |
| 3902 Musical instruments                        | -    | -    | -    | -    | -     | -      | -      | -      | -     | -      | -      | -      |
| 3903 Sporting and athletic goods                | 2    | 2    | 2    | 2    | 59    | 36     | 33     | 58     | 20    | 35     | 38     | 89     |
| 3909 Manufacturing industries, n.e.c.           | 17   | 15   | 13   | 13   | 535   | 499    | 421    | 475    | 123   | 332    | 397    | 628    |
| J Total manufacturing                           | 1351 | 1537 | 1523 | 1513 | 96820 | 109145 | 109957 | 111715 | 36318 | 100637 | 148925 | 255553 |

a/ 3841 includes 3844 and 3849

b/ 3844 includes 3849

Ecuador

| ISIC Industry                                    | Output in producers' prices<br>(million SUCEDES) |        |        |        | Note | Value added in producers' prices<br>(million SUCEDES) |       |        |        | Share of value added in output<br>(percentage) |      | Share of wages and salaries in value added<br>(percentage) |      |
|--|--|--------|--------|--------|------|---|-------|--------|--------|--|------|--|------|
|  | 1985   | 1988   | 1989   | 1990   |      | 1985  | 1988  | 1989   | 1990   | 1985   | 1990 | 1985   | 1990 |
| 311 Food products                                | 101614   | 354677 | 574654 | 948116 |      | 22804   | 94728 | 129457 | 175126 | 22.4   | 18.6 | 38.9   | 41.0 |
| 3111 Slaughtering, preparing & preserving meat   | 5330   | 22489  | 34387  | 61696  |      | 1064  | 4104  | 2113   | 6807   | 20.0   | 11.0 | 36.8   | 46.1 |
| 3112 Dairy products                              | 6427   | 18875  | 35961  | 53831  |      | 1496  | 4327  | 14606  | 23.3   | 26.9   | 41.6 | 31.7   |      |
| 3113 Canning, preserving of fruits & vegetables  | 147  | 1684   | 2856   | 4422   |      | 144   | 601   | 1072   | 1442   | 4.1  | 3.2  | 46.5   | 43.4 |
| 3114 Canning, preserving and processing of fish  | 15304  | 76202  | 116224 | 251591 |      | 2624  | 14851 | 44813  | 44813  | 16.4   | 17.8 | 48.9   | 22.6 |
| 3115 Vegetable and animal oils and fats          | 21802  | 76741  | 135907 | 173671 |      | 4739  | 17333 | 22975  | 22975  | 16.7   | 13.2 | 28.9   | 46.0 |
| 3116 Grain mill products                         | 15800  | 43121  | 83457  | 134278 |      | 2634  | 6716  | 10836  | 12768  | 16.8   | 9.6  | 24.4   | 33.6 |
| 3117 Baker's products                            | 5884   | 28461  | 38457  | 48933  |      | 1870  | 17544 | 18003  | 9689   | 20.4   | 19.6 | 47.1   | 59.2 |
| 3118 Sugar factories and refineries              | 9100   | 40230  | 74042  | 116338 |      | 4592  | 18227 | 37671  | 37671  | 50.6   | 60.9 | 67.3   | 64.6 |
| 3119 Cocoa, chocolate and sugar confectionery    | 9724   | 29259  | 38193  | 59019  |      | 9724  | 8537  | 7276   | 7276   | 17.8   | 13.1 | 27.6   | 41.8 |
| 312 Other food products                          | 6281   | 18198  | 29047  | 41358  |      | 1676  | 6111  | 10048  | 11961  | 26.1   | 28.9 | 37.4   | 32.0 |
| 3122 Prepared animal feeds                       | 3460   | 15215  | 19835  | 45267  |      | 634   | 2066  | 4948   | 4889   | 18.1   | 10.8 | 31.9   | 31.3 |
| 313 Beverages                                    | 12481  | 34504  | 57758  | 106525 |      | 4487  | 11506 | 18760  | 26507  | 36.0   | 24.3 | 37.0   | 43.6 |
| 3131 Distilling, rectifying and blending spirits | 2388   | 8181   | 14110  | 17034  |      | 1056  | 3494  | 4991   | 9421   | 44.2   | 31.9 | 31.3   | 38.1 |
| 3132 Wine industries                             | 37   | 126    | 761    | 38     |      | 38  | 48    | 56     | 177    | 19.2   | 46.7 | 50.9   | 37.1 |
| 3133 Soft liquors and malt                       | 2347   | 5925   | 7022   | 24600  |      | 649   | 2566  | 1876   | 1876   | 27.7   | 8.0  | 29.9   | 90.1 |
| 3134 Soft drinks and carbonated waters           | 7629   | 20677  | 41366  | 64876  |      | 2745  | 5447  | 13172  | 16231  | 36.0   | 28.1 | 40.6   | 40.3 |
| 314 Tobacco                                      | 6949   | 20936  | 40772  | 17348  |      | 1160  | 3779  | 3632   | 1042   | 16.7   | 6.0  | 59.3   |      |
| 321 Textiles                                     | 24171  | 80661  | 127879 | 191471 |      | 10174   | 30179 | 48163  | 72554  | 42.1   | 37.9 | 41.3   | 36.2 |
| 3211 Spinning, weaving and finishing textiles    | 19272  | 67311  | 100031 | 149168 |      | 7959  | 22387 | 37174  | 56240  | 41.3   | 37.1 | 40.8   | 36.7 |
| 3212 Made up textile goods excl. wearing apparel | 870  | 4210   | 6010   | 9381   |      | 2619  | 2169  | 2628   | 3961   | 33.2   | 42.1 | 74.4   | 43.7 |
| 3213 Knitting mills                              | 3435   | 12274  | 19186  | 29531  |      | 1682  | 7683  | 11248  | 11248  | 49.0   | 38.1 | 37.9   | 36.3 |
| 3214 Carpets and rugs                            | 218  | 1381   | 2534   | 3256   |      | 66  | 852   | 852    | 1091   | 30.3   | 33.6 | 50.0   | 28.9 |
| 3215 Cordage, rope and twine                     | 376  | 135    | 118    | 135    |      | 178   | 45    | 26     | 24     | 47.3   | 17.8 | 41.6   |      |
| 3219 Other textiles                              |  |        |        |        |      |   |       |        |        |  |      |  |      |
| 322 wearing apparel, except footwear             | 2823   | 9006   | 17268  | 25684  |      | 1060  | 3189  | 6267   | 7961   | 37.5   | 31.0 | 67.0   | 47.8 |
| 323 leather and fur products                     | 1645   | 4240   | 9194   | 9596   |      | 438   | 1163  | 3727   | 2751   | 28.3   | 28.7 | 48.6   | 36.2 |
| 3231 Lainers and leather finishing               | 1490   | 3864   | 9255   | 9437   |      | 413   | 1023  | 3660   | 2666   | 27.7   | 28.3 | 47.7   | 36.9 |
| 3232 Fur dressing and dyeing industries          |  |        |        |        |      |   |       |        |        |  |      |  |      |
| 3233 leather goods excl. wearing apparel         | 55   | 376    | 139    | 159    |      | 25  | 140   | 67     | 86     | 45.6   | 63.5 | 64.0   | 46.9 |
| 324 Footwear, except rubber or plastic           | 1460   | 5015   | 8648   | 13004  |      | 509   | 1686  | 2728   | 4268   | 36.1   | 32.0 | 56.8   | 49.6 |
| 331 Wood products, except furniture              | 3862   | 16012  | 22530  | 36829  |      | 1223  | 5909  | 7653   | 12238  | 33.4   | 34.2 | 66.6   | 44.1 |
| 3311 Sawmills, planing and other wood mills      | 3603   | 14843  | 22075  | 35385  |      | 1191  | 6786  | 7486   | 12113  | 33.1   | 34.2 | 66.9   | 43.9 |
| 3312 wooden and cane containers                  |  | 23     | 22     | 20     |      |   | 16    | 13     | 8      |  |      |  |      |
| 3319 Other wood and cane products                | 59   | 346    | 433    | 424    |      | 32  | 128   | 154    | 117    | 64.2   | 27.6 | 63.1   | 67.4 |
| 332 Furniture and fixtures, excl. metal          | 3179   | 9169   | 16705  | 21821  |      | 1629  | 3362  | 6106   | 7188   | 51.2   | 32.9 | 41.9   | 68.9 |
| 341 Paper and products                           | 13122  | 52103  | 96411  | 175172 |      | 2866  | 9212  | 19667  | 26492  | 21.8   | 16.1 | 39.2   | 36.0 |
| 3411 Pulp, paper and paperboard articles         | 4089   | 14269  | 30005  | 40823  |      | 4673  | 4386  | 4673   | 12678  | 32.8   | 31.1 | 40.1   | 32.6 |
| 3412 Containers of paper and paperboard          | 848  | 36756  | 61993  | 129408 |      | 1391  | 9639  | 12776  | 12776  | 16.4   | 9.8  | 38.5   | 38.9 |
| 3419 Other pulp, paper and paperboard articles   | 568  | 1578   | 4413   | 4941   |      | 122   | 444   | 1346   | 1056   | 21.5   | 21.4 | 37.7   | 41.1 |
| 342 Printing and publishing                      | 5926   | 26551  | 41367  | 66780  |      | 1427  | 9341  | 13796  | 20569  | 24.1   | 30.8 | 46.2   |      |
| 351 Industrial chemicals                         | 7570   | 30143  | 39749  | 50776  |      | 2206  | 9166  | 11707  | 13412  | 29.1   | 26.7 | 33.1   | 43.6 |
| 3511 Basic chemicals, excl. fertilizers          | 1994   | 12347  | 14857  | 21652  |      | 573   | 4336  | 4701   | 6192   | 7.6  | 26.6 | 37.1   | 36.2 |
| 3512 Fertilizers and pesticides                  | 3664   | 6758   | 7290   | 9266   |      | 842   | 1093  | 966    | 1892   | 25.8   | 27.3 | 40.6   | 70.3 |
| 3513 Synthetic resins and plastic materials      | 2310   | 11043  | 17602  | 21691  |      | 841   | 3738  | 6040   | 6328   | 36.4   | 24.6 | 23.1   | 43.6 |
| 352 Other chemicals                              | 15285  | 63133  | 117790 | 181808 |      | 1856  | 16076 | 39032  | 57878  | 12.1   | 31.8 | 33.9   | 33.9 |
| 3521 Paints, varnishes and lacquers              | 2810   | 12180  | 19396  | 30158  |      | 2781  | 3179  | 3179   | 6146   | 27.3   | 20.4 | 36.4   | 44.3 |
| 3522 Drugs and medicines                         | 2815   | 21387  | 36034  | 46702  |      | 1649  | 10746 | 14610  | 6410   | 14.0   | 14.0 | 36.0   | 12.6 |
| 3523 Soap, cleaning preparations, cosmetics      | 7149   | 24474  | 54657  | 94080  |      | 1820  | 6723  | 22690  | 41667  | 25.6   | 44.2 | 42.6   | 49.9 |
| 3529 Other chemical products                     | 1741   | 5092   | 7703   | 11868  |      | 706   | 1831  | 2417   | 3706   | 40.6   | 31.2 | 42.6   | 49.9 |
| 353 Petroleum refineries                         | 14869  | 96668  | 130672 | 431224 |      | 2629  | 10603 | 8074   | 28714  | 17.7   | 6.7  | 42.2   | 21.9 |

|   |        |         |         |         |       |        |        |        |      |      |      |      |
|---|--------|---------|---------|---------|-------|--------|--------|--------|------|------|------|------|
| 354 Misc. petroleum and coal products           | 3198   | 9476    | 12921   | 17601   | 976   | 3784   | 3871   | 2990   | 30 5 | 17 0 | 19 4 | 49 4 |
| 355 Rubber products                             | 6098   | 16397   | 33422   | 40103   | 1990  | 3232   | 7429   | 13163  | 32 6 | 32 8 | 40 1 | 56 9 |
| 3551 Tyres and tubes                            | 4780   | 12124   | 26809   | 29121   | 1456  | 1683   | 5267   | 9221   | 30 4 | 31 7 | 41 6 | 63 6 |
| 3559 Other rubber products                      | 1318   | 4273    | 6613    | 10982   | 536   | 1549   | 2162   | 3942   | 40 6 | 36 9 | 36 3 | 38 3 |
| 356 Plastic products                            | 11050  | 46578   | 69536   | 101883  | 3944  | 12608  | 18127  | 32242  | 35 7 | 31 6 | 37 2 | 31 6 |
| 361 Pottery, china, earthenware                 | 1615   | 6568    | 9484    | 13571   | 1058  | 3006   | 3734   | 5407   | 65 5 | 39 8 | 33 1 | 43 6 |
| 362 Glass and products                          | 1938   | 7334    | 12311   | 17120   | 1049  | 3319   | 4446   | 6207   | 54 1 | 36 3 | 24 5 | 26 2 |
| 369 Other non-metallic mineral products         | 16025  | 48706   | 71457   | 120011  | 6993  | 21616  | 28896  | 46827  | 43 6 | 38 2 | 32 6 | 34 8 |
| 3691 Structural clay products                   | 726    | 2616    | 3859    | 5416    | 320   | 762    | 1101   | 824    | 44 1 | 15 2 | 34 7 | 78 6 |
| 3692 Cement, lime and plaster                   | 9206   | 25664   | 40606   | 74034   | 4162  | 11416  | 16512  | 28721  | 45 1 | 38 8 | 27 1 | 29 0 |
| 3699 Other non-metallic mineral products        | 6093   | 20426   | 26992   | 40561   | 2621  | 9438   | 12283  | 16282  | 41 4 | 40 1 | 41 5 | 42 9 |
| 371 Iron and steel                              | 9687   | 36783   | 61024   | 82123   | 3874  | 6353   | 10107  | 14249  | 39 2 | 17 4 | 16 6 | 36 7 |
| 372 Non ferrous metals                          | 2431   | 8189    | 11707   | 18599   | 728   | 1833   | 1663   | 1901   | 29 9 | 10 2 | 26 4 | 56 0 |
| 381 Fabricated metal products                   | 15166  | 50719   | 74268   | 114117  | 5455  | 15777  | 21916  | 33686  | 35 0 | 29 5 | 41 2 | 42 1 |
| 3811 Cutlery, hand tools and general hardware   | 559    | 2496    | 3697    | 4619    | 249   | 950    | 1795   | 1940   | 44 5 | 42 0 | 44 6 | 40 6 |
| 3812 Furniture and fixtures primarily of metal  | 1138   | 3174    | 4543    | 6350    | 421   | 983    | 1296   | 1794   | 37 0 | 28 3 | 43 7 | 76 7 |
| 3813 Structural metal products                  | 3703   | 10656   | 11197   | 15431   | 1113  | 3542   | 3701   | 5281   | 30 1 | 34 2 | 55 9 | 52 2 |
| 3819 Other fabricated metal products            | 9766   | 34393   | 54831   | 87717   | 3672  | 10302  | 15125  | 24571  | 37 6 | 28 1 | 36 3 | 37 6 |
| 382 Non electrical machinery                    | 1228   | 2833    | 4108    | 7400    | 497   | 1102   | 1473   | 2179   | 40 5 | 29 4 | 45 1 | 50 5 |
| 3821 Engines and turbines                       | 22     | 28      | 35      | 55      | 5     | 10     | 25     | 39     | 22 7 | 70 9 | 80 0 | 71 8 |
| 3822 Agricultural machinery and equipment       | 68     | 233     | 372     | 459     | 28    | 101    | 146    | 120    | 41 2 | 26 1 | 63 6 | 63 3 |
| 3823 Metal and wood working machinery           | 249    | 492     | 696     | 1132    | 166   | 196    | 307    | 489    | 66 7 | 43 2 | 30 1 | 60 3 |
| 3824 Other special industrial machinery         | 81     | 104     | 105     | 245     | 25    | 47     | 44     | 91     | 30 9 | 37 1 | 36 0 | 61 6 |
| 3825 Office, computing and accounting machinery | -      | -       | -       | -       | -     | -      | -      | -      | -    | -    | -    | -    |
| 3829 Other non electrical machinery & equipment | 808    | 1976    | 2900    | 5509    | 273   | 748    | 951    | 1440   | 33 8 | 26 1 | 53 5 | 45 4 |
| 383 Electrical machinery                        | 11598  | 39556   | 56623   | 85985   | 4034  | 14809  | 18729  | 24844  | 34 8 | 28 9 | 37 4 | 36 4 |
| 3831 Electrical industrial machinery            | 439    | 2005    | 4171    | 7422    | 169   | 831    | 1659   | 2208   | 38 5 | 29 7 | 36 7 | 29 9 |
| 3832 Radio, television and communication equipm | 2302   | 5881    | 9243    | 18579   | 616   | 1890   | 2257   | 4083   | 26 8 | 22 0 | 37 3 | 33 7 |
| 3833 Electrical appliances and housewares       | 4322   | 10999   | 13968   | 19126   | 1556  | 2888   | 3326   | 5167   | 36 0 | 27 0 | 35 5 | 44 8 |
| 3839 Other electrical apparatus and supplies    | 4535   | 20671   | 29241   | 40858   | 1693  | 9200   | 9487   | 13386  | 37 3 | 32 8 | 39 1 | 36 0 |
| 384 Transport equipment                         | 7306   | 42803   | 72977   | 111134  | 1571  | 5467   | 8889   | 16736  | 21 5 | 15 1 | 32 7 | 29 7 |
| 3841 Shipbuilding and repairing                 | -      | -       | 292     | 764     | -     | -      | 59     | 194    | -    | 25 4 | -    | 74 7 |
| 3842 Railroad equipment                         | -      | -       | -       | -       | -     | -      | -      | -      | -    | -    | -    | -    |
| 3843 Motor vehicles                             | 7218   | 42289   | 72157   | 109718  | 1525  | 5348   | 8687   | 16342  | 21 1 | 14 9 | 31 9 | 29 1 |
| 3844 Motorcycles and bicycles                   | 68     | 289     | 129     | -       | 29    | 10     | 19     | -      | 42 6 | -    | 37 9 | -    |
| 3845 Aircraft                                   | -      | -       | -       | -       | -     | -      | -      | -      | -    | -    | -    | -    |
| 3849 Other transport equipment                  | 20     | 225     | 399     | 652     | 17    | 109    | 124    | 200    | 85 0 | 30 7 | 47 1 | 34 0 |
| 385 Professional and scientific equipment       | 1461   | 5587    | 6832    | 9127    | 600   | 2063   | 1828   | 2226   | 41 1 | 24 4 | 48 5 | 81 0 |
| 3851 Prof. and scientific equipment n.e.c.      | 1454   | 5497    | 6716    | 8841    | 596   | 2020   | 1744   | 2070   | 41 0 | 23 4 | 48 5 | 83 7 |
| 3852 Photographic and optical goods             | 7      | 90      | 116     | 286     | 4     | 43     | 84     | 156    | 57 1 | 54 5 | 60 0 | 44 9 |
| 3853 Watches and clocks                         | -      | -       | -       | -       | -     | -      | -      | -      | -    | -    | -    | -    |
| 390 Other manufacturing industries              | 985    | 3547    | 4580    | 7958    | 318   | 1565   | 1822   | 2683   | 32 3 | 33 7 | 54 5 | 39 8 |
| 3901 Jewellery and related articles             | 366    | 735     | 1068    | 2294    | 122   | 313    | 476    | 873    | 33 3 | 38 1 | 60 8 | 40 2 |
| 3902 Musical instruments                        | -      | -       | -       | -       | -     | -      | -      | -      | -    | -    | -    | -    |
| 3903 Sporting and athletic goods                | 95     | 164     | 216     | 545     | 48    | 100    | 119    | 288    | 60 5 | 52 8 | 41 7 | 30 9 |
| 3909 Manufacturing industries, n.e.c.           | 524    | 2648    | 3296    | 5119    | 148   | 1152   | 1227   | 1522   | 28 2 | 29 7 | 83 1 | 41 3 |
| J Total manufacturing                           | 304612 | 1126833 | 1802147 | 3020686 | 87544 | 306272 | 448959 | 660037 | 28 7 | 21 9 | 41 5 | 38 9 |

## Ecuador

|   | Gross fixed capital formation |       |        |        |        |      |      |      |      |      | Index numbers of industrial production |      |      |      |      |  |  |  |  |  |
|---|-------------------------------|-------|--------|--------|--------|------|------|------|------|------|--|------|------|------|------|--|--|--|--|--|
|   | (million SUCHES)              |       |        |        |        |      |      |      |      |      | (1980=100)                             |      |      |      |      |  |  |  |  |  |
|   | Note                          | 1985  | 1988   | 1989   | 1990   | Note | 1984 | 1985 | 1986 | 1987 | 1988                                   | 1989 | 1990 | 1991 | 1992 |  |  |  |  |  |
| ISIC Industry                             |                               |       |        |        |        |      |      |      |      |      |  |      |      |      |      |  |  |  |  |  |
| 311 Food products                         |                               | 9331  | 3246   | 54593  | 80488  |      | 91   | 97   | 100  | 105  | 104                                    | 107  | 113  | 123  | 123  |  |  |  |  |  |
| 313 Beverages                             |                               | 2305  | 5805   | 8472   | 12899  |      | 94   | 91   | 92   | 99   | 99                                     | 99   | 104  | 118  | 119  |  |  |  |  |  |
| 314 Tobacco                               |                               | 330   | 1602   | 3376   | 4933   |      | 93   | 104  | 98   | 91   | 81                                     | 81   | 76   | 74   | 76   |  |  |  |  |  |
| 321 Textiles                              |                               | 3515  | 18751  | 23575  | 41986  |      | 94   | 98   | 95   | 91   | 94                                     | 96   | 100  | 100  | 89   |  |  |  |  |  |
| 322 Wearing apparel, except footwear      |                               | 285   | 681    | 3420   | 5248   |      | 97   | 98   | 95   | 91   | 94                                     | 96   | 100  | 100  | 89   |  |  |  |  |  |
| 323 Leather and fur products              |                               | 239   | 738    | 1927   | 2180   |      | 107  | 112  | 104  | 106  | 107                                    | 109  | 110  | 122  | 107  |  |  |  |  |  |
| 324 Footwear, except rubber or plastic    |                               | 243   | 596    | 1367   | 1418   |      | 122  | 126  | 139  | 146  | 148                                    | 153  | 172  | 193  | 276  |  |  |  |  |  |
| 331 Wood products, except furniture       |                               | 388   | 2394   | 3193   | 8725   |      | 65   | 72   | 84   | 87   | 89                                     | 98   | 107  | 123  | 117  |  |  |  |  |  |
| 332 Furniture and fixtures, excl. metal   |                               | 209   | 2636   | 1478   | 3080   |      | 138  | 143  | 163  | 181  | 204                                    | 236  | 260  | 319  | 367  |  |  |  |  |  |
| 341 Paper and products                    |                               | 943   | 7543   | 8789   | 17042  |      | 126  | 132  | 131  | 126  | 126                                    | 126  | 134  | 162  | 171  |  |  |  |  |  |
| 342 Printing and publishing               |                               | 412   | 4146   | 3238   | 6167   |      | 125  | 125  | 131  | 126  | 126                                    | 126  | 134  | 162  | 171  |  |  |  |  |  |
| 351 Industrial chemicals                  |                               | 767   | 2898   | 4623   | 4855   |      | 125  | 132  | 131  | 126  | 126                                    | 126  | 134  | 162  | 171  |  |  |  |  |  |
| 352 Other chemicals                       |                               | 2514  | 7657   | 15774  | 18671  |      | 108  | 117  | 126  | 128  | 134                                    | 130  | 151  | 167  | 171  |  |  |  |  |  |
| 353 Petroleum refineries                  |                               | 1813  | 4209   | 4601   | 74220  |      | 108  | 117  | 126  | 128  | 134                                    | 130  | 151  | 167  | 197  |  |  |  |  |  |
| 354 Misc. petroleum and coal products     |                               | 138   | 996    | 2540   | 4124   |      | 136  | 148  | 159  | 162  | 170                                    | 164  | 191  | 249  | 249  |  |  |  |  |  |
| 355 Rubber products                       |                               | 419   | 2556   | 5678   | 2269   |      | 136  | 148  | 159  | 162  | 170                                    | 164  | 191  | 249  | 249  |  |  |  |  |  |
| 356 Plastic products                      |                               | 1578  | 10212  | 10973  | 19232  |      | 136  | 148  | 159  | 162  | 170                                    | 164  | 191  | 249  | 249  |  |  |  |  |  |
| 361 Pottery, china, earthenware           |                               | 328   | 1924   | 2799   | 1805   |      | 113  | 118  | 119  | 143  | 163                                    | 149  | 158  | 172  | 184  |  |  |  |  |  |
| 362 Glass and products                    |                               | 192   | 1110   | 2005   | 2722   |      | 113  | 118  | 119  | 143  | 163                                    | 148  | 158  | 172  | 184  |  |  |  |  |  |
| 369 Other non-metallic mineral products   |                               | 2605  | 9875   | 12633  | 21500  |      | 163  | 175  | 169  | 172  | 172                                    | 148  | 160  | 163  | 212  |  |  |  |  |  |
| 371 Iron and steel                        |                               | 244   | 8659   | 10863  | 2911   |      | 187  | 150  | 142  | 129  | 146                                    | 129  | 132  | 167  | 167  |  |  |  |  |  |
| 372 Non-ferrous metals                    |                               | 352   | 1234   | 2781   |        |      |      |      |      |      |  |      |      |      |      |  |  |  |  |  |
| 391 Fabricated metal products             |                               | 1938  | 10323  | 12300  | 15556  |      | 113  | 122  | 135  | 137  | 144                                    | 144  | 150  | 171  | 700  |  |  |  |  |  |
| 382 Non-electrical machinery              |                               | 49    | 521    | 787    | 1152   |      | 81   | 101  | 111  | 127  | 133                                    | 121  | 132  | 166  | 181  |  |  |  |  |  |
| 383 Electrical machinery                  |                               | 988   | 8351   | 7964   | 8603   |      | 164  | 197  | 225  | 167  | 220                                    | 369  | 399  | 491  | 535  |  |  |  |  |  |
| 384 Transport equipment                   |                               | 386   | 6594   | 4214   | 8422   |      |      |      |      |      |  |      |      |      |      |  |  |  |  |  |
| 385 Professional and scientific equipment |                               | 139   | 395    | 1009   | 1100   |      |      |      |      |      |  |      |      |      |      |  |  |  |  |  |
| 390 Other manufacturing industries        |                               | 55    | 369    | 713    | 923    |      | 81   | 79   | 77   | 66   | 71                                     | 117  | 163  | 147  | 189  |  |  |  |  |  |
| J Total manufacturing                     |                               | 32490 | 160171 | 215337 | 373740 |      | 105  | 110  | 112  | 114  | 117                                    | 119  | 128  | 144  | 150  |  |  |  |  |  |

## EGYPT

**Supplier of information:**

Central Agency for Public Mobilisation and Statistics (CAPMAS), Cairo.

**Basic source of data:**

Survey of industrial production.

**Major deviations from current version of ISIC:**

The data are based on the national classification scheme, which follows the preceding version of the ISIC. They have been adjusted by the national statistical authority to represent the present version as far as details permit.

**Reference period (if not calendar year):**

Fiscal year beginning 1 July of the year indicated.

**Scope:**

The data cover all establishments in the public sector and establishments with 10 or more persons engaged in the private sector.

The indices of industrial production cover all industrial establishments.

**Method of enumeration:**

Individual site visits by government enumerators.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Output refers to gross output.

Value added is net of depreciation.

**Related national publications:**

Statistics of Industrial Production (irregular); Basic Statistics (irregular); Statistical Handbook (annual), all published by the Central Agency for Public Mobilisation and Statistics, Cairo.

## Egypt

| ISIC Industry                                    | Note | Number of establishments<br>(numbers) |      |      |      | Note | Number of employees<br>(thousands) |       |       |       | Note | Wages and salaries paid<br>to employees<br>(million POUNDS) |       |       |       |
|--|------|---------------------------------------|------|------|------|------|------------------------------------|-------|-------|-------|------|---|-------|-------|-------|
|  |      | 1985                                  | 1987 | 1988 | 1989 |      | 1985                               | 1987  | 1988  | 1989  |      | 1985  | 1987  | 1988  | 1989  |
| 311/2 Food Products                              |      | 2557                                  | 3166 | 3309 | 3769 |      | 148 2                              | 173 7 | 175 7 | 188 9 |      | 313 2   | 442 6 | 491 1 | 687 0 |
| 3111 Slaughtering, preparing & preserving meat   |      | 16                                    | 22   | 25   | 33   |      | 2 4                                | 4 6   | 4 5   | 4 6   |      | 6 6   | 13 6  | 14 9  | 11 2  |
| 3112 Dairy products                              |      | 25                                    | 30   | 29   | 34   |      | 7 5                                | 8 0   | 7 5   | 8 8   |      | 18 9  | 32 2  | 19 9  | 29 0  |
| 3113 Canning, preserving of fruits & vegetables  |      | 38                                    | 50   | 47   | 50   |      | 11 2                               | 15 5  | 15 9  | 8 5   |      | 20 2  | 31 2  | 37 5  | 19 4  |
| 3114 Canning, preserving and processing of fish  |      | 5                                     | 5    | 5    | 7    |      | 2 2                                | 2 0   | 1 2   | 1 6   |      | 3 6   | 4 9   | 3 3   | 5 1   |
| 3115 Vegetable and animal oils and fats          |      | 22                                    | 25   | 31   | 35   |      | 10 1                               | 11 9  | 9 8   | 16 3  |      | 19 6  | 30 4  | 28 0  | 53 7  |
| 3116 Grain mill products                         |      | 209                                   | 216  | 219  | 246  |      | 25 5                               | 31 2  | 32 3  | 34 0  |      | 65 2  | 92 7  | 113 9 | 136 1 |
| 3117 Bakery products                             |      | 2008                                  | 2487 | 2628 | 3010 |      | 46 7                               | 55 1  | 57 2  | 64 4  |      | 83 8  | 108 8 | 137 4 | 170 4 |
| 3118 Sugar factories and refineries              |      | 8                                     | 10   | 10   | 11   |      | 16 7                               | 18 1  | 15 7  | 16 6  |      | 43 4  | 69 2  | 53 8  | 67 9  |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 63                                    | 95   | 105  | 93   |      | 6 7                                | 10 1  | 9 8   | 11 4  |      | 12 4  | 21 0  | 27 4  | 23 4  |
| 3121 Other food products                         |      | 130                                   | 182  | 162  | 197  |      | 8 7                                | 9 6   | 12 1  | 11 3  |      | 17 3  | 31 1  | 32 3  | 34 3  |
| 3122 Prepared animal feeds                       |      | 33                                    | 44   | 48   | 53   |      | 10 7                               | 7 4   | 9 7   | 11 4  |      | 21 9  | 17 5  | 22 8  | 36 5  |
| 313 Beverages                                    |      | 50                                    | 50   | 46   | 49   |      | 21 1                               | 21 6  | 22 1  | 19 3  |      | 42 1  | 56 5  | 57 3  | 62 9  |
| 3131 Distilling, rectifying and blending spirits | a/   | 9                                     | 9    | 7    | 8    | a/   | 4 2                                | 2 8   | 2 7   | 2 4   |      | 5 6   | 8 0   | 9 3   | 10 1  |
| 3132 Wine industries                             | a/   |                                       |      |      |      | a/   |                                    |       |       |       |      |   |       |       |       |
| 3133 Malt liquors and malt                       |      | 2                                     | 3    | 2    | 4    |      | 1 1                                | 2 2   | 2 2   | 2 7   |      | 3 6   | 6 8   | 7 0   | 9 5   |
| 3134 Soft drinks and carbonated waters           |      | 39                                    | 38   | 37   | 36   |      | 15 8                               | 16 6  | 17 2  | 14 7  |      | 32 9  | 40 7  | 41 0  | 43 3  |
| 314 Tobacco                                      |      | 23                                    | 26   | 29   | 33   |      | 16 4                               | 16 6  | 17 0  | 17 6  |      | 46 4  | 61 4  | 67 5  | 75 1  |
| 321 Textiles                                     |      | 669                                   | 834  | 842  | 903  |      | 256 7                              | 261 2 | 259 0 | 265 2 |      | 485 0   | 621 1 | 712 6 | 779 6 |
| 3211 Spinning, weaving and finishing textiles    |      | 449                                   | 557  | 571  | 636  |      | 230 0                              | 238 0 | 227 9 | 243 5 |      | 437 7   | 672 1 | 635 3 | 721 3 |
| 3212 Made-up textile goods excl wearing apparel  |      | 60                                    | 52   | 50   | 32   |      | 1 9                                | 1 6   | 2 7   | 1 2   |      | 2 6   | 3 8   | 6 2   | 4 2   |
| 3213 Knitting mills                              |      | 108                                   | 163  | 155  | 169  |      | 15 1                               | 17 9  | 16 0  | 12 4  |      | 25 7  | 36 0  | 36 9  | 29 8  |
| 3214 Carpets and rugs                            |      | 32                                    | 35   | 32   | 35   |      | 6 9                                | 2 5   | 6 6   | 6 5   |      | 11 9  | 7 2   | 16 7  | 18 5  |
| 3215 Cordage, rope and twine                     |      | 4                                     | 3    | 6    | 3    |      | 2 6                                | 0 9   | 5 1   | 0 9   |      | 5 7   | 2 4   | 18 2  | 4 2   |
| 3219 Other textiles                              |      | 16                                    | 24   | 28   | 28   |      | 0 3                                | 0 4   | 0 7   | 0 8   |      | 0 4   | 0 6   | 1 2   | 1 6   |
| 322 Wearing apparel, except footwear             |      | 147                                   | 304  | 350  | 318  |      | 8 1                                | 13 0  | 16 0  | 21 5  |      | 9 5   | 20 5  | 29 0  | 41 1  |
| 323 Leather and fur products                     |      | 35                                    | 67   | 49   | 52   |      | 3 3                                | 3 9   | 3 4   | 3 1   |      | 7 3   | 10 2  | 10 2  | 11 2  |
| 3231 Tanneries and leather finishing             |      | 25b/                                  | 41b/ | 28   | 25   |      | 3 1b/                              | 3 3b/ | 3 0b/ | 2 3   |      | 7 0b/   | 9 4b/ | 9 6b/ | 9 1   |
| 3232 Fur dressing and dyeing industries          |      | b/                                    | b/   | 7    | 7    |      | b/                                 | b/    | b/    | 0 2   |      | b/  | b/    | b/    | 0 6   |
| 3233 Leather prods excl wearing apparel          |      | 10                                    | 26   | 21   | 20   |      | 0 2                                | 0 5   | 0 5   | 0 6   |      | 0 3   | 0 8   | 0 7   | 1 4   |
| 324 Footwear, except rubber or plastic           |      | 74                                    | 110  | 94   | 85   |      | 7 6                                | 9 7   | 9 6   | 12 0  |      | 15 3  | 21 9  | 24 3  | 12 7  |
| 331 Wood products, except furniture              |      | 80                                    | 106  | 101  | 92   |      | 8 2                                | 9 4   | 7 8   | 7 8   |      | 19 0  | 25 9  | 23 8  | 24 4  |
| 3311 Sawmills, planing and other wood mills      |      | 72                                    | 99   | 95   | 84   |      | 8 1                                | 9 3   | 7 7   | 7 6   |      | 18 9  | 25 8  | 23 6  | 23 7  |
| 3312 Wooden and cane containers                  |      | 1                                     | 3    | 1    | 2    |      |                                    |       |       | 0 2   |      |   | 0 1   |       | 0 6   |
| 3319 Other wood and cork products                |      | 7                                     | 4    | 5    | 6    |      | 0 1                                |       | 0 1   | 0 1   |      | 0 1   | 0 1   | 0 1   | 0 1   |
| 332 Furniture and fixtures, excl metal           |      | 68                                    | 114  | 109  | 117  |      | 5 0                                | 8 7   | 8 7   | 6 0   |      | 12 5  | 23 3  | 26 8  | 15 8  |
| 341 Paper and products                           |      | 59                                    | 92   | 86   | 90   |      | 27 7                               | 14 6  | 14 6  | 17 9  |      | 62 5  | 39 0  | 43 6  | 64 6  |
| 3411 Pulp, paper and paperboard articles         |      | 16                                    | 25   | 33   | 27   |      | 21 8                               | 8 9   | 9 1   | 11 0  |      | 47 1  | 24 9  | 27 6  | 41 1  |
| 3412 Containers of paper and paperboard          |      | 33                                    | 54   | 36   | 47   |      | 1 7                                | 2 0   | 1 7   | 3 2   |      | 5 3   | 3 9   | 3 9   | 10 1  |
| 3419 Other pulp, paper and paperboard articles   |      | 10                                    | 13   | 17   | 16   |      | 4 2                                | 3 7   | 3 8   | 3 7   |      | 10 0  | 10 2  | 12 2  | 13 4  |
| 342 Printing and publishing                      |      | 133                                   | 152  | 149  | 152  |      | 23 2                               | 20 4  | 22 3  | 17 9  |      | 64 1  | 78 3  | 100 9 | 108 5 |
| 351 Industrial chemicals                         |      | 46                                    | 39   | 39   | 46   |      | 52 2                               | 42 3  | 39 9  | 45 5  |      | 118 5   | 144 4 | 155 9 | 206 7 |
| 3511 Basic chemicals excl fertilizers            |      | 27                                    | 20   | 21   | 20   |      | 24 9                               | 15 8  | 16 3  | 12 8  |      | 37 8  | 54 0  | 60 8  | 57 6  |
| 3512 Fertilizers and pesticides                  |      | 10                                    | 9    | 13   | 17   |      | 16 5                               | 14 2  | 14 2  | 22 0  |      | 57 4  | 57 5  | 63 0  | 108 4 |
| 3513 Synthetic resins and plastic materials      |      | 9                                     | 10   | 5    | 9    |      | 10 8                               | 12 3  | 9 5   | 10 8  |      | 23 3  | 32 9  | 32 1  | 40 7  |
| 352 Other chemicals                              |      | 117                                   | 158  | 155  | 154  |      | 42 6                               | 49 0  | 48 7  | 45 2  |      | 126 0   | 170 5 | 191 7 | 221 5 |
| 3521 Paints, varnishes and lacquers              |      | 18                                    | 25   | 24   | 32   |      | 1 7                                | 4 4   | 2 1   | 2 3   |      | 4 9   | 15 8  | 7 7   | 10 9  |
| 3522 Drugs and medicines                         |      | 17                                    | 15   | 16   | 20   |      | 23 8                               | 20 0  | 19 8  | 23 4  |      | 83 1  | 90 0  | 109 3 | 137 9 |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 56                                    | 78   | 78   | 71   |      | 12 1                               | 18 3  | 20 9  | 13 5  |      | 25 7  | 46 4  | 55 5  | 48 1  |
| 3529 Other chemical products                     |      | 26                                    | 40   | 37   | 31   |      | 5 0                                | 6 3   | 5 9   | 6 1   |      | 12 2  | 18 3  | 19 2  | 24 5  |
| 353 Petroleum refineries                         |      | 4                                     | 5    | 6    | 8    |      | 11 8                               | 12 2  | 15 6  | 17 0  |      | 56 0  | 75 4  | 116 2 | 140 4 |

|   |      |      |      |      |       |       |        |        |        |        |        |        |
|---|------|------|------|------|-------|-------|--------|--------|--------|--------|--------|--------|
| 354 Misc petroleum and coal products            | 11   | 11   | 13   | 20   | 6 4   | 6 5   | 6 6    | 6 6    | 19 9   | 24 6   | 29 5   | 35 0   |
| 355 Rubber products                             | 13   | 28   | 31   | 29   | 6 9   | 6 4   | 6 5    | 7 2    | 16 7   | 20 0   | 24 6   | 32 2   |
| 3551 Tyres and tubes                            | 5    | 3    | 4    | 1    | 3 6   | 3 5   | 3 6    | 3 6    | 11 2   | 12 9   | 15 9   | 19 8   |
| 3559 Other rubber products                      | 8    | 25   | 27   | 28   | 2 3   | 2 9   | 3 0    | 3 6    | 5 4    | 7 1    | 8 7    | 12 5   |
| 356 Plastic products                            | 109  | 180  | 206  | 224  | 16 7  | 15 9  | 16 8   | 18 5   | 41 0   | 46 2   | 55 5   | 68 8   |
| 361 Pottery, china, earthenware                 | 13   | 14   | 23   | 17   | 4 0   | 6 2   | 8 4    | 8 4    | 7 8    | 14 0   | 26 2   | 29 4   |
| 362 Glass and products                          | 56   | 72   | 76   | 69   | 12 2  | 13 7  | 14 1   | 13 6   | 25 7   | 38 3   | 39 4   | 47 9   |
| 369 Other non-metallic mineral products         | 530  | 364  | 366  | 448  | 40 3  | 40 1  | 41 5   | 45 9   | 99 3   | 134 3  | 155 0  | 177 1  |
| 3691 Structural clay products                   | 378  | 123  | 138  | 221  | 16 5  | 9 7   | 11 1   | 13 5   | 28 3   | 25 3   | 30 7   | 41 0   |
| 3692 Cement, lime and plaster                   | 7    | 11   | 10   | 9    | 11 8  | 14 6  | 14 3   | 15 8   | 41 3   | 63 8   | 70 3   | 77 5   |
| 3699 Other non-metallic mineral products        | 145  | 230  | 218  | 218  | 12 0  | 15 8  | 16 1   | 16 6   | 29 8   | 45 2   | 54 0   | 68 6   |
| 371 Iron and steel                              | 63   | 78   | 91   | 106  | 45 7  | 44 8  | 45 8   | 49 9   | 113 9  | 147 2  | 179 5  | 243 6  |
| 372 Non-ferrous metals                          | 72   | 20   | 28   | 26   | 25 1  | 26 7  | 26 6   | 20 4   | 73 6   | 98 9   | 118 3  | 101 0  |
| 381 Fabricated metal products                   | 318  | 421  | 427  | 448  | 33 7  | 40 8  | 36 8   | 45 8   | 81 5   | 119 7  | 119 0  | 172 1  |
| 3811 Cutlery, hand tools and general hardware   | 36   | 44   | 42   | 38   | 4 4   | 4 9   | 4 4    | 4 3    | 10 5   | 12 1   | 12 1   | 12 9   |
| 3812 Furniture and fixtures primarily of metal  | 28   | 33   | 40   | 49   | 4 1   | 4 1   | 4 2    | 4 6    | 14 7   | 18 7   | 10 9   | 17 6   |
| 3813 Structural metal products                  | 40   | 54   | 58   | 48   | 10 0  | 11 9  | 10 3   | 8 7    | 22 8   | 32 4   | 36 2   | 33 5   |
| 3819 Other fabricated metal products            | 214  | 290  | 287  | 313  | 15 2  | 19 9  | 17 8   | 28 1   | 33 5   | 55 5   | 60 9   | 108 1  |
| 382 Non-electrical machinery                    | 81   | 126  | 150  | 174  | 20 3  | 31 4  | 38 2   | 38 0   | 67 6   | 120 2  | 173 7  | 168 9  |
| 3821 Engines and turbines                       | 3    | 2    | 2    | 2    | 2 6   | 3 1   | 3 1    | 3 1    | 7 4    | 14 8   | 19 4   | 19 8   |
| 3822 Agricultural machinery and equipment       | 23   | 23   | 24   | 27   | 3 1   | 3 8   | 5 5    | 2 7    | 7 5    | 24 7   | 29 8   | 9 4    |
| 3823 Metal and wood working machinery           | 2    | 4    | 4    | 5    | 2 0   | 2 2   | 2 5    | 2 6    | 4 6    | 5 1    | 8 0    | 8 3    |
| 3824 Other special industrial machinery         | 9    | 30   | 32   | 40   | 1 8   | 4 0   | 5 3    | 5 3    | 4 8    | 15 4   | 21 5   | 33 9   |
| 3825 Office, computing and accounting machinery | 4    | 2    | 4    | 9    | 0 2   | -     | 0 5    | 0 2    | 0 7    | 0 1    | 3 3    | 2 9    |
| 3829 Other non-electrical machinery & equipment | 40   | 65   | 84   | 91   | 10 5  | 18 3  | 21 1   | 24 1   | 42 4   | 60 1   | 91 7   | 94 5   |
| 383 Electrical machinery                        | 88   | 59   | 76   | 77   | 23 2  | 27 1  | 29 0   | 33 7   | 68 2   | 98 2   | 123 8  | 155 3  |
| 3831 Electrical industrial machinery            | 6    | 6    | 12   | 19   | 1 1   | 1 3   | 2 4    | 5 5    | 3 4    | 5 8    | 24 8   | 32 2   |
| 3832 Radio, television and communication equipm | 49   | 8    | 8    | 9    | 8 7   | 9 4   | 8 3    | 11 1   | 25 9   | 28 8   | 29 7   | 58 3   |
| 3833 Electrical appliances and housewares       | 4    | 10   | 14   | 11   | 1 1   | 3 2   | 4 6    | 1 1    | 2 6    | 9 0    | 15 0   | 2 4    |
| 3839 Other electrical apparatus and supplies    | 29   | 35   | 42   | 38   | 12 3  | 13 2  | 13 6   | 15 1   | 36 3   | 54 5   | 54 2   | 62 4   |
| 384 Transport equipment                         | 29   | 104  | 109  | 126  | 33 7  | 52 0  | 77 2   | 69 3   | 105 6  | 169 4  | 201 1  | 223 0  |
| 3841 Shipbuilding and repairing                 | 14   | 20   | 17   | 17   | 13 0  | 13 3  | 14 0   | 13 0   | 33 5   | 39 2   | 50 7   | 55 2   |
| 3842 Railroad equipment                         | 1    | 1    | 2    | 1    | 2 8   | 2 9   | 4 3    | 2 8    | 11 6   | 13 6   | 20 8   | 15 3   |
| 3843 Motor vehicles                             | 12   | 80   | 87   | 98   | 14 7  | 32 9  | 56 0   | 49 8   | 54 0   | 107 1  | 117 0  | 139 4  |
| 3844 Motorcycles and bicycles                   | 1    | 3    | 3    | 3    | 3 1   | 2 9   | 2 9    | 3 1    | 7 4    | 9 5    | 12 7   | 13 1   |
| 3845 Aircraft                                   | -    | -    | -    | -    | -     | -     | -      | -      | -      | -      | -      | -      |
| 3849 Other transport equipment                  | 1    | -    | -    | 7    | -     | -     | -      | 0 6    | -      | -      | -      | -      |
| 385 Professional and scientific equipment       | 11   | 13   | 12   | 20   | 5 1   | 7 7   | 9 1    | 6 7    | 11 8   | 31 8   | 34 6   | 25 4   |
| 3851 Prof and scientific equipment n e c        | 6    | 8    | 9    | 11   | 4 8   | 7 7   | 8 8    | 6 3    | 11 0   | 31 7   | 33 8   | 23 6   |
| 3852 Photographic and optical goods             | 4    | 4    | 2    | 5    | 0 3   | 0 1   | 0 2    | 0 3    | 0 5    | 0 1    | 0 8    | 1 8    |
| 3853 Watches and clocks                         | 1    | 1    | 1    | 3    | -     | -     | -      | 0 1    | -      | -      | -      | 0 1    |
| 390 Other manufacturing industries              | 18   | 29   | 32   | 35   | 1 5   | 1 3   | 2 1    | 1 6    | 3 5    | 3 5    | 5 8    | 5 5    |
| 3901 Jewellery and related articles             | 5    | 10   | 7    | 10   | 0 1   | 0 2   | 0 1    | 0 2    | 0 2    | 0 4    | 0 5    | 1 2    |
| 3902 Musical instruments                        | -    | -    | -    | -    | -     | -     | -      | -      | -      | -      | -      | -      |
| 3903 Sporting and athletic goods                | -    | -    | -    | -    | -     | -     | -      | -      | -      | -      | -      | -      |
| 3909 Manufacturing industries, n e c            | 13   | 19   | 25   | 25   | 1 4   | 1 1   | 2 0    | 1 4    | 3 3    | 3 1    | 6 3    | 4 4    |
| 3 Total manufacturing                           | 5424 | 6742 | 7004 | 7686 | 906 8 | 976 9 | 1019 1 | 1050 7 | 2114 4 | 2855 1 | 3336 9 | 3827 7 |

a/ 3131 includes 3132

b/ 3231 includes 3232

Egypt

| ISIC Industry                                    | Note | Output in factor values<br>(million POUNDS) |        |        |        | Value added in factor values<br>(million POUNDS) |        |        |        | Share of value added in output<br>(percentage) | Share of wages and salaries in value added<br>(percentage) |      |      |
|--|------|---|--------|--------|--------|--|--------|--------|--------|--|--|------|------|
|  |      | 1985  | 1987   | 1988   | 1989   | 1985   | 1987   | 1988   | 1989   |  |  |      |      |
| 311.2 Food Products                              |      | 2407.8                                      | 3815.6 | 5839.9 | 7254.7 | 552.1  | 426.1  | 2007.3 | 1478.4 | 22.9   | 20.4   | 22.9 | 20.4 |
| 3111 Slaughtering, preparing & preserving meat   |      | 52.7  | 164.4  | 268.6  | 241.8  | 6.3  | 18.5   | 84.9   | 18.8   | 12.0   | 7.8  | 12.0 | 7.8  |
| 3112 Dairy products                              |      | 133.8                                       | 190.1  | 151.3  | 264.4  | 50.0   | 61.9   | -9.3   | 46.8   | 37.3   | 17.7   | 37.3 | 17.7 |
| 3113 Canning, preserving of fruits & vegetables  |      | 155.2                                       | 332.3  | 246.2  | 214.8  | 34.8   | 83.3   | 55.9   | 64.4   | 22.5   | 30.0   | 22.5 | 30.0 |
| 3114 Canning, preserving and processing of fish  |      | 42.9  | 57.4   | 33.0   | 47.0   | 12.8   | 19.1   | 7.4    | 8.6    | 29.8   | 18.3   | 29.8 | 18.3 |
| 3115 Vegetable and animal oils and fats          |      | 136.7                                       | 374.6  | 497.8  | 873.7  | 31.5   | 31.8   | 94.1   | 106.9  | 23.1   | 12.2   | 23.1 | 12.2 |
| 3116 Grain mill products                         |      | 564.9                                       | 829.2  | 1065.3 | 1808.2 | 111.5  | 258.8  | 384.2  | 263.0  | 19.7   | 20.1   | 19.7 | 20.1 |
| 3117 Bakery products                             |      | 459.2                                       | 586.5  | 886.7  | 1380.7 | 144.8  | 147.8  | 288.0  | 487.8  | 31.5   | 33.2   | 31.5 | 33.2 |
| 3118 Sugar factories and refineries              |      | 281.3                                       | 431.3  | 581.1  | 718.7  | 65.1   | 387.4  | 152.4  | 123.6  | 22.3   | 17.2   | 22.3 | 17.2 |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 121.0                                       | 178.5  | 232.1  | 210.5  | 21.0   | 41.9   | 39.9   | 60.5   | 17.3   | 22.4   | 17.3 | 22.4 |
| 3121 Other food products                         |      | 203.1                                       | 283.1  | 567.9  | 395.9  | 32.2   | 54.8   | 503.9  | 105.9  | 16.8   | 16.6   | 16.8 | 16.6 |
| 3122 Prepared animal feeds                       |      | 247.0                                       | 488.2  | 1009.9 | 1041.0 | 42.2   | 90.2   | 408.4  | 152.2  | 17.1   | 15.6   | 17.1 | 15.6 |
| 313 Beverages                                    |      | 400.8                                       | 582.4  | 677.1  | 539.7  | 92.6   | 145.7  | 155.1  | 151.9  | 23.1   | 28.2   | 23.1 | 28.2 |
| 3131 Distilling, rectifying and blending spirits | a/   | 18.6  | 45.4   | 50.7   | 65.8   | 7.9  | 20.0   | 18.0   | 30.7   | 42.5   | 46.7   | 42.5 | 46.7 |
| 3132 Wine industries                             | a/   |   |        |        |        |  |        |        |        |  |  |      |      |
| 3133 Malt liquors and malt                       |      | 68.2  | 104.3  | 127.8  | 79.9   | 16.0   | 25.4   | 35.8   | 41.9   | 23.4   | 52.5   | 23.4 | 52.5 |
| 3134 Soft drinks and carbonated waters           |      | 318.0                                       | 432.7  | 498.6  | 394.0  | 68.7   | 100.3  | 111.3  | 74.3   | 21.9   | 20.1   | 21.9 | 20.1 |
| 314 Tobacco                                      |      | 858.7                                       | 1066.0 | 1179.0 | 863.4  | 171.7  | 177.0  | 321.0  | 279.4  | 20.0   | 32.4   | 20.0 | 32.4 |
| 321 Textiles                                     |      | 1977.5                                      | 3153.5 | 4088.0 | 5935.2 | 643.1  | 805.0  | 1353.8 | 2327.8 | 32.5   | 39.7   | 32.5 | 39.7 |
| 3211 Spinning, weaving and finishing textiles    |      | 1702.6                                      | 2741.9 | 3394.9 | 5377.0 | 561.6  | 702.5  | 1113.3 | 2250.2 | 33.0   | 41.8   | 33.0 | 41.8 |
| 3212 Made-up textile goods excl. wearing apparel |      | 24.3  | 54.4   | 107.2  | 61.8   | 5.0  | 10.4   | 16.0   | 10.4   | 20.5   | 16.9   | 20.5 | 16.9 |
| 3213 Knitting mills                              |      | 115.9                                       | 215.4  | 264.0  | 253.1  | 39.7   | 66.2   | 97.8   | 64.3   | 34.2   | 25.4   | 34.2 | 25.4 |
| 3214 Carpets and rugs                            |      | 107.8                                       | 124.2  | 237.4  | 189.5  | 24.4   | 21.1   | 102.3  | -10.5  | 22.7   | 22.7   | 22.7 | 22.7 |
| 3215 Cordage, rope and twine                     |      | 25.6  | 11.6   | 60.9   | 26.6   | 11.8   | 26.5   | 70.0   | 6.8    | 46.0   | 25.6   | 46.0 | 25.6 |
| 3219 Other textiles                              |      | 1.3   | 6.0    | 23.6   | 27.2   | 0.6  | 1.0    | 4.4    | 6.6    | 50.7   | 24.3   | 50.7 | 24.3 |
| 322 Wearing apparel, except footwear             |      | 79.5  | 185.0  | 254.0  | 309.4  | 19.6   | 28.0   | 55.0   | 54.5   | 24.7   | 17.6   | 24.7 | 17.6 |
| 323 Leather and fur products                     |      | 36.8  | 65.4   | 68.8   | 79.5   | 9.0  | 34.0   | 21.5   | 19.3   | 24.4   | 24.3   | 24.4 | 24.3 |
| 323.1 Tanneries and leather finishing            |      | 34.8b/                                      | 58.5b/ | 62.1b/ | 58.0   | 8.5b/  | 32.8b/ | 21.7b/ | 15.3   | 24.5   | 26.4   | 24.5 | 26.4 |
| 323.2 Fur dressing and dyeing industries         |      | 2.0   | 6.9    | 6.7    | 8.7    | b/   | b/     | b/     | 1.8    | 20.7   | 34.4   | 20.7 | 34.4 |
| 3233 Leather prod. excl. wearing apparel         |      |   |        |        |        | 0.4  | 1.2    | -0.2   | 2.2    | 21.4   | 17.2   | 21.4 | 17.2 |
| 324 Footwear, except rubber or plastic           |      | 62.5  | 124.0  | 139.0  | 130.1  | 12.4c/   | 44.0   | 45.0   | 57.0   | 19.9   | 43.8   | 19.9 | 43.8 |
| 331 Wood products, except furniture              |      | 125.7                                       | 155.3  | 146.4  | 128.8  | 31.4   | 73.7   | 51.1   | 25.4   | 25.0   | 19.7   | 25.0 | 19.7 |
| 3311 Sawmills, planing and other wood mills      |      | 125.1                                       | 153.4  | 145.8  | 126.3  | 31.2   | 73.2   | 50.9   | 24.1   | 24.9   | 19.1   | 24.9 | 19.1 |
| 3312 Wooden and cane containers                  |      |   | 1.5    |        | 1.7    |  | 0.4    |        | 1.1    | 43.8   | 64.7   | 43.8 | 64.7 |
| 3319 Other wood and cork products                |      | 0.6   | 0.4    | 0.6    | 0.8    | 0.2  | 0.1    | 0.1    | 0.2    | 28.6   | 25.0   | 28.6 | 25.0 |
| 332 Furniture and fixtures, excl. metal          |      | 69.6  | 117.0  | 254.0  | 85.7   | 25.0   | 26.0   | 126.0  | 17.1   | 35.8   | 20.0   | 35.8 | 20.0 |
| 341 Paper and products                           |      | 329.2                                       | 433.7  | 561.5  | 783.4  | 99.3   | 110.5  | 107.8  | 155.2  | 30.2   | 19.8   | 30.2 | 19.8 |
| 3411 Pulp, paper and paperboard articles         |      | 184.3                                       | 222.8  | 296.7  | 390.5  | 70.8   | 58.0   | 53.3   | 97.3   | 38.4   | 24.9   | 38.4 | 24.9 |
| 3412 Containers of paper and paperboard          |      | 48.9  | 75.8   | 99.1   | 200.6  | 11.7   | 9.7    | 9.8    | 38.4   | 19.1   | 26.2   | 19.1 | 26.2 |
| 3419 Other pulp, paper and paperboard articles   |      | 95.9  | 135.1  | 165.7  | 192.3  | 30.3   | 42.9   | 44.6   | 19.5   | 31.6   | 10.2   | 31.6 | 10.2 |
| 342 Printing and publishing                      |      | 323.8                                       | 329.0  | 447.0  | 593.6  | 132.5  | 37.0   | 132.0  | 168.6  | 40.9   | 28.4   | 40.9 | 28.4 |
| 351 Industrial chemicals                         |      | 524.8                                       | 869.3  | 1070.3 | 1557.8 | 190.4  | 196.7  | 285.0  | 448.0  | 36.3   | 28.8   | 36.3 | 28.8 |
| 3511 Basic chemicals excl. fertilizers           |      | 359.2                                       | 581.2  | 714.9  | 1077.5 | 55.8   | 68.9   | 95.4   | 130.6  | 35.1   | 27.4   | 35.1 | 27.4 |
| 3512 Fertilizers and pesticides                  |      | 239.7                                       | 283.9  | 353.6  | 470.9  | 95.9   | 54.5   | 113.7  | 255.0  | 40.0   | 34.4   | 40.0 | 34.4 |
| 3513 Synthetic resins and plastic materials      |      | 126.0                                       | 304.2  | 261.8  | 339.4  | 38.7   | 73.3   | 75.8   | 62.4   | 30.7   | 18.4   | 30.7 | 18.4 |
| 352 Other chemicals                              |      | 1010.1                                      | 1650.3 | 2304.9 | 2368.8 | 268.7  | 340.0  | 569.9  | 527.8  | 26.6   | 22.3   | 26.6 | 22.3 |
| 3521 Paints, varnishes and lacquers              |      | 80.3  | 184.7  | 151.7  | 188.3  | 24.1   | 29.2   | 28.8   | 49.8   | 30.0   | 26.4   | 30.0 | 26.4 |
| 3522 Drugs and medicines                         |      | 611.5                                       | 864.5  | 883.4  | 1057.1 | 178.3  | 154.3  | 197.9  | 239.9  | 29.2   | 27.7   | 29.2 | 27.7 |
| 3523 Soap, cleaning prod., perfumes, cosmetics   |      | 246.2                                       | 653.6  | 1112.6 | 965.6  | 38.9   | 114.9  | 287.7  | 188.0  | 15.8   | 19.5   | 15.8 | 19.5 |
| 3529 Other chemical products                     |      | 72.1  | 147.5  | 157.2  | 157.8  | 27.4   | 41.5   | 45.6   | 50.1   | 38.0   | 31.7   | 38.0 | 31.7 |
| 353 Petroleum refineries                         |      | 168.9                                       | 229.0  | 356.0  | 3113.9 | 76.9   | 103.0  | 189.0  | 1858.6 | 45.5   | 59.7   | 45.5 | 59.7 |



|   |         |         |         |         |        |        |        |         |      |      |      |      |
|---|---------|---------|---------|---------|--------|--------|--------|---------|------|------|------|------|
| 354 Misc. Petroleum and coal products           | 286 1   | 329 0   | 422 0   | 488 0   | 101 6  | 104 0  | 107 0  | 117 7   | 35 5 | 24 1 | 19 5 | 29 7 |
| 355 Rubber products                             | 98 4    | 133 3   | 179 9   | 216 7   | 36 1   | 34 1   | 38 0   | 45 4    | 36 7 | 20 9 | 46 1 | 71 0 |
| 356 Tires and tubes                             | 251 3   | 104 6   | 136 2   | 158 8   | 50 8   | 25 4   | 23 0   | 36 8    | 37 2 | 23 2 | 36 3 | 53 7 |
| 3599 Other rubber products                      | 15 5    | 28 7    | 43 7    | 57 9    | 5 3    | 8 7    | 15 0   | 8 6     | 34 7 | 14 9 |      |      |
| 356 Plastic products                            | 298 1   | 546 0   | 665 0   | 701 6   | 27 1c/ | 194 0  | 168 0  | 107 2   |      | 16 3 |      | 54 9 |
| 361 Pottery china, earthenware                  | 33 2    | 82 0    | 210 0   | 253 0   | 15 3   | 26 0   | 69 0   | 78 5    | 46 1 | 31 0 | 50 9 | 37 6 |
| 362 Glass and products                          | 69 7    | 193 0   | 200 0   | 260 7   | 28 6   | 78 0   | 66 0   | 87 0    | 41 0 | 33 4 | 90 0 | 55 1 |
| 369 Other non-metals, mineral products          | 607 6   | 1203 8  | 1516 8  | 1463 7  | 218 4  | 412 8  | 670 1  | 541 8   | 35 9 | 37 0 | 45 5 | 32 7 |
| 3691 Structural clay products                   | 158 9   | 139 6   | 140 1   | 195 9   | 58 8   | 64 0   | 64 0   | 63 5    | 37 0 | 37 4 | 48 1 | 64 6 |
| 3692 Cement, lime and plaster                   | 327 9   | 727 9   | 918 4   | 972 6   | 97 8   | 213 8  | 438 6  | 409 7   | 34 4 | 42 1 | 36 6 | 18 9 |
| 3699 Other non-metallic mineral products        | 120 8   | 336 3   | 398 3   | 295 2   | 46 7   | 132 7  | 167 5  | 58 6    | 38 6 | 23 2 | 63 8 | 85 4 |
| 371 Iron and steel                              | 660 3   | 903 0   | 1638 0  | 2204 2  | 129 1  | 70 0   | 483 0  | 580 6   | 19 6 | 26 3 | 88 2 | 42 0 |
| 372 Non-ferrous metals                          | 541 8   | 1051 0  | 1614 0  | 1186 8  | 365 8  | 481 0  | 727 0  | 329 0   | 67 5 | 27 7 | 20 1 | 30 7 |
| 381 Fabricated metal products                   | 416 3   | 823 8   | 965 6   | 1252 0  | 124 3  | 305 8  | 359 5  | 441 2   | 29 9 | 35 2 | 65 6 | 39 0 |
| 3811 Cutlery, hand tools and general hardware   | 53 1    | 66 2    | 69 1    | 107 1   | 24 2   | 17 8   | 60 0   | 22 8    | 36 1 | 34 0 | 54 9 | 56 6 |
| 3812 Furniture and fixtures primarily of metal  | 57 7    | 55 0    | 71 9    | 132 4   | 25 5   | 10 9   | 21 2   | 43 8    | 46 6 | 33 1 | 57 7 | 40 2 |
| 3813 Structural metal products                  | 32 6    | 37 8    | 350 9   | 168 3   | 29 6   | 114 0  | 189 9  | 51 3    | 32 0 | 30 5 | 76 8 | 66 2 |
| 3819 Other fabricated metal products            | 215 9   | 387 5   | 483 6   | 884 2   | 50 0   | 103 1  | 131 6  | 373 3   | 23 2 | 36 6 | 67 1 | 33 4 |
| 382 Non-electrical machinery                    | 404 9   | 833 8   | 1192 3  | 1005 5  | 109 5  | 281 1  | 334 3  | 298 8   | 27 0 | 29 8 | 61 7 | 56 3 |
| 3821 Engines and turbines                       | 72 2    | 99 4    | 123 7   | 123 7   | 24 2   | 87 0   | 60 0   | 30 4    | 53 6 | 31 9 | 30 6 | 50 3 |
| 3822 Agricultural machinery and equipment       | 41 1    | 121 5   | 137 4   | 51 6    | 22 8   | 63 9   | 69 9   | 26 2    | 55 6 | 50 6 | 33 4 | 36 0 |
| 3823 Metal and wood working machinery           | 13 1    | 20 2    | 25 6    | 30 4    | 3 0    | 11 7   | 12 3   | 15 0    | 23 0 | 49 3 |      | 88 5 |
| 3824 Other special industrial machinery         | 9 7     | 23 6    | 135 0   | 104 3   | -7 7   | 16 4   | 55 0   | 91 2    | 50 6 | 49 1 |      |      |
| 3825 Office, computing and accounting machinery | 6 8     | 0 2     | 61 1    | 16 2    | 3 4    | 0 1    | 3 3    | 2 4     |      | 14 8 | 21 4 |      |
| 3829 Other non-electrical machinery & equipment | 262 1   | 568 9   | 710 0   | 679 1   | 63 6   | 114 8  | 133 7  | 165 6   | 24 3 | 24 4 | 66 6 | 57 0 |
| 383 Electrical machinery                        | 619 6   | 917 4   | 907 3   | 1481 3  | 236 8  | 287 2  | 200 6  | 291 0   | 38 2 | 19 6 | 28 8 | 53 4 |
| 3831 Electrical industrial machinery            | 25 5    | 44 2    | 118 3   | 274 0   | 12 3   | 18 0   | 31 7   | 64 6    | 48 4 | 23 6 | 27 5 | 49 8 |
| 3832 Radio, television and communication equipm | 236 0   | 349 8   | 248 5   | 469 1   | 46 9   | 120 3  | 74 9   | 20 3    | 19 9 | 4 3  | 55 2 | 3 9  |
| 3833 Electrical appliances and housewares       | 19 9    | 73 8    | 87 5    | 160 9   | 4 0    | 28 5   | 20 6   | 61 4    | 19 9 | 38 7 | 66 5 |      |
| 3839 Other electrical apparatus and supplies    | 338 2   | 449 6   | 453 0   | 577 3   | 173 5  | 120 4  | 73 4   | 144 7   | 51 3 | 26 1 | 20 9 | 41 1 |
| 384 Transport equipment                         | 608 2   | 996 7   | 1077 7  | 1141 9  | 139 3  | 523 7  | 321 3  | 337 4   | 22 9 | 29 5 | 78 5 | 66 1 |
| 3841 Shipbuilding and repairing                 | 90 9    | 165 1   | 156 8   | 229 1   | 36 7   | 42 6   | 45 2   | 97 2    | 40 4 | 42 4 | 91 3 | 56 8 |
| 3842 Railroad equipment                         | 97 0    | 87 9    | 138 1   | 99 0    | 39 3   | 20 4   | 52 1   | 26 5    | 40 5 | 26 8 | 29 6 | 57 8 |
| 3843 Motor vehicles                             | 478 6   | 681 7   | 702 3   | 717 3   | 52 5   | 438 8  | 197 7  | 197 9   | 13 9 | 26 9 |      | 72 2 |
| 3844 Motorcycles and bicycles                   | 41 7    | 67 0    | 80 5    | 96 5    | 10 8   | 21 8   | 26 3   | 20 8    | 25 9 | 21 6 | 68 8 | 62 9 |
| 3845 Aircraft                                   |         |         |         |         |        |        |        |         |      |      |      |      |
| 3849 Other transport equipment                  |         |         |         |         |        |        |        |         | 63 6 | 23 9 | 85 7 |      |
| 385 Professional and scientific equipment       | 49 0    | 149 8   | 152 0   | 95 8    | 17 3   | 55 1   | 68 0   | 30 4    | 35 3 | 31 7 | 67 0 | 83 6 |
| 3851 Photo and scientific equipment, n.e.c.     | 45 1    | 147 5   | 149 7   | 86 4    | 16 6   | 54 8   | 67 2   | 25 0    | 36 8 | 28 9 | 65 3 | 94 3 |
| 3852 Miscellaneous scientific and optical goods | 2 4     | 1 6     | 2 3     | 9 0     | 0 7    | 0 2    | 0 9    | 5 2     | 29 8 | 57 8 | 73 3 | 34 0 |
| 3853 Watches and clocks                         | 1 5     | 0 7     | 0 4     | 0 4     |        | 0 1    | -0 1   | 0 2     |      | 50 0 |      | 35 0 |
| 386 Other manufacturing industries              | 34 2    | 28 4    | 65 2    | 67 4    | 7 6    | 5 4    | 8 7    | 13 1    | 22 2 | 19 4 | 46 4 | 47 3 |
| 3861 Jewelry and related articles               | 2 8     | 6 0     | 20 1    | 24 4    | 0 9    | 0 8    | 1 6    | 1 6     | 30 6 | 6 6  | 19 4 | 77 7 |
| 3862 Musical instruments                        |         |         |         |         |        |        |        |         |      |      |      |      |
| 3863 Sporting and athletic goods                |         |         |         |         |        |        |        |         |      |      |      |      |
| 3869 Manufacturing industries, n.e.c.           |         |         |         |         |        |        |        |         |      |      |      |      |
| J Total manufacturing                           | 11103 2 | 20956 5 | 28191 7 | 35562 6 | 3827 1 | 5394 9 | 9035 1 | 10869 3 | 29 2 | 30 6 | 55 2 | 35 2 |

J Total manufacturing  
 J Total includes J132  
 J value added is less than corresponding wages and salaries due to operating losses of some large establishments  
 B/ J321 includes 3732

Egypt

| ISIC Industry                             | Gross fixed capital formation<br>(million POUNDS) |        |        |        |      | Index numbers of industrial production<br>(1980=100) |      |      |      |      |      |      |      |      |  |
|---|---|--------|--------|--------|------|--|------|------|------|------|------|------|------|------|--|
|   | 1985  | 1987   | 1988   | 1989   | Note | 1984   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |  |
| 311 Food products                         | 111.3   | 216.7  | 196.4  | 120.7  |      | 179  | 216  | 247  | 208  | 202  | 243  | 192  | 193  | 198  |  |
| 312 Beverages                             | 31.3  | 23.7   | 5.4    | 13.9   |      | 125  | 159  | 167  | 176  | 172  | 159  | 143  | 123  | 113  |  |
| 314 Tobacco                               | 39.7  | 31.2   | 7.6    | 20.3   |      | 151  | 148  | 134  | 147  | 141  | 133  | 126  | 132  | 134  |  |
| 321 Textiles                              | 341.5   | 143.1  | 205.0  | 261.9  |      | 138  | 145  | 149  | 130  | 108  | 112  | 114  | 122  | 111  |  |
| 322 Wearing apparel, except footwear      | 0.9   | 0.4    | 0.8    | 1.1    | a/   | 99   | 97   | 77   | 70   | 97   | 71   | 58   | 67   | 47   |  |
| 323 Leather and fur products              | 11.5  | 2.9    | 1.5    | 50.5   |      | 60   | 57   | 50   | 47   | 58   | 53   | 69   | 111  | 101  |  |
| 324 Footwear, except rubber or plastic    | 3.1   | 2.4    | 2.4    | 96.3   | a/   |  |      |      |      |      |      |      |      |      |  |
| 331 Wood products, except furniture       | 11.9  | 4.3    | 0.7    | 1.3    |      | 269  | 265  | 255  | 256  | 217  | 196  | 193  | 178  | 172  |  |
| 332 Furniture and fixtures, excl metal    | 7.7   | 0.7    | 2.0    | 0.2    |      | 284  | 273  | 280  | 236  | 276  | 269  | 243  | 219  | 245  |  |
| 341 Paper and products                    | 89.2  | 55.3   | 47.2   | 5.1    |      | 67   | 73   | 93   | 78   | 95   | 98   | 143  | 144  | 149  |  |
| 342 Printing and publishing               | 42.1  | 15.1   | 6.7    | 0.6    |      | 49   | 51   | 34   | 51   | 42   | 41   | 37   | 36   | 35   |  |
| 351 Industrial chemicals                  | 153.3   | 142.2  | 444.2  | 201.9  | b/   | 177  | 201  | 175  | 247  | 253  | 228  | 230  | 232  | 193  |  |
| 352 Other chemicals                       | 92.9  | 102.7  | 102.7  | 88.9   | b/   |  |      |      |      |      |      |      |      |      |  |
| 353 Petroleum refineries                  | 75.3  | 35.3   | 43.4   | 532.9  | c/   | 120  | 121  | 96   | 92   | 85   | 81   | 85   | 104  | 103  |  |
| 354 Misc. petroleum and coal products     | 12.6  | 25.2   | 33.6   | 44.4   | c/   |  |      |      |      |      |      |      |      |      |  |
| 355 Rubber products                       | 6.4   | 26.8   | 11.5   | 122.2  |      |  | 162  | 175  | 182  | 201  | 220  | 229  | 241  | 224  |  |
| 356 Plastic products                      | 9.7   | 21.4   | -61.1  | 0.8    |      |  |      |      |      |      |      |      |      |      |  |
| 361 Pottery, china, earthenware           | 4.4   | 2.6    | 6.0    | 0.8    | d/   | 108  | 117  | 153  | 170  | 206  | 216  | 259  | 240  | 240  |  |
| 362 Glass and products                    | 12.1  | 5.1    | -1.1   | 2.1    | d/   |  |      |      |      |      |      |      |      |      |  |
| 369 Other non-metallic mineral products   | 1055.0  | 763.6  | 758.0  | 583.5  | d/   |  |      |      |      |      |      |      |      |      |  |
| 371 Iron and steel                        | 146.5   | 196.8  | 291.6  | 2.0    | e/   | 119  | 134  | 148  | 169  | 169  | 181  | 179  | 201  | 162  |  |
| 372 Non-ferrous metals                    | 89.6  | 273.7  | 397.2  | 159.7  | e/   |  |      |      |      |      |      |      |      |      |  |
| 381 Fabricated metal products             | 31.6  | 71.2   | 147.6  | 13.0   |      | 156  | 191  | 189  | 204  | 218  | 208  | 192  | 188  | 187  |  |
| 382 Non-electrical machinery              | 42.8  | 16.3   | 36.4   | 144.6  |      | 123  | 171  | 170  | 209  | 168  | 190  | 171  | 154  | 136  |  |
| 383 Electrical machinery                  | 44.6  | 20.0   | 15.5   | 45.6   |      | 251  | 277  | 248  | 235  | 253  | 225  | 198  | 210  | 192  |  |
| 384 Transport equipment                   | 60.5  | 59.1   | 52.7   | 45.7   |      | 140  | 149  | 107  | 99   | 108  | 111  | 74   | 89   | 62   |  |
| 385 Professional and scientific equipment | 3.7   | 5.4    | 41.8   | 4.3    |      |  |      |      |      |      |      |      |      |      |  |
| 390 Other manufacturing industries        | 1.4   | 5.8    | 1.9    | 0.2    |      | 159  | 179  | 188  | 253  | 224  | 208  | 171  | 484  | 463  |  |
| J Total manufacturing                     | 2508.9  | 2230.3 | 2797.6 | 2231.3 |      |  |      |      |      |      |      |      |      |      |  |

b/ 351 includes 352

d/ 361 includes 362 and 369

e/ 371 includes 372

## EL SALVADOR

**Supplier of information:**

Departamento de Estadísticas Industriales, Dirección General de Estadística y Censos (DIGESTYC), Ministerio de Economía, San Salvador.

**Basic source of data:**

Annual survey of manufacturing industries.

**Major deviations from current version of ISIC:**

In 1985, manufacture of hygienic paper and similar products, including sanitary towels (part of ISIC 385) is included in ISIC 341.

**Reference period (if not calendar year):****Scope:**

Establishments with 5 or more persons engaged and with fixed capital of 20,000 colones or more. Establishments processing coffee or cotton are excluded.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of persons engaged refers to 31 August of the reference year.

Output and value added include receipts for the right to use patents, copyrights and the like.

Output includes purchases of goods for resale without transformation.

**Related national publications:**

Anuario Estadístico, Tomo III, published by the Dirección General de Estadística y Censos (DIGESTYC), Ministerio de Economía, San Salvador.

El Salvador

| ISIC Industry                             | Note | Number of establishments<br>(numbers) |      |      |      | Note | Number of persons engaged<br>(numbers) |      |      |         | Note | Wages and salaries paid<br>to employees<br>(thousand COLONES) |      |          |      |
|---|------|---------------------------------------|------|------|------|------|--|------|------|---------|------|---|------|----------|------|
|   |      | 1985                                  | 1990 | 1991 | 1992 |      | 1985                                   | 1990 | 1991 | 1992    |      | 1985  | 1990 | 1991     | 1992 |
| 311/2 Food Products                       |      | 53                                    |      | 68   | 78   |      | 4167                                   |      |      | 6995    |      | 46010   |      | 130000   |      |
| 313 Beverages                             |      | 11                                    |      | 16   | 14   |      | 1941                                   |      |      | 1099    |      | 28880   |      | 65000    |      |
| 314 Tobacco                               |      | 2                                     |      | 2    | 1    |      | 394                                    |      |      |         |      | 8050  |      | 24000    |      |
| 321 Textiles                              |      | 33                                    |      | 44   | 29   |      | 4922                                   |      |      | 5470    |      | 48750   |      | 198000   |      |
| 322 Wearing apparel, except footwear      |      | 36                                    |      | 42   | 52   |      | 1923                                   |      |      | 6652    |      | 12560   |      | 59000    |      |
| 323 Leather and fur products              |      | 8                                     |      | 8    | 6    |      | 607                                    |      |      | 239     |      | 5420  |      | 8000     |      |
| 324 Footwear, except rubber or plastic    |      | 3                                     |      | 5    | 2    |      | 131                                    |      |      | 306     |      | 960   |      | 7000     |      |
| 331 Wood products, except furniture       |      | 2                                     |      | 3    | 4    |      | 21                                     |      |      | 129     |      | 100   |      | 1000     |      |
| 332 Furniture and fixtures, excl metal    |      | 9                                     |      | 11   | 7    |      | 439                                    |      |      | 417     |      | 3520  |      | 11000    |      |
| 341 Paper and products                    |      | 9                                     |      | 6    | 5    |      | 1317                                   |      |      | 916     |      | 19100   |      | 22000    |      |
| 342 Printing and publishing               |      | 15                                    |      | 19   | 23   |      | 632                                    |      |      | 1413    |      | 7650  |      | 24000    |      |
| 351 Industrial chemicals                  |      | 8                                     |      | 11   | 4    |      | 231                                    |      |      | 438     |      | 3320  |      | 32000    |      |
| 352 Other chemicals                       |      | 38                                    |      | 69   | 38   |      | 2549                                   |      |      | 3733    |      | 32450   |      | 131000   |      |
| 353 Petroleum refineries                  |      | 1                                     |      | 1    | 1    |      | 62                                     |      |      | 70      |      | 3410  |      | 8000     |      |
| 354 Misc petroleum and coal products      |      | -                                     |      | 1    | 1    |      | -                                      |      |      | 14      |      | -   |      | -        |      |
| 355 Rubber products                       |      | 6                                     |      | 10   | 25   |      | 187                                    |      |      | 220     |      | 1790  |      | 8000     |      |
| 356 Plastic products                      |      | 20                                    |      | 15   | 15   |      | 1434                                   |      |      | 1374    |      | 13880   |      | 19000    |      |
| 361 Pottery, china, earthenware           |      | -                                     |      | 2    | 2    |      | -                                      |      |      | 20      |      | -   |      | -        |      |
| 362 Glass and products                    |      | 2                                     |      | 3    | 1    |      | 19                                     |      |      |         |      | 80  |      | 1000     |      |
| 369 Other non-metallic mineral products   |      | 12                                    |      | 14   | 1    |      | 1106                                   |      |      | 1258    |      | 12670   |      | 19000    |      |
| 371 Iron and steel                        |      | 5                                     |      | 4    | 7    |      | 618                                    |      |      | 1500    |      | 6290  |      | 6000     |      |
| 372 Non-ferrous metals                    |      | 1                                     |      | -    | 2    |      | 62                                     |      |      | 162     |      | 380   |      | -        |      |
| 381 Fabricated metal products             |      | 20                                    |      | 19   | 25   |      | 1194                                   |      |      | 1361    |      | 10910   |      | 9000     |      |
| 382 Non-electrical machinery              |      | 9                                     |      | 5    | 5    |      | 383                                    |      |      | 84      |      | 4560  |      | 2000     |      |
| 383 Electrical machinery                  |      | 8                                     |      | 12   | 9    |      | 501                                    |      |      | 564     |      | 7290  |      | 23000    |      |
| 384 Transport equipment                   |      | -                                     |      | 1    | 1    |      | -                                      |      |      | 22      |      | -   |      | 1000     |      |
| 385 Professional and scientific equipment |      | 2                                     |      | 2    |      |      | 22                                     |      |      | 40      |      | 310   |      | 2000     |      |
| 790 Other manufacturing industries        |      | 14                                    |      | 10   |      |      | 341                                    |      |      | 754     |      | 2720  |      | 9000     |      |
| 3 Total manufacturing                     |      | 327                                   |      | 403  |      |      | 25203                                  |      |      | 35683a/ |      | 281050  |      | 818000a/ |      |

a/ Sum of available data

El Salvador

| ISIC Industry                             | Note | Output in producers' prices |      |        |        | Note | Value added in producers' prices |      |        |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-----------------------------|------|--------|--------|------|----------------------------------|------|--------|------|--------------------------------|------|--|------|
|   |      | (million COLONES)           |      |        |        |      | (million COLONES)                |      |        |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                        | 1990 | 1991a/ | 1992a/ |      | 1985                             | 1990 | 1991   | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       |      | 581                         |      | 2084   | 2790   |      | 203                              |      | 823    |      | 34.9                           |      | 22.7                                       |      |
| 313 Beverages                             |      | 297                         |      |        | 214    |      | 218                              |      | 412    |      | 72.7                           |      | 13.4                                       |      |
| 314 Tobacco                               |      | 132                         |      | 315    | 226    |      | 107                              |      | 249    |      | 81.1                           |      | 7.5  |      |
| 321 Textiles                              |      | 278                         |      | 1406   | 819    |      | 148                              |      | 652    |      | 53.2                           |      | 32.9                                       |      |
| 322 Wearing apparel, except footwear      |      | 68                          |      |        | 26     |      | 35                               |      |        |      | 52.9                           |      | 34.9                                       |      |
| 323 Leather and fur products              |      | 35                          |      | 66     | 17     |      | 18                               |      | 30     |      | 51.4                           |      | 30.1                                       |      |
| 324 Footwear, except rubber or plastic    |      | 7                           |      | 31     | 5      |      | 4                                |      | 15     |      | 57.1                           |      | 24.0                                       |      |
| 331 Wood products, except furniture       |      | 1                           |      | 6      | 5      |      | -                                |      | 5      |      |                                |      |  |      |
| 332 Furniture and fixtures, excl metal    |      | 27                          |      | 69     | 22     |      | 15                               |      | 35     |      | 55.6                           |      | 23.5                                       |      |
| 341 Paper and products                    |      | 164                         |      | 255    | 252    |      | 86                               |      | 97     |      | 52.4                           |      | 22.2                                       |      |
| 342 Printing and publishing               |      | 59                          |      | 179    | 114    |      | 30                               |      | 107    |      | 50.8                           |      | 25.5                                       |      |
| 351 Industrial chemicals                  |      | 56                          |      | 355    | 247    |      | 27                               |      | 176    |      | 48.2                           |      | 12.3                                       |      |
| 352 Other chemicals                       |      | 359                         |      | 1407   | 601    |      | 207                              |      | 815    |      | 57.7                           |      | 15.7                                       |      |
| 353 Petroleum refineries                  |      | 571                         |      | 1311   |        |      | 75                               |      | 392    |      | 13.1                           |      | 4.5  |      |
| 354 Misc petroleum and coal products      |      | -                           |      |        |        |      | -                                |      |        |      |                                |      |  |      |
| 355 Rubber products                       |      | 17                          |      |        |        |      | 10                               |      |        |      | 58.8                           |      | 17.9                                       |      |
| 356 Plastic products                      |      | 115                         |      | 216    |        |      | 56                               |      | 102    |      | 48.7                           |      | 24.8                                       |      |
| 361 Pottery, china, earthenware           |      | -                           |      | 1      |        |      | -                                |      | 1      |      |                                |      |  |      |
| 362 Glass and products                    |      | 1                           |      | 4      |        |      | -                                |      | 2      |      |                                |      |  |      |
| 369 Other non-metallic mineral products   |      | 102                         |      | 161    |        |      | 48                               |      | 87     |      | 47.1                           |      | 26.4                                       |      |
| 371 Iron and steel                        |      | 46                          |      | 58     |        |      | 25                               |      | 21     |      | 54.3                           |      | 25.2                                       |      |
| 372 Non-ferrous metals                    |      | 7                           |      | -      |        |      | 2                                |      | -      |      | 28.6                           |      | 19.0                                       |      |
| 381 Fabricated metal products             |      | 85                          |      | 78     |        |      | 45                               |      | 49     |      | 52.9                           |      | 24.2                                       |      |
| 382 Non-electrical machinery              |      | 44                          |      | 10     |        |      | 25                               |      | 9      |      | 56.8                           |      | 18.2                                       |      |
| 383 Electrical machinery                  |      | 77                          |      | 231    |        |      | 43                               |      | 144    |      | 55.8                           |      | 17.0                                       |      |
| 384 Transport equipment                   |      | -                           |      | 16     |        |      | -                                |      | 5      |      |                                |      |  |      |
| 385 Professional and scientific equipment |      | 3                           |      | 10     |        |      | 2                                |      | 8      |      | 66.7                           |      | 15.5                                       |      |
| 390 Other manufacturing industries        |      | 15                          |      | 45     |        |      | 9                                |      | 32     |      | 60.0                           |      | 30.2                                       |      |
| 3 Total manufacturing                     |      | 3147                        |      | 8314b/ |        |      | 1437                             |      | 4168b/ |      | 45.7                           |      | 19.6                                       |      |

a/ Output (valuation undetermined)

b/ Sum of available data

El Salvador

Gross fixed capital formation

(thousand COLONES)

| ISIC Industry                             | Note | 1985   | 1990 | 1991   | 1992 |
|---|------|--------|------|--------|------|
| 311/2 Food Products                       |      | 26930  |      | 105000 |      |
| 313 Beverages                             |      | 18550  |      | 39000  |      |
| 314 Tobacco                               |      | 7970   |      | 5000   |      |
| 321 Textiles                              |      | 4600   |      | 116000 |      |
| 322 Wearing apparel, except footwear      |      | 2600   |      | 19000  |      |
| 323 Leather and fur products              |      | 650    |      | -      |      |
| 324 Footwear, except rubber or plastic    |      | 180    |      | 3000   |      |
| 331 Wood products, except furniture       |      | 80     |      | -      |      |
| 332 Furniture and fixtures, excl metal    |      | 1250   |      | -      |      |
| 341 Paper and products                    |      | 2460   |      | 4000   |      |
| 342 Printing and publishing               |      | 4810   |      | 8000   |      |
| 351 Industrial chemicals                  |      | 730    |      | 20000  |      |
| 352 Other chemicals                       |      | 6460   |      | 49000  |      |
| 353 Petroleum refineries                  |      | 750    |      | 76000  |      |
| 354 Misc petroleum and coal products      |      | -      |      | 1000   |      |
| 355 Rubber products                       |      | 1660   |      | 5000   |      |
| 356 Plastic products                      |      | 7370   |      | 5000   |      |
| 361 Pottery, china, earthenware           |      | -      |      | -      |      |
| 362 Glass and products                    |      | 10     |      | -      |      |
| 369 Other non-metallic mineral products   |      | -21990 |      | 8000   |      |
| 371 Iron and steel                        |      | -770   |      | 5000   |      |
| 372 Non-ferrous metals                    |      | 1550   |      | -      |      |
| 381 Fabricated metal products             |      | 1470   |      | 6000   |      |
| 382 Non-electrical machinery              |      | 590    |      | 3000   |      |
| 383 Electrical machinery                  |      | 1600   |      | 30000  |      |
| 384 Transport equipment                   |      | -      |      | -      |      |
| 385 Professional and scientific equipment |      | 80     |      | 2000   |      |
| 390 Other manufacturing industries        |      | 600    |      | 2000   |      |
| 3 Total manufacturing                     |      | 70190  |      | 511000 |      |

a/ 322 includes 324  
c/ 361 includes 362 and 369

Index numbers of industrial production

(1980=100)

| Note | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
|------|------|------|------|------|------|------|------|------|------|
|      | 100  | 108  | 109  | 111  | 115  | 117  | 120  | 127  |      |
|      | 74   | 77   | 80   | 84   | 86   | 87   | 90   | 94   |      |
|      | 73   | 68   | 70   | 71   | 76   | 77   | 80   | 84   |      |
| a/   | 55   | 47   | 56   | 59   | 53   | 57   | 59   | 62   |      |
|      | 71   | 70   | 68   | 67   | 73   | 80   | 82   | 86   |      |
| a/   | 74   | 62   | 52   | 51   | 56   | 61   | 63   | 66   |      |
|      | 178  | 178  | 188  | 199  | 210  | 219  | 219  | 237  |      |
|      | 95   | 99   | 106  | 111  | 112  | 116  | 116  | 126  |      |
|      | 65   | 58   | 47   | 46   | 47   | 51   | 56   | 56   |      |
|      | 52   | 50   | 43   | 46   | 46   | 50   | 54   | 54   |      |
| b/   | 108  | 96   | 100  | 102  | 103  | 111  | 114  | 120  |      |
| b/   | 79   | 78   | 79   | 82   | 80   | 86   | 88   | 93   |      |
|      | 55   | 47   | 38   | 40   | 40   | 44   | 44   | 47   |      |
| c/   | 81   | 85   | 89   | 102  | 103  | 109  | 109  | 113  |      |
| c/   |      |      |      |      |      |      |      |      |      |
| c/   |      |      |      |      |      |      |      |      |      |
| d/   | 91   | 103  | 120  | 122  | 124  | 122  | 134  | 134  |      |
| d/   |      |      |      |      |      |      |      |      |      |
|      | 59   | 63   | 62   | 56   | 59   | 57   | 60   | 62   |      |
|      | 88   | 103  | 117  | 120  | 121  | 118  | 123  | 128  |      |
|      | 53   | 53   | 60   | 62   | 62   | 61   | 63   | 66   |      |
|      | 81   | 81   | 83   | 85   | 86   | 84   | 87   | 91   |      |
|      | 69   | 63   | 74   | 76   | 78   | 85   | 91   | 93   |      |

b/ 351 includes 352  
d/ 371 includes 372

## ETHIOPIA

**Supplier of information:**

Central Statistical Authority, Addis Ababa.

**Basic source of data:**

Annual survey of manufacturing industry.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):**

Fiscal year ending 7 July of the year indicated.

**Scope:**

Establishments with 10 or more persons engaged and using power driven machines.

**Method of enumeration:**

Individual site visits by enumerators.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

The establishment is defined as an entity comprising the whole of the premises under the same ownership or management at a particular address.

Number of employees refers to all persons on the pay-roll, whether employed on a full time or part-time basis. The number of part-time workers has been adjusted to give the equivalent of full-time workers, taking into account the number of months worked.

Output is the sum of the value of (a) goods produced, (b) industrial services rendered to others, (c) goods sold in the same condition as purchased, (d) net increase between the beginning and the end of the reference year in stocks of finished goods and work in progress, (e) electricity sold, and (f) fixed assets produced during the reference year by the establishment for its own use.

Value added refers to census value added and is defined as the difference between output and industrial costs.

Gross fixed capital formation relates to additions of new and second-hand assets valued at purchasers' prices. Customs duties, other taxes, transfer fees, delivery and installation costs are included. Also included is the value of work done by the establishment for construction of buildings and structures (including materials used), for installation of machinery and equipment, and for capitalized alterations, improvements or rebuilding. The value of sales is not deducted.

**Related national publications:**

Statistical Abstract (annual); Results of Annual Survey of Manufacturing Industries, both published by the Central Statistical Authority, Addis Ababa.

## Ethiopia

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note  | Number of employees |       |       |      | Note  | Wages and salaries paid to employees |       |       |      |
|--|------|--------------------------|------|------|------|-------|---------------------|-------|-------|------|-------|--------------------------------------|-------|-------|------|
|  |      | (numbers)                |      |      |      |       | (numbers)           |       |       |      |       | (thousand BIRR)                      |       |       |      |
|  |      | 1985                     | 1987 | 1988 | 1989 |       | 1985                | 1987  | 1988  | 1989 |       | 1985                                 | 1987  | 1988  | 1989 |
| 311/2 Food Products                              |      | 131                      | 129  | 136  | 134  | 17357 | 18052               | 18298 | 18438 |      | 46412 | 60272                                | 64076 | 66804 |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 10                       | 11   | 11   | 11   | 5079  | 5072                | 4714  | 5126  |      | 10012 | 8920                                 | 9300  | 10967 |      |
| 3112 Dairy products                              |      | 2                        | 2    | 2    | 2    | 136   | 161                 | 268   | 182   |      | 361   | 390                                  | 911   | 607   |      |
| 3113 Canning, preserving of fruits & vegetables  |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 3114 Canning, preserving and processing of fish  |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 3115 Vegetable and animal oils and fats          |      | 9                        | 13   | 15   | 16   | 1745  | 2348                | 2481  | 2306  |      | 3793  | 6926                                 | 7723  | 6747  |      |
| 3116 Grain mill products                         |      | 15                       | 15   | 18   | 17   | 3126  | 3398                | 3640  | 3782  |      | 7483  | 8399                                 | 9109  | 10367 |      |
| 3117 Bakery products                             |      | 79                       | 72   | 74   | 72   | 3041  | 2986                | 2869  | 2761  |      | 5876  | 6966                                 | 5848  | 6206  |      |
| 3118 Sugar factories and refineries              | a/   | 10                       | 10   | 10   | 10   | 3204  | 3394                | 3411  | 3418  | a/   | 16073 | 17430                                | 17348 | 17336 |      |
| 3119 Cocoa, chocolate and sugar confectionery    | a/   | -                        | -    | -    | -    | -     | -                   | -     | -     | a/   | -     | -                                    | -     | -     |      |
| 3121 Other food products                         |      | 3                        | 3    | 3    | 3    | 561   | 454                 | 636   | 696   |      | 2391  | 2889                                 | 3210  | 3346  |      |
| 3122 Prepared animal feeds                       |      | 3                        | 3    | 3    | 3    | 466   | 249                 | 277   | 179   |      | 434   | 334                                  | 627   | 336   |      |
| 313 Beverages                                    |      | 30                       | 30   | 29   | 29   | 7859  | 8746                | 8863  | 9149  |      | 26697 | 28216                                | 31586 | 33806 |      |
| 3131 Distilling, rectifying and blending spirits |      | 8                        | 8    | 8    | 8    | 750   | 924                 | 901   | 927   |      | 2233  | 2761                                 | 3690  | 4008  |      |
| 3132 Wine industries                             |      | 4                        | 4    | 3    | 3    | 777   | 762                 | 752   | 749   |      | 2219  | 2376                                 | 2621  | 2627  |      |
| 3133 Malt liquors and malt                       |      | 5                        | 5    | 5    | 5    | 3298  | 3274                | 3389  | 3484  |      | 12499 | 11628                                | 13641 | 14690 |      |
| 3134 Soft drinks and carbonated waters           |      | 13                       | 13   | 13   | 13   | 3034  | 3786                | 3821  | 3989  |      | 8746  | 11463                                | 11834 | 12480 |      |
| 314 Tobacco                                      |      | 2                        | 2    | 2    | 2    | 930   | 846                 | 926   | 966   |      | 2616  | 2970                                 | 2846  | 3027  |      |
| 321 Textiles                                     |      | 48                       | 51   | 49   | 47   | 32477 | 36918               | 37406 | 36719 |      | 71096 | 89602                                | 94018 | 92098 |      |
| 3211 Spinning, weaving and finishing textiles    |      | 21                       | 21   | 19   | 19   | 26876 | 30034               | 31128 | 29653 |      | 61787 | 78682                                | 81371 | 80196 |      |
| 3212 Made-up textile goods excl wearing apparel  |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 3213 Knitting mills                              |      | 22                       | 25   | 25   | 23   | 1339  | 1404                | 1932  | 1920  |      | 2722  | 2607                                 | 3766  | 3721  |      |
| 3214 Carpets and rugs                            |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 3215 Cordage, rope and twine                     |      | 5                        | 5    | 5    | 6    | 4262  | 4400                | 4346  | 4246  |      | 7087  | 8618                                 | 8881  | 9081  |      |
| 3219 Other textiles                              |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 322 Wearing apparel, except footwear             |      | 12                       | 13   | 11   | 11   | 3293  | 3631                | 3467  | 4736  |      | 6060  | 7461                                 | 9021  | 10283 |      |
| 323 Leather and fur products                     |      | 10                       | 10   | 10   | 10   | 2664  | 2966                | 3142  | 3471  |      | 6748  | 8449                                 | 9803  | 12369 |      |
| 3231 Tanneries and leather finishing             |      | 10                       | 10   | 10   | 10   | 2664  | 2966                | 3142  | 3471  |      | 6748  | 8449                                 | 9803  | 12369 |      |
| 3232 Fur dressing and dyeing industries          |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 3233 Leather prods excl wearing apparel          |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 324 Footwear, except rubber or plastic           |      | 16                       | 16   | 18   | 17   | 2712  | 2684                | 3216  | 3167  |      | 6636  | 8538                                 | 9247  | 10633 |      |
| 331 Wood products, except furniture              |      | 15                       | 13   | 14   | 12   | 1609  | 1486                | 1666  | 2820  |      | 4746  | 4789                                 | 6361  | 7718  |      |
| 3311 Sawmills, planing and other wood mills      |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 3312 Wooden and cane containers                  |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 3319 Other wood and cork products                |      | 15                       | 13   | 14   | 12   | 1609  | 1486                | 1666  | 2820  |      | 4746  | 4789                                 | 6361  | 7718  |      |
| 332 Furniture and fixtures, excl metal           |      | 15                       | 18   | 18   | 25   | 1003  | 1136                | 1429  | 1610  |      | 2967  | 3826                                 | 4688  | 6076  |      |
| 341 Paper and products                           |      | 5                        | 7    | 7    | 7    | 1223  | 1463                | 1463  | 1433  |      | 3346  | 4610                                 | 4820  | 6329  |      |
| 3411 Pulp, paper and paperboard articles         |      | 5                        | 7    | 7    | 7    | 1223  | 1463                | 1463  | 1433  |      | 3346  | 4610                                 | 4820  | 6329  |      |
| 3412 Containers of paper and paperboard          |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 3419 Other pulp, paper and paperboard articles   |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 342 Printing and publishing                      |      | 23                       | 21   | 21   | 22   | 3001  | 3139                | 3333  | 3696  |      | 9672  | 11762                                | 12937 | 12613 |      |
| 351 Industrial chemicals                         |      | 3                        | 3    | 3    | 3    | 272   | 284                 | 319   | 336   |      | 820   | 998                                  | 1204  | 1290  |      |
| 3511 Basic chemicals excl fertilizers            |      | 3                        | 3    | 3    | 3    | 272   | 284                 | 319   | 336   |      | 820   | 998                                  | 1204  | 1290  |      |
| 3512 Fertilizers and pesticides                  |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 3513 Synthetic resins and plastic materials      |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 352 Other chemicals                              |      | 14                       | 14   | 13   | 16   | 1966  | 2311                | 2133  | 2248  |      | 5774  | 7644                                 | 7730  | 8248  |      |
| 3521 Paints, varnishes and lacquers              |      | 2                        | 2    | 2    | 2    | 206   | 211                 | 227   | 240   |      | 694   | 802                                  | 869   | 1063  |      |
| 3522 Drugs and medicines                         |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 8                        | 8    | 7    | 9    | 1137  | 1187                | 989   | 1074  |      | 3009  | 3679                                 | 3609  | 3819  |      |
| 3529 Other chemical products                     |      | 4                        | 4    | 4    | 4    | 623   | 913                 | 917   | 934   |      | 2071  | 3063                                 | 3352  | 3376  |      |
| 353 Petroleum refineries                         |      | 1                        | 1    | 1    | 1    | 1257  | 1448                | 1433  | 1471  |      | 16861 | 14211                                | 16082 | 18063 |      |



|   |     |     |     |     |      |       |       |        |        |        |        |        |
|---|-----|-----|-----|-----|------|-------|-------|--------|--------|--------|--------|--------|
| 354 Misc petroleum and coal products            | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 355 Rubber products                             | 4   | 4   | 5   | 4   | 1672 | 1799  | 1904  | 1849   | 5753   | 8579   | 9110   | 7156   |
| 3551 Tyres and tubes                            | 4   | 4   | 5   | 4   | 1672 | 1799  | 1904  | 1849   | 5753   | 8579   | 9110   | 7156   |
| 3559 Other rubber products                      | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 356 Plastic products                            | 9   | 10  | 9   | 9   | 1455 | 1521  | 1671  | 1598   | 3692   | 4674   | 5553   | 5479   |
| 361 Pottery, china, earthenware                 | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 362 Glass and products                          | 2   | 2   | 2   | 2   | 777  | 722   | 675   | 812    | 2207   | 2309   | 2385   | 2791   |
| 369 Other non-metallic mineral products         | 30  | 31  | 32  | 29  | 3580 | 3594  | 3851  | 3505   | 9687   | 10527  | 9416   | 9176   |
| 3691 Structural clay products                   | 21  | 21  | 23  | 20  | 1470 | 1244  | 1499  | 1361   | 2378   | 2883   | 2655   | 2518   |
| 3692 Cement, lime and plaster                   | 6   | 7   | 6   | 6   | 1667 | 1802  | 1739  | 1557   | 6358   | 8352   | 6506   | 5423   |
| 3699 Other non-metallic mineral products        | 3   | 3   | 3   | 3   | 443  | 548   | 613   | 587    | 961    | 1292   | 1254   | 1235   |
| 371 Iron and steel                              | 3   | 3   | 3   | 3   | 767  | 857   | 990   | 922    | 2744   | 3642   | 4892   | 4102   |
| 372 Non-ferrous metals                          | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 381 Fabricated metal products                   | 26  | 25  | 25  | 24  | 1833 | 1939  | 2000  | 2199   | 6389   | 7301   | 8174   | 8744   |
| 3811 Cutlery, hand tools and general hardware   | 10  | 9   | 9   | 8   | 650  | 761   | 757   | 760    | 2104   | 2464   | 2487   | 2675   |
| 3812 Furniture and fixtures primarily of metal  | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3813 Structural metal products                  | 9   | 9   | 9   | 8   | 306  | 303   | 315   | 295    | 1391   | 1744   | 1745   | 1625   |
| 3819 Other fabricated metal products            | 7   | 7   | 7   | 8   | 877  | 875   | 928   | 1144   | 2894   | 3103   | 3942   | 4444   |
| 382 Non-electrical machinery                    | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3821 Engines and turbines                       | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3822 Agricultural machinery and equipment       | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3823 Metal and wood working machinery           | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3824 Other special industrial machinery         | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3825 Office, computing and accounting machinery | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3829 Other non-electrical machinery & equipment | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 383 Electrical machinery                        | 3   | 3   | 3   | 2   | 96   | 110   | 109   | 112    | 396    | 414    | 492    | 497    |
| 3831 Electrical industrial machinery            | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3832 Radio, television and communication equipm | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3833 Electrical appliances and housewares       | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3839 Other electrical apparatus and supplies    | 3   | 3   | 3   | 2   | 96   | 110   | 109   | 112    | 396    | 414    | 492    | 497    |
| 384 Transport equipment                         | 3   | 3   | 3   | 3   | 411  | 477   | 502   | 534    | 3380   | 4189   | 4235   | 3776   |
| 3841 Shipbuilding and repairing                 | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3842 Railroad equipment                         | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3843 Motor vehicles                             | 3   | 3   | 3   | 3   | 411  | 477   | 502   | 534    | 3380   | 4189   | 4235   | 3776   |
| 3844 Motorcycles and bicycles                   | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3845 Aircraft                                   | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3849 Other transport equipment                  | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 385 Professional and scientific equipment       | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3851 Prof. and scientific equipment n e c       | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3852 Photographic and optical goods             | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3853 Watches and clocks                         | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 390 Other manufacturing industries              | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3901 Jewellery and related articles             | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3902 Musical instruments                        | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3903 Sporting and athletic goods                | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3909 Manufacturing industries, n e c            | -   | -   | -   | -   | -    | -     | -     | -      | -      | -      | -      | -      |
| 3 Total manufacturing                           | 405 | 409 | 414 | 411 | 8814 | 95017 | 98673 | 100681 | 242592 | 284882 | 306564 | 318757 |

a/ 3118 includes 3119

## Ethiopia

| ISIC Industry                                    | Note | Output in producers' prices |        |        |        | Note   | Value added in producers' prices |        |        |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-----------------------------|--------|--------|--------|--------|----------------------------------|--------|--------|------|--------------------------------|------|--|------|
|  |      | (thousand BIRR)             |        |        |        |        | (thousand BIRR)                  |        |        |      | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                        | 1987   | 1988   | 1989   |        | 1985                             | 1987   | 1988   | 1989 | 1985                           | 1989 | 1985                                       | 1989 |
| 311/2 Food Products                              |      | 542600                      | 601100 | 634300 | 766844 | 229600 | 260500                           | 271200 | 326765 | 42.3 | 42.6                           | 20.2 | 17.1                                       |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 49155                       | 64308  | 95193  | 146243 | 8109   | 20602                            | 33635  | 66290  | 16.5 | 45.3                           |      | 16.5                                       |      |
| 3112 Dairy products                              |      | 11602                       | 13527  | 14492  | 15080  | 1425   | 4380                             | 6140   | 4571   | 12.3 | 30.3                           | 24.6 | 11.1                                       |      |
| 3113 Canning, preserving of fruits & vegetables  |      | -                           | -      | -      | -      | -      | -                                | -      | -      | -    | -                              | -    | -  |      |
| 3114 Canning, preserving and processing of fish  |      | -                           | -      | -      | -      | -      | -                                | -      | -      | -    | -                              | -    | -  |      |
| 3115 Vegetable and animal oils and fats          |      | 44327                       | 70701  | 57715  | 54783  | 17077  | 24181                            | 22053  | 17151  | 38.5 | 31.3                           | 22.2 | 39.3                                       |      |
| 3116 Grain mill products                         |      | 164131                      | 153766 | 169225 | 199243 | 36077  | 33459                            | 38626  | 39090  | 22.0 | 19.6                           | 20.7 | 26.5                                       |      |
| 3117 Bakery products                             |      | 70709                       | 67252  | 68813  | 81231  | 20819  | 18860                            | 21628  | 24511  | 29.4 | 30.2                           | 28.2 | 25.3                                       |      |
| 3118 Sugar factories and refineries              |      | 174164                      | 190135 | 178105 | 212344 | 127414 | 136922                           | 116799 | 139595 | 73.2 | 65.7                           | 12.6 | 12.4                                       |      |
| 3119 Cocoa, chocolate and sugar confectionery    | a/   | -                           | -      | -      | -      | -      | -                                | -      | -      | -    | -                              | -    | -  |      |
| 3121 Other food products                         | a/   | 24170                       | 36241  | 45331  | 50777  | 17033  | 20917                            | 30851  | 32919  | 70.5 | 64.8                           | 14.0 | 10.2                                       |      |
| 3122 Prepared animal feeds                       |      | 4292                        | 5150   | 5392   | 7143   | 1643   | 1163                             | 1466   | 2638   | 38.3 | 36.9                           | 26.4 | 12.7                                       |      |
| 313 Beverages                                    |      | 408700                      | 466600 | 515700 | 539681 | 291200 | 317900                           | 357000 | 387123 | 71.3 | 71.7                           | 8.8  | 8.7  |      |
| 3131 Distilling, rectifying and blending spirits |      | 47834                       | 59981  | 47921  | 62652  | 41847  | 54881                            | 42904  | 66636  | 87.5 | 90.4                           | 5.3  | 7.1  |      |
| 3132 Wine industries                             |      | 18030                       | 20605  | 19977  | 22294  | 12376  | 14650                            | 13944  | 18319  | 68.6 | 73.2                           | 17.9 | 16.1                                       |      |
| 3133 Malt liquors and malt                       |      | 246706                      | 263324 | 312562 | 311617 | 185294 | 192223                           | 232371 | 233890 | 76.7 | 75.1                           | 6.6  | 6.3  |      |
| 3134 Soft drinks and carbonated waters           |      | 96157                       | 122263 | 135231 | 143118 | 47694  | 55114                            | 67801  | 80279  | 49.6 | 56.1                           | 18.3 | 15.6                                       |      |
| 314 Tobacco                                      |      | 156100                      | 164300 | 167000 | 169086 | 92800  | 127700                           | 123600 | 134580 | 59.4 | 79.6                           | 2.8  | 2.2  |      |
| 321 Textiles                                     |      | 375000                      | 461900 | 469500 | 385287 | 143700 | 210200                           | 203100 | 159857 | 38.3 | 41.4                           | 49.5 | 58.2                                       |      |
| 3211 Spinning, weaving and finishing textiles    |      | 328292                      | 395688 | 408160 | 328485 | 124950 | 176256                           | 177092 | 138058 | 38.1 | 42.0                           | 49.4 | 58.1                                       |      |
| 3212 Made-up textile goods excl. wearing apparel |      | -                           | -      | -      | -      | -      | -                                | -      | -      | -    | -                              | -    | -  |      |
| 3213 Knitting mills                              |      | 10583                       | 14019  | 13546  | 15175  | 5870   | 8425                             | 4058   | 5443   | 55.5 | 35.9                           | 37.9 | 68.4                                       |      |
| 3214 Carpets and rugs                            |      | -                           | -      | -      | -      | -      | -                                | -      | -      | -    | -                              | -    | -  |      |
| 3215 Cordage, rope and twine                     |      | 36149                       | 52154  | 47760  | 42627  | 12884  | 25539                            | 21929  | 16366  | 35.6 | 38.4                           | 55.0 | 55.5                                       |      |
| 3219 Other textiles                              |      | -                           | -      | -      | -      | -      | -                                | -      | -      | -    | -                              | -    | -  |      |
| 322 wearing apparel, except footwear             |      | 53100                       | 63000  | 76000  | 74351  | 22400  | 17700                            | 20700  | 24369  | 42.2 | 32.8                           | 27.1 | 42.2                                       |      |
| 323 Leather and fur products                     |      | 86800                       | 124000 | 166800 | 186435 | 25800  | 51200                            | 66700  | 65991  | 30.9 | 35.4                           | 25.2 | 18.7                                       |      |
| 3231 Tanneries and leather finishing             |      | 86768                       | 123957 | 166805 | 186435 | 26770  | 51183                            | 66749  | 65991  | 30.9 | 35.4                           | 26.2 | 18.7                                       |      |
| 3232 Fur dressing and dyeing industries          |      | -                           | -      | -      | -      | -      | -                                | -      | -      | -    | -                              | -    | -  |      |
| 3233 Leather prods. excl. wearing apparel        |      | -                           | -      | -      | -      | -      | -                                | -      | -      | -    | -                              | -    | -  |      |
| 324 Footwear, except rubber or plastic           |      | 50900                       | 56900  | 66800  | 68477  | 20200  | 21700                            | 22600  | 23141  | 39.7 | 33.8                           | 32.9 | 45.5                                       |      |
| 331 Wood products, except furniture              |      | 21600                       | 25200  | 28600  | 27438  | 12000  | 14400                            | 15700  | 14164  | 55.6 | 51.6                           | 39.5 | 54.5                                       |      |
| 3311 Sawmills, planing and other wood mills      |      | -                           | -      | -      | -      | -      | -                                | -      | -      | -    | -                              | -    | -  |      |
| 3312 Wooden and cane containers                  |      | -                           | -      | -      | -      | -      | -                                | -      | -      | -    | -                              | -    | -  |      |
| 3319 Other wood and cork products                |      | 21556                       | 25249  | 28554  | 27438  | 12008  | 14388                            | 15701  | 14164  | 55.7 | 51.6                           | 39.5 | 54.5                                       |      |
| 332 Furniture and fixtures, excl. metal          |      | 18600                       | 16600  | 17100  | 18657  | 7800   | 8900                             | 10000  | 10560  | 41.9 | 56.6                           | 38.0 | 48.1                                       |      |
| 341 Paper and products                           |      | 43200                       | 51100  | 44400  | 47420  | 18400  | 21800                            | 13000  | 12952  | 42.6 | 27.3                           | 18.2 | 41.1                                       |      |
| 3411 Pulp, paper and paperboard articles         |      | 43174                       | 51103  | 44357  | 47420  | 18427  | 21801                            | 13038  | 12952  | 42.7 | 27.3                           | 18.2 | 41.1                                       |      |
| 3412 Containers of paper and paperboard          |      | -                           | -      | -      | -      | -      | -                                | -      | -      | -    | -                              | -    | -  |      |
| 3419 Other pulp, paper and paperboard articles   |      | -                           | -      | -      | -      | -      | -                                | -      | -      | -    | -                              | -    | -  |      |
| 342 Printing and publishing                      |      | 55100                       | 66200  | 62500  | 65867  | 35300  | 42400                            | 38000  | 40262  | 64.1 | 61.1                           | 27.4 | 31.1                                       |      |
| 351 Industrial chemicals                         |      | 5500                        | 6000   | 7200   | 6558   | 2500   | 4000                             | 4500   | 4248   | 45.5 | 63.8                           | 32.8 | 30.4                                       |      |
| 3511 Basic chemicals excl. fertilizers           |      | 5477                        | 6007   | 7161   | 6558   | 2474   | 3975                             | 4582   | 4248   | 45.2 | 63.8                           | 33.1 | 30.4                                       |      |
| 3512 Fertilizers and pesticides                  |      | -                           | -      | -      | -      | -      | -                                | -      | -      | -    | -                              | -    | -  |      |
| 3513 Synthetic resins and plastic materials      |      | -                           | -      | -      | -      | -      | -                                | -      | -      | -    | -                              | -    | -  |      |
| 352 Other chemicals                              |      | 92300                       | 125500 | 108300 | 92560  | 43100  | 53700                            | 45100  | 35503  | 45.7 | 38.4                           | 13.4 | 23.2                                       |      |
| 3521 Paints, varnishes and lacquers              |      | 15714                       | 16048  | 14238  | 11865  | 7812   | 6709                             | 4711   | 1979   | 49.7 | 16.7                           | 8.9  | 53.2                                       |      |
| 3522 Drugs and medicines                         |      | -                           | -      | -      | -      | -      | -                                | -      | -      | -    | -                              | -    | -  |      |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      | 47160                       | 63237  | 50081  | 37383  | 20814  | 27221                            | 22924  | 14548  | 44.1 | 38.9                           | 14.5 | 26.3                                       |      |
| 3529 Other chemical products                     |      | 29429                       | 46310  | 43983  | 43412  | 14491  | 19804                            | 17431  | 19076  | 49.2 | 43.9                           | 14.3 | 17.7                                       |      |
| 353 Petroleum refineries                         |      | 576400                      | 576100 | 578500 | 638952 | 110800 | 265300                           | 199300 | 271838 | 19.2 | 42.5                           | 14.3 | 6.6  |      |

|   |         |         |         |         |         |         |         |         |      |      |      |      |   |
|---|---------|---------|---------|---------|---------|---------|---------|---------|------|------|------|------|---|
| 354 Misc petroleum and coal products            | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    | - |
| 355 Rubber products                             | 56600   | 60800   | 62300   | 53863   | 26900   | 28900   | 25600   | 20223   | 47.5 | 37.5 | 21.4 | 35.4 |   |
| 3551 Tyres and tubes                            | 56635   | 60841   | 62333   | 53863   | 26944   | 28901   | 25627   | 20223   | 47.6 | 37.6 | 21.4 | 35.4 |   |
| 3559 Other rubber products                      | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 356 Plastic products                            | 44000   | 52400   | 51200   | 48528   | 22700   | 26700   | 24000   | 20116   | 51.6 | 41.6 | 16.3 | 27.2 |   |
| 361 Pottery, china, earthenware                 | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 362 Glass and products                          | 15800   | 7200    | 8200    | 13264   | 7400    | 2100    | 1500    | 3780    | 46.8 | 28.5 | 29.8 | 73.8 |   |
| 369 Other non-metallic mineral products         | 71700   | 76900   | 88100   | 91360   | 38300   | 32000   | 40400   | 37978   | 53.4 | 41.6 | 25.3 | 24.2 |   |
| 3691 Structural clay products                   | 10102   | 8562    | 8752    | 10793   | 4946    | 3410    | 3825    | 5717    | 49.0 | 53.0 | 48.1 | 44.0 |   |
| 3692 Cement, lime and plaster                   | 56936   | 63828   | 75494   | 77282   | 31507   | 26063   | 34504   | 30335   | 55.3 | 39.3 | 20.2 | 17.9 |   |
| 3699 Other non-metallic mineral products        | 4690    | 4533    | 3870    | 3305    | 1808    | 2509    | 2083    | 1928    | 38.6 | 58.3 | 62.6 | 64.1 |   |
| 371 Iron and steel                              | 70500   | 73400   | 79900   | 67051   | 16700   | 19700   | 23400   | 13328   | 22.3 | 19.9 | 17.5 | 30.8 |   |
| 372 Non-ferrous metals                          | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 381 Fabricated metal products                   | 53200   | 60100   | 58800   | 60205   | 25000   | 29100   | 25600   | 26981   | 47.0 | 44.8 | 25.6 | 32.4 |   |
| 3811 Cutlery, hand tools and general hardware   | 15926   | 17060   | 16629   | 15621   | 8925    | 9734    | 9120    | 8484    | 56.0 | 54.3 | 23.6 | 31.5 |   |
| 3812 Furniture and fixtures primarily of metal  | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3813 Structural metal products                  | 4524    | 5650    | 5403    | 5432    | 2717    | 3056    | 3027    | 2978    | 60.1 | 54.8 | 51.2 | 54.6 |   |
| 3819 Other fabricated metal products            | 32748   | 37378   | 36786   | 39152   | 13364   | 16341   | 13434   | 15519   | 40.8 | 39.5 | 21.7 | 28.6 |   |
| 382 Non-electrical machinery                    | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3821 Engines and turbines                       | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3822 Agricultural machinery and equipment       | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3823 Metal and wood working machinery           | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3824 Other special industrial machinery         | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3825 Office, computing and accounting machinery | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3829 Other non-electrical machinery & equipment | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 383 Electrical machinery                        | 2900    | 2300    | 2700    | 2768    | 1700    | 1500    | 1500    | 1423    | 58.6 | 51.4 | 23.3 | 34.9 |   |
| 3831 Electrical industrial machinery            | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3832 Radio, television and communication equipm | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3833 Electrical appliances and housewares       | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3839 Other electrical apparatus and supplies    | 2938    | 2802    | 2737    | 2768    | 1687    | 1504    | 1526    | 1423    | 57.4 | 51.4 | 23.5 | 34.9 |   |
| 384 Transport equipment                         | 46600   | 71000   | 62900   | 48067   | 13900   | 20200   | 29000   | 27556   | 29.8 | 57.3 | 24.3 | 13.7 |   |
| 3841 Shipbuilding and repairing                 | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3842 Railroad equipment                         | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3843 Motor vehicles                             | 46568   | 70986   | 62900   | 48067   | 13913   | 20191   | 28975   | 27556   | 29.9 | 57.3 | 24.3 | 13.7 |   |
| 3844 Motorcycles and bicycles                   | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3845 Aircraft                                   | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3849 Other transport equipment                  | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 385 Professional and scientific equipment       | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3851 Prof and scientific equipment n.e.c        | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3852 Photographic and optical goods             | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3853 Watches and clocks                         | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 390 Other manufacturing industries              | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3901 Jewellery and related articles             | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3902 Musical instruments                        | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3903 Sporting and athletic goods                | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3909 Manufacturing industries, n.e.c            | -       | -       | -       | -       | -       | -       | -       | -       | -    | -    | -    | -    |   |
| 3 Total manufacturing                           | 2847200 | 3209200 | 3356800 | 3473919 | 1208200 | 1575600 | 1561600 | 1662837 | 42.4 | 47.9 | 20.1 | 19.2 |   |

a/ 3118 includes 3119

## Ethiopia

| ISIC Industry                             | Gross fixed capital formation |                 |       |       |       | Index numbers of industrial production |            |      |      |      |      |      |      |      |      |  |
|---|-------------------------------|-----------------|-------|-------|-------|--|------------|------|------|------|------|------|------|------|------|--|
|   | Note                          | (thousand BIRR) |       |       |       | Note                                   | (1980=100) |      |      |      |      |      |      |      |      |  |
|   |                               | 1985            | 1987  | 1988  | 1989  |  | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |  |
| 311/2 Food Products                       |                               | 17260           | 10000 | 24120 | 12920 |  | 113        | 120  | 115  | 115  | 121  | 118  |      |      |      |  |
| 313 Beverages                             |                               | 10060           | 6450  | 8640  | 3900  |  | 189        | 196  | 209  | 208  | 197  | 173  |      |      |      |  |
| 314 Tobacco                               |                               | 910             | 760   | 3650  | 3730  |  | 214        | 258  | 258  | 286  | 252  | 238  |      |      |      |  |
| 321 Textiles                              |                               | 6730            | 4730  | 12110 | 8320  |  | 108        | 116  | 127  | 135  | 115  | 124  |      |      |      |  |
| 322 Wearing apparel, except footwear      |                               | 610             | 1020  | 670   | 1740  |  | 114        | 125  | 93   | 97   | 92   | 122  |      |      |      |  |
| 323 Leather and fur products              |                               | 1650            | 1980  | 2600  | 1800  |  | 157        | 181  | 199  | 233  | 274  | 234  |      |      |      |  |
| 324 Footwear, except rubber or plastic    |                               | 940             | 2720  | 1600  | 1730  |  | 151        | 151  | 186  | 203  | 206  | 173  |      |      |      |  |
| 331 Wood products, except furniture       |                               | 860             | 1010  | 1590  | 550   | a/                                     | 66         | 69   | 70   | 72   | 74   | 68   |      |      |      |  |
| 332 Furniture and fixtures, excl metal    |                               | 210             | 270   | 170   | 170   | a/                                     | ...        | ...  | ...  | ...  | ...  | ...  |      |      |      |  |
| 341 Paper and products                    |                               | 880             | 690   | 210   | 1390  |  | 168        | 178  | 185  | 159  | 151  | 134  |      |      |      |  |
| 342 Printing and publishing               |                               | 1430            | 2260  | 870   | 890   |  | 146        | 157  | 168  | 172  | 173  | 187  |      |      |      |  |
| 351 Industrial chemicals                  |                               | 2220            | 1420  | 390   | 320   | b/                                     | 184        | 166  | 238  | 188  | 152  | 122  |      |      |      |  |
| 352 Other chemicals                       |                               | 2360            | 2290  | 5360  | 3640  | b/                                     | ...        | ...  | ...  | ...  | ...  | ...  |      |      |      |  |
| 353 Petroleum refineries                  |                               | 14460           | 11970 | 3430  | 7580  | b/                                     | ...        | ...  | ...  | ...  | ...  | ...  |      |      |      |  |
| 354 Misc petroleum and coal products      |                               | -               | -     | -     | -     |  | ...        | ...  | ...  | ...  | ...  | ...  |      |      |      |  |
| 355 Rubber products                       |                               | 880             | 380   | 690   | 970   |  | 138        | 125  | 145  | 142  | 104  | 137  |      |      |      |  |
| 356 Plastic products                      |                               | 1340            | 1130  | 830   | 560   |  | 110        | 131  | 119  | 170  | 122  | 163  |      |      |      |  |
| 361 Pottery, china, earthenware           |                               | -               | -     | -     | -     | c/                                     | 205        | 250  | 268  | 319  | 343  | 268  |      |      |      |  |
| 362 Glass and products                    |                               | 1730            | 1590  | 150   | 1800  | c/                                     | ...        | ...  | ...  | ...  | ...  | ...  |      |      |      |  |
| 369 Other non-metallic mineral products   |                               | 630             | 2040  | 3000  | 1170  | c/                                     | ...        | ...  | ...  | ...  | ...  | ...  |      |      |      |  |
| 371 Iron and steel                        |                               | 390             | 1330  | 880   | 340   |  | ...        | ...  | ...  | ...  | ...  | ...  |      |      |      |  |
| 372 Non-ferrous metals                    |                               | -               | -     | -     | -     |  | ...        | ...  | ...  | ...  | ...  | ...  |      |      |      |  |
| 381 Fabricated metal products             |                               | 1370            | 620   | 8840  | 3220  | d/                                     | 137        | 130  | 139  | 144  | 108  | 92   |      |      |      |  |
| 382 Non-electrical machinery              |                               | 180             | 10    | 20    | 60    | d/                                     | ...        | ...  | ...  | ...  | ...  | ...  |      |      |      |  |
| 383 Electrical machinery                  |                               | 10630           | 4130  | 1630  | 2260  | d/                                     | ...        | ...  | ...  | ...  | ...  | ...  |      |      |      |  |
| 384 Transport equipment                   |                               | -               | -     | -     | -     |  | ...        | ...  | ...  | ...  | ...  | ...  |      |      |      |  |
| 385 Professional and scientific equipment |                               | -               | -     | -     | -     |  | ...        | ...  | ...  | ...  | ...  | ...  |      |      |      |  |
| 390 Other manufacturing industries        |                               | -               | -     | -     | -     |  | ...        | ...  | ...  | ...  | ...  | ...  |      |      |      |  |
| 3 Total manufacturing                     |                               | 77730           | 58750 | 81450 | 59060 |  | ...        | ...  | ...  | ...  | ...  | ...  |      |      |      |  |

a/ 331 includes 332  
c/ 361 includes 362 and 369

b/ 351 includes 352 and 353  
d/ 381 includes 383 and 384

## FIJI

**Supplier of information:**

Bureau of Statistics, Suva.

**Basic source of data:**

Annual Census of Industries.

**Major deviations from current version of ISIC:**

Data collected under the national classification system have been reclassified by the national authorities to correspond approximately with the current version of the ISIC.

**Reference period (if not calendar year):****Scope:**

All establishments. However, household industrial units are not fully covered due to the difficulties involved in identifying these units, with the result that handicraft industries are considerably underestimated.

**Method of enumeration:**

Questionnaires distributed by mail with follow-up site visits as required.

**Adjusted for non-response:**

Except for number of establishments, the data do not include estimates for non-response.

**Concepts and definitions of variables:**

Wages and salaries includes employers' contribution to social security schemes, the Fiji National Provident Fund, private pension arrangements, health insurance and similar schemes.

Output refers to gross output and includes non industrial services.

Value added refers to total value added, which is the same as the contribution of each branch to gross domestic product.

**Related national publications:**

Census of Industries (annual), published by the Bureau of Statistics, Suva.

| ISIC Industry                                    | Number of establishments |           |      |      | Number of employees |       |           |      | Wages and salaries paid to employees |      |        |                    |       |       |       |
|--|--------------------------|-----------|------|------|---------------------|-------|-----------|------|--------------------------------------|------|--------|--------------------|-------|-------|-------|
|  | Note                     | (numbers) |      |      |                     | Note  | (numbers) |      |                                      |      | Note   | (thousand DOLLARS) |       |       |       |
|  |                          | 1985      | 1988 | 1989 | 1990                |       | 1985      | 1988 | 1989                                 | 1990 |        | 1985               | 1988  | 1989  | 1990  |
| 311/2 Food Products                              |                          | 123       | 131  | 146  | 142                 |       | 6172      | 6307 | 7087                                 | 6386 |        | 29993              | 38135 | 36477 | 40313 |
| 3111 Slaughtering, preparing & preserving meat   |                          | 4         | 6    | 6    | 4                   |       | 75        | 94   | 82                                   | 88   |        | 344                | 405   | 424   | 534   |
| 3112 Dairy products                              |                          | 6         | 6    | 6    | 6                   |       | 331       | 300  | 286                                  | 281  |        | 2076               | 2159  | 2297  | 2358  |
| 3113 Canning, preserving of fruits & vegetables  | a/                       | 7         | 13   | 13   | 11                  | a/    | 569       | 416  | 1434                                 | 1567 | a/     | 2309               | 7654  | 5855  | 6173  |
| 3114 Canning, preserving and processing of fish  | a/                       |           |      |      |                     | a/    |           |      |                                      |      | a/     |                    |       |       |       |
| 3115 Vegetable and animal oils and fats          |                          | 7         | 5    | 4    | 6                   |       | 161       | 100  | 128                                  | 135  |        | 888                | 309   | 612   | 956   |
| 3116 Grain mill products                         |                          | 14        | 18   | 16   | 17                  |       | 284       | 280  | 188                                  | 93   |        | 1392               | 1347  | 1257  | 1077  |
| 3117 Bakery products                             |                          | 44        | 50   | 57   | 54                  |       | 606       | 640  | 692                                  | 514  |        | 1755               | 2202  | 2754  | 2564  |
| 3118 Sugar factories and refineries              |                          | 4         | 1    | 1    | 1                   |       | 3822      | 4028 | 3857                                 | 3284 |        | 20208              | 23078 | 21934 | 24850 |
| 3119 Cocoa, chocolate and sugar confectionery    |                          | 19        | 17   | 21   | 20                  |       | 205       | 262  | 247                                  | 256  |        | 482                | 405   | 577   | 917   |
| 3121 Other food products                         |                          | 14        | 11   | 17   | 19                  |       | 58        | 55   | 67                                   | 84   |        | 243                | 230   | 309   | 323   |
| 3122 Prepared animal feeds                       |                          | 4         | 4    | 5    | 4                   |       | 61        | 234  | 106                                  | 104  |        | 295                | 339   | 448   | 551   |
| 313 Beverages                                    | b/                       | 19        | 16   | 18   | 20                  | b/    | 559       | 486  | 555                                  | 594  | b/     | 3391               | 3678  | 4019  | 4954  |
| 3131 Distilling, rectifying and blending spirits | c/                       | 4         | 4    | 5    | 4                   | c/    | 377       | 337  | 319                                  | 393  | c/     | 2636               | 3007  | 2965  | 3596  |
| 3132 Wine industries                             | c/                       |           |      |      |                     | c/    |           |      |                                      |      | c/     |                    |       |       |       |
| 3133 Malt liquors and malt                       | c/                       |           |      |      |                     | c/    |           |      |                                      |      | c/     |                    |       |       |       |
| 3134 Soft drinks and carbonated waters           |                          | 15        | 12   | 13   | 16                  |       | 182       | 149  | 236                                  | 201  |        | 755                | 671   | 1064  | 1358  |
| 314 Tobacco                                      | b/c/                     |           |      |      |                     | b/c/  |           |      |                                      |      | b/c/   |                    |       |       |       |
| 321 Textiles                                     | d/                       | 131       | 178  | 212  | 224                 | d/    | 1537      | 3212 | 5837                                 | 7090 | d/     | 2707               | 5356  | 11087 | 17919 |
| 3211 Spinning, weaving and finishing textiles    |                          |           |      |      |                     |       |           |      |                                      |      |        |                    |       |       |       |
| 3212 Made-up textile goods excl wearing apparel  |                          |           |      |      |                     |       |           |      |                                      |      |        |                    |       |       |       |
| 3213 Knitting mills                              |                          |           |      |      |                     |       |           |      |                                      |      |        |                    |       |       |       |
| 3214 Carpets and rugs                            |                          |           |      |      |                     |       |           |      |                                      |      |        |                    |       |       |       |
| 3215 Cordage, rope and twine                     |                          |           |      |      |                     |       |           |      |                                      |      |        |                    |       |       |       |
| 3219 Other textiles                              |                          |           |      |      |                     |       |           |      |                                      |      |        |                    |       |       |       |
| 322 Wearing apparel, except footwear             | d/                       |           |      |      |                     | d/    |           |      |                                      |      | d/     |                    |       |       |       |
| 323 Leather and fur products                     | e/                       | 6         | 12   | 17   | 18                  | e/    | 57        | 168  | 180                                  | 322  | e/     | 72                 | 335   | 412   | 941   |
| 3231 Tanneries and leather finishing             |                          |           |      |      |                     |       |           |      |                                      |      |        |                    |       |       |       |
| 3232 Fur dressing and dyeing industries          |                          |           |      |      |                     |       |           |      |                                      |      |        |                    |       |       |       |
| 3233 Leather prods excl wearing apparel          |                          |           |      |      |                     |       |           |      |                                      |      |        |                    |       |       |       |
| 324 Footwear, except rubber or plastic           | e/                       |           |      |      |                     | e/    |           |      |                                      |      | e/     |                    |       |       |       |
| 331 Wood products, except furniture              |                          | 58        | 45   | 53   | 44                  |       | 882       | 1204 | 1195                                 | 1474 |        | 4243               | 3830  | 6718  | 9788  |
| 3311 Sawmills, planing and other wood mills      |                          | 47        | 37   | 43   | 35                  |       | 849       | 1197 | 1160                                 | 1424 |        | 4056               | 3811  | 6659  | 9631  |
| 3312 Wooden and cane containers                  | f/                       | 11        | 8    | 10   | 9                   | f/    | 83        | 7    | 35                                   | 50   | f/     | 187                | 19    | 59    | 157   |
| 3319 Other wood and cork products                | f/                       |           |      |      |                     | f/    |           |      |                                      |      | f/     |                    |       |       |       |
| 332 Furniture and fixtures, excl metal           |                          | 101       | 80   | 91   | 96                  |       | 721       | 549  | 791                                  | 956  |        | 2452               | 1604  | 2430  | 3148  |
| 341 Paper and products                           |                          | 11        | 10   | 12   | 9                   |       | 216       | 180  | 183                                  | 229  |        | 1040               | 1112  | 1449  | 1747  |
| 3411 Pulp, paper and paperboard articles         |                          |           |      |      |                     |       |           |      |                                      |      |        |                    |       |       |       |
| 3412 Containers of paper and paperboard          | g/                       | 11        | 10   | 12   | 9                   | g/    | 216       | 180  | 183                                  | 229  | g/     | 1040               | 1112  | 1449  | 1747  |
| 3419 Other pulp, paper and paperboard articles   | g/                       |           |      |      |                     | g/    |           |      |                                      |      | g/     |                    |       |       |       |
| 342 Printing and publishing                      |                          | 45        | 44   | 43   | 41                  |       | 745       | 436  | 635                                  | 843  |        | 3964               | 2690  | 4058  | 4906  |
| 351 Industrial chemicals                         |                          | -         | -    | -    | -                   |       | -         | -    | -                                    | -    |        | -                  | -     | -     | -     |
| 3511 Basic chemicals excl fertilizers            |                          | -         | -    | -    | -                   |       | -         | -    | -                                    | -    |        | -                  | -     | -     | -     |
| 3512 Fertilizers and pesticides                  |                          | -         | -    | -    | -                   |       | -         | -    | -                                    | -    |        | -                  | -     | -     | -     |
| 3513 Synthetic resins and plastic materials      |                          | -         | -    | -    | -                   |       | -         | -    | -                                    | -    |        | -                  | -     | -     | -     |
| 352 Other chemicals                              | 20h/                     | 29        | 29   | 26   | 26                  | 348h/ | 370       | 400  | 493                                  | 493  | 2495h/ | 2758               | 2545  | 2562  | 3562  |
| 3521 Paints, varnishes and lacquers              |                          | 4         | 6    | 6    | 6                   |       | 95        | 106  | 131                                  | 154  |        | 754                | 787   | 899   | 922   |
| 3522 Drugs and medicines                         |                          |           |      |      |                     |       |           |      |                                      |      |        |                    |       |       |       |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |                          | 11        | 13   | 13   | 11                  |       | 178       | 179  | 189                                  | 240  |        | 1052               | 1262  | 897   | 1917  |
| 3529 Other chemical products                     |                          | 5         | 10   | 10   | 9                   |       | 75        | 85   | 80                                   | 99   |        | 689                | 709   | 749   | 723   |
| 353 Petroleum refineries                         |                          | -         | -    | -    | -                   |       | -         | -    | -                                    | -    |        | -                  | -     | -     | -     |

|   |    |       |     |     |     |         |       |       |       |         |       |       |       |
|---|----|-------|-----|-----|-----|---------|-------|-------|-------|---------|-------|-------|-------|
| 354 Misc petroleum and coal products            |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 355 Rubber products                             |    | 5     | 5   | 7   | 7   | 107     | 101   | 127   | 121   | 613     | 437   | 490   | 612   |
| 3551 Tyres and tubes                            |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 3559 Other rubber products                      |    | 5     | 5   | 7   | 7   | 107     | 101   | 127   | 121   | 613     | 437   | 490   | 612   |
| 356 Plastic products                            |    | 15    | 14  | 15  | 13  | 217     | 167   | 188   | 266   | 830     | 696   | 838   | 1330  |
| 361 Pottery, china, earthenware                 |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 362 Glass and products                          |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 369 Other non-metallic mineral products         | 1/ | 16    | 21  | 23  | 21  | 386     | 206   | 293   | 324   | 2953    | 1409  | 2244  | 3739  |
| 3631 Structural clay products                   |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 3692 Cement, lime and plaster                   |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 3699 Other non-metallic mineral products        |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 371 Iron and steel                              | 1/ | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 372 Non-ferrous metals                          |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 381 Fabricated metal products                   |    | 71    | 64  | 69  | 70  | 629     | 475   | 602   | 766   | 2614    | 2661  | 2941  | 3747  |
| 3811 Cutlery, hand tools and general hardware   |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 3812 Furniture and fixtures primarily of metal  |    | 5     | 4   | 7   | 7   | 52      | 26    | 40    | 43    | 168     | 93    | 132   | 177   |
| 3813 Structural metal products                  |    | 39    | 31  | 35  | 37  | 368     | 224   | 316   | 404   | 1796    | 1135  | 1842  | 2120  |
| 3819 Other fabricated metal products            |    | 27    | 29  | 27  | 26  | 209     | 225   | 246   | 309   | 650     | 1423  | 967   | 1460  |
| 382 Non-electrical machinery                    | J/ | 39    | 39  | 37  | 32  | 183     | 189   | 238   | 226   | 1142    | 923   | 1073  | 941   |
| 3821 Engines and turbines                       |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 3822 Agricultural machinery and equipment       |    | 23    | 21  | 22  | 19  | 64      | 61    | 110   | 165   | 367     | 223   | 437   | 699   |
| 3823 Metal and wood working machinery           |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 3824 Other special industrial machinery         |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 3825 Office, computing and accounting machinery |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 3829 Other non-electrical machinery & equipment | k/ | 16    | 18  | 15  | 13  | 119     | 128   | 128   | 71    | 775     | 700   | 635   | 242   |
| 383 Electrical machinery                        | J/ | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 3831 Electrical industrial machinery            | k/ | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 3832 Radio, television and communication equipm |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 3833 Electrical appliances and housewares       |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 3839 Other electrical apparatus and supplies    |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 384 Transport equipment                         |    | 12    | 12  | 14  | 14  | 332     | 205   | 301   | 320   | 2296    | 1398  | 1575  | 1319  |
| 3841 Shipbuilding and repairing                 |    | 7     | 7   | 9   | 11  | 232     | 148   | 219   | 247   | 2066    | 1180  | 1311  | 1068  |
| 3842 Railroad equipment                         |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 3843 Motor vehicles                             |    | 5     | 5   | 5   | 3   | 60      | 57    | 82    | 73    | 240     | 218   | 264   | 261   |
| 3844 Motorcycles and bicycles                   |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 3845 Aircraft                                   |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 3849 Other transport equipment                  |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 385 Professional and scientific equipment       |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 3851 Prof and scientific equipment n e c        |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 3852 Photographic and optical goods             |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 3853 Watches and clocks                         |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 390 Other manufacturing industries              |    | 30    | 43  | 50  | 49  | 131     | 225   | 276   | 281   | 294     | 685   | 731   | 857   |
| 3901 Jewellery and related articles             |    | 13    | 13  | 20  | 19  | 29      | 35    | 62    | 77    | 67      | 102   | 184   | 240   |
| 3902 Musical instruments                        |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 3903 Sporting and athletic goods                |    | -     | -   | -   | -   | -       | -     | -     | -     | -       | -     | -     | -     |
| 3909 Manufacturing industries, n e c            |    | 17    | 30  | 30  | 30  | 102     | 190   | 214   | 204   | 227     | 683   | 647   | 617   |
| 3 Total manufacturing                           |    | 702h/ | 743 | 836 | 826 | 13222h/ | 14480 | 18866 | 20671 | 60999h/ | 67497 | 79085 | 99823 |

a/ 3113 includes 3114  
c/ 3131 includes 3132, 3133 and 314  
e/ 323 includes 324  
g/ 3412 includes 3419  
1/ 369 includes 371  
k/ 3829 includes 3831

b/ 313 includes 314  
d/ 321 includes 322  
f/ 3312 includes 3319.  
h/ Electricity, gas and steam are included in 352  
j/ 382 includes 383.

## Fiji

## Output in producers' prices

(thousand DOLLARS)

| ISIC Industry                                    | Note | 1985    | 1988   | 1989   | 1990   |
|--|------|---------|--------|--------|--------|
| 311/2 Food Products                              |      | 230182  | 370829 | 507917 | 492159 |
| 3111 Slaughtering, preparing & preserving meat   |      | 1112    | 1497   | 1491   | 1661   |
| 3112 Dairy products                              |      | 17780   | 22047  | 24439  | 28146  |
| 3113 Canning, preserving of fruits & vegetables  | a/   | 16626   | 59778  | 67745  | 66741  |
| 3114 Canning, preserving and processing of fish  | a/   |         |        |        |        |
| 3115 Vegetable and animal oils and fats          |      | 26244   | 14143  | 21273  | 31788  |
| 3116 Grain mill products                         |      | 33809   | 36086  | 44834  | 35702  |
| 3117 Bakery products                             |      | 12980   | 19840  | 25184  | 28206  |
| 3118 Sugar factories and refineries              |      | 105467  | 198625 | 296567 | 264663 |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 4792    | 6602   | 11765  | 18378  |
| 3121 Other food products                         |      | 4664    | 4224   | 5021   | 5328   |
| 3122 Prepared animal feeds                       |      | 6708    | 7987   | 9596   | 11546  |
| 313 Beverages                                    | b/   | 53916   | 68415  | 72248  | 90028  |
| 3131 Distilling, rectifying and blending spirits | c/   | 49056   | 63771  | 63069  | 79051  |
| 3132 Wine industries                             | c/   |         |        |        |        |
| 3133 Malt liquors and malt                       | c/   |         |        |        |        |
| 3134 Soft drinks and carbonated waters           | c/   | 4860    | 4644   | 9179   | 10977  |
| 314 Tobacco                                      | b/c/ |         |        |        |        |
| 321 Textiles                                     | d/   | 17185   | 28253  | 55589  | 91211  |
| 3211 Spinning, weaving and finishing textiles    |      |         |        |        |        |
| 3212 Made-up textile goods excl wearing apparel  |      |         |        |        |        |
| 3213 Knitting mills                              |      |         |        |        |        |
| 3214 Carpets and rugs                            |      |         |        |        |        |
| 3215 Cordage, rope and twine                     |      |         |        |        |        |
| 3219 Other textiles                              |      |         |        |        |        |
| 322 Wearing apparel, except footwear             | d/   |         |        |        |        |
| 323 Leather and fur products                     | e/   | 388     | 2807   | 3147   | 4693   |
| 3231 Tanneries and leather finishing             |      |         |        |        |        |
| 3232 Fur dressing and dyeing industries          |      |         |        |        |        |
| 3233 Leather prods excl wearing apparel          |      |         |        |        |        |
| 324 Footwear, except rubber or plastic           | e/   |         |        |        |        |
| 331 Wood products, except furniture              |      | 21481   | 31470  | 47508  | 53933  |
| 3311 Sawmills, planing and other wood mills      |      | 19691   | 31099  | 46803  | 52674  |
| 3312 Wooden and cane containers                  | f/   | 1790    | 371    | 705    | 1259   |
| 3319 Other wood and cork products                | f/   |         |        |        |        |
| 332 Furniture and fixtures, excl metal           |      | 10765   | 7261   | 12327  | 15885  |
| 341 Paper and products                           |      | 7950    | 13759  | 20028  | 22995  |
| 3411 Pulp, paper and paperboard articles         |      |         |        |        |        |
| 3412 Containers of paper and paperboard          | g/   | 7950    | 13759  | 20028  | 22995  |
| 3419 Other pulp, paper and paperboard articles   | g/   |         |        |        |        |
| 342 Printing and publishing                      |      | 13817   | 12847  | 20880  | 26449  |
| 351 Industrial chemicals                         |      | -       | -      | -      | -      |
| 3511 Basic chemicals excl fertilizers            |      | -       | -      | -      | -      |
| 3512 Fertilizers and pesticides                  |      | -       | -      | -      | -      |
| 3513 Synthetic resins and plastic materials      |      | -       | -      | -      | -      |
| 352 Other chemicals                              |      | 25044h/ | 28692  | 29658  | 42826  |
| 3521 Paints, varnishes and lacquers              |      | 7261    | 9288   | 10974  | 12303  |
| 3522 Drugs and medicines                         |      |         |        |        |        |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 14592   | 15199  | 12931  | 20165  |
| 3529 Other chemical products                     |      | 3191    | 4205   | 5753   | 10358  |
| 353 Petroleum refineries                         |      | -       | -      | -      | -      |

## Value added in producers' prices

(thousand DOLLARS)

| ISIC Industry                                    | Note | 1985   | 1988  | 1989  | 1990  | Share of value added in output (percentage) | Share of wages and salaries in value added (percentage) |
|--|------|--------|-------|-------|-------|---|---|
| 311/2 Food Products                              |      | 42579  | 76602 | 91084 | 89223 | 18.5  | 18.1  |
| 3111 Slaughtering, preparing & preserving meat   |      | 531    | 692   | 683   | 774   | 47.8  | 46.6  |
| 3112 Dairy products                              |      | 4143   | 3741  | 3355  | 4676  | 23.3  | 16.6  |
| 3113 Canning, preserving of fruits & vegetables  | a/   | 3584   | 10224 | 9187  | 10532 | 21.6  | 15.8  |
| 3114 Canning, preserving and processing of fish  | a/   |        |       |       |       |   |   |
| 3115 Vegetable and animal oils and fats          |      | 2268   | 2628  | 1846  | 3512  | 8.6   | 11.0  |
| 3116 Grain mill products                         |      | 4950   | 2244  | 4165  | 4209  | 14.6  | 11.8  |
| 3117 Bakery products                             |      | 3583   | 4485  | 6078  | 9473  | 27.7  | 33.6  |
| 3118 Sugar factories and refineries              |      | 20405  | 49700 | 62939 | 50636 | 19.3  | 19.1  |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 1298   | 1440  | 1783  | 3334  | 27.1  | 18.1  |
| 3121 Other food products                         |      | 649    | 705   | 456   | 995   | 13.9  | 18.7  |
| 3122 Prepared animal feeds                       |      | 1158   | 643   | 595   | 1082  | 17.3  | 9.4   |
| 313 Beverages                                    | b/   | 10194  | 12702 | 14163 | 20553 | 18.9  | 22.8  |
| 3131 Distilling, rectifying and blending spirits | c/   | 8644   | 11644 | 11496 | 16396 | 17.6  | 19.5  |
| 3132 Wine industries                             | c/   |        |       |       |       |   |   |
| 3133 Malt liquors and malt                       | c/   |        |       |       |       |   |   |
| 3134 Soft drinks and carbonated waters           | c/   | 1550   | 1068  | 2667  | 5167  | 31.9  | 47.0  |
| 314 Tobacco                                      | b/c/ |        |       |       |       |   |   |
| 321 Textiles                                     | d/   | 4492   | 9376  | 19178 | 23624 | 26.1  | 25.9  |
| 3211 Spinning, weaving and finishing textiles    |      |        |       |       |       |   |   |
| 3212 Made-up textile goods excl wearing apparel  |      |        |       |       |       |   |   |
| 3213 Knitting mills                              |      |        |       |       |       |   |   |
| 3214 Carpets and rugs                            |      |        |       |       |       |   |   |
| 3215 Cordage, rope and twine                     |      |        |       |       |       |   |   |
| 3219 Other textiles                              |      |        |       |       |       |   |   |
| 322 Wearing apparel, except footwear             | d/   |        |       |       |       |   |   |
| 323 Leather and fur products                     | e/   | 141    | 583   | 639   | 1212  | 36.3  | 25.8  |
| 3231 Tanneries and leather finishing             |      |        |       |       |       |   |   |
| 3232 Fur dressing and dyeing industries          |      |        |       |       |       |   |   |
| 3233 Leather prods excl wearing apparel          |      |        |       |       |       |   |   |
| 324 Footwear, except rubber or plastic           | e/   |        |       |       |       |   |   |
| 331 Wood products, except furniture              |      | 7391   | 7859  | 15305 | 16052 | 34.4  | 29.8  |
| 3311 Sawmills, planing and other wood mills      |      | 6553   | 7710  | 15161 | 15871 | 33.3  | 30.1  |
| 3312 Wooden and cane containers                  | f/   | 838    | 149   | 144   | 181   | 46.8  | 14.4  |
| 3319 Other wood and cork products                | f/   |        |       |       |       |   |   |
| 332 Furniture and fixtures, excl metal           |      | 3810   | 2181  | 3638  | 4561  | 35.4  | 28.7  |
| 341 Paper and products                           |      | 2361   | 2805  | 5285  | 7483  | 29.7  | 32.5  |
| 3411 Pulp, paper and paperboard articles         |      |        |       |       |       |   |   |
| 3412 Containers of paper and paperboard          | g/   | 2361   | 2805  | 5285  | 7483  | 29.7  | 32.5  |
| 3419 Other pulp, paper and paperboard articles   | g/   |        |       |       |       |   |   |
| 342 Printing and publishing                      |      | 5352   | 4142  | 6480  | 9184  | 38.7  | 34.7  |
| 351 Industrial chemicals                         |      | -      | -     | -     | -     |   |   |
| 3511 Basic chemicals excl fertilizers            |      | -      | -     | -     | -     |   |   |
| 3512 Fertilizers and pesticides                  |      | -      | -     | -     | -     |   |   |
| 3513 Synthetic resins and plastic materials      |      | -      | -     | -     | -     |   |   |
| 352 Other chemicals                              |      | 5879h/ | 6445  | 7223  | 10780 | 23.5  | 25.2  |
| 3521 Paints, varnishes and lacquers              |      | 1811   | 1679  | 1388  | 2596  | 24.9  | 21.1  |
| 3522 Drugs and medicines                         |      |        |       |       |       |   |   |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 2448   | 2358  | 2992  | 4293  | 16.8  | 21.3  |
| 3529 Other chemical products                     |      | 1620   | 2408  | 2843  | 3891  | 50.8  | 21.6  |
| 353 Petroleum refineries                         |      | -      | -     | -     | -     |   |   |



|  |          |        |        |        |          |        |        |        |      |      |      |      |      |      |
|--|----------|--------|--------|--------|----------|--------|--------|--------|------|------|------|------|------|------|
| 354 Misc petroleum and coal products               | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 355 Rubber products                                | 3461     | 3987   | 4742   | 6074   | 881      | 789    | 1072   | 1281   | 25 6 | 21 1 | 58 0 | 47 8 |      |      |
| 3551 Tyres and tubes                               | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 3559 Other rubber products                         | 3461     | 3987   | 4742   | 6074   | 885      | 789    | 1072   | 1281   | 25 6 | 21 1 | 58 0 | 47 8 |      |      |
| 356 Plastic products                               | 7456     | 9961   | 11889  | 15051  | 2398     | 2325   | 3362   | 5143   | 32 2 | 34 2 | 34 6 | 25 9 |      |      |
| 361 Pottery, china, earthenware                    | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 362 Glass and products                             | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 369 Other non-metallic mineral products            | 1/       | 25769  | 13155  | 18314  | 25070    | 1/     | 7649   | 2708   | 4592 | 7475 | 29 7 | 29 8 | 38 6 | 50 0 |
| 3691 Structural clay products                      | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    | -    |      |
| 3692 Cement, lime and plaster                      | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    | -    |      |
| 3699 Other non-metallic mineral products           | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    | -    |      |
| 371 Iron and steel                                 | 1/       | -      | -      | -      | -        | 1/     | -      | -      | -    | -    | -    | -    | -    |      |
| 372 Non-ferrous metals                             | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    | -    |      |
| 381 Fabricated metal products                      | 23603    | 30648  | 33447  | 37766  | 5126     | 7820   | 7009   | 8111   | 21 7 | 21 5 | 51 0 | 46 2 |      |      |
| 3811 Cutlery, hand tools and general hardware      | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 3812 Furniture and fixtures primarily of metal     | 758      | 441    | 661    | 1402   | 238      | 147    | 186    | 192    | 31 4 | 13 7 | 70 6 | 92 2 |      |      |
| 3813 Structural metal products                     | 15701    | 13695  | 19845  | 20136  | 3146     | 4329   | 4102   | 3985   | 20 0 | 19 8 | 57 1 | 53 2 |      |      |
| 3819 Other fabricated metal products               | 7144     | 16512  | 12941  | 16227  | 1742     | 3344   | 2721   | 3934   | 24 4 | 24 2 | 37 3 | 36 9 |      |      |
| 382 Non-electrical machinery                       | 1/       | 3896   | 5903   | 6946   | 5963     | 1/     | 1097   | 2227   | 1557 | 1836 | 28 2 | 30 8 | 51 3 |      |
| 3821 Engines and turbines                          | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 3822 Agricultural machinery and equipment          | 1309     | 1343   | 2090   | 3297   | 524      | 1071   | 599    | 1316   | 40 0 | 39 9 | 70 0 | 53 1 |      |      |
| 3823 Metal and wood working machinery              | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 3824 Other special industrial machinery            | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 3825 Office, computing and accounting machinery    | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 3829 Other non-electrical machinery & equipment    | k/       | 2587   | 4560   | 4856   | 2666     | k/     | 573    | 1156   | 958  | 520  | 22 1 | 19 5 | 46 6 |      |
| 383 Electrical machinery                           | 1/       | -      | -      | -      | -        | 1/     | -      | -      | -    | -    | -    | -    |      |      |
| 3831 Electrical industrial machinery               | k/       | -      | -      | -      | -        | k/     | -      | -      | -    | -    | -    | -    |      |      |
| 3832 Radio, television and communication equipment | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 3833 Electrical appliances and housewares          | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 3839 Other electrical apparatus and supplies       | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 384 Transport equipment                            | 7957     | 4109   | 6213   | 7630   | 2108m/   | 1585   | 2108   | 1641   | 28 5 | 20 2 | 85 6 | -    |      |      |
| 3841 Shipbuilding and repairing                    | 7146     | 3009   | 4622   | 5395   | 1823     | 1230   | 1671   | 1024   | 25 5 | 19 0 | -    | -    |      |      |
| 3842 Railroad equipment                            | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 3843 Motor vehicles                                | 811      | 1100   | 1591   | 2235   | 285      | 355    | 437    | 517    | 35 1 | 23 1 | 84 2 | 50 5 |      |      |
| 3844 Motorcycles and bicycles                      | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 3845 Aircraft                                      | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 3849 Other transport equipment                     | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 385 Professional and scientific equipment          | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 3851 Prof and scientific equipment n e c           | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 3852 Photographic and optical goods                | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 3853 Watches and clocks                            | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 390 Other manufacturing industries                 | 3093     | 5852   | 11079  | 13378  | 845      | 530    | 2024   | 1712   | 27 3 | 12 8 | 34 8 | 50 1 |      |      |
| 3901 Jewellery and related articles                | 1064     | 1745   | 5148   | 7292   | 232      | 263    | 392    | 524    | 21 8 | 7 2  | 28 9 | 45 8 |      |      |
| 3902 Musical instruments                           | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 3903 Sporting and athletic goods                   | -        | -      | -      | -      | -        | -      | -      | -      | -    | -    | -    | -    |      |      |
| 3909 Manufacturing industries, n e c               | 2029     | 4107   | 5931   | 6086   | 613      | 267    | 1632   | 1188   | 30 2 | 19 5 | 37 0 | 51 9 |      |      |
| 3 Total manufacturing                              | 455965h/ | 637948 | 861932 | 951111 | 102307h/ | 140579 | 184719 | 209771 | 22 4 | 22 1 | 59 6 | 47 6 |      |      |

a/ 3113 includes 3114  
c/ 3131 includes 3132, 3133 and 314  
e/ 323 includes 324  
g/ 3412 includes 3419  
i/ 369 includes 371  
k/ 3829 includes 3831

b/ 313 includes 314.  
d/ 321 includes 322.  
f/ 3312 includes 3319  
h/ Electricity, gas and steam are included in 352.  
j/ 382 includes 383.  
m/ Value added is less than corresponding wages and salaries due to operating losses.

| ISIC Industry                             | Note | Gross fixed capital formation |       |       |       | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |
|---|------|-------------------------------|-------|-------|-------|------|--|------|------|------|------|------|------|------|------|
|   |      | (thousand DOLLARS)            |       |       |       |      | (1980=100)                             |      |      |      |      |      |      |      |      |
|   |      | 1985                          | 1988  | 1989  | 1990  |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      | 8188                          | 11546 | 10622 | 32830 | a/   | 121                                    | 95   | 126  | 117  | 112  | 128  | 124  | 128  | 133  |
| 313 Beverages                             | b/   | 8215                          | 836   | 2300  | 1898  | a/   |  |      |      |      |      |      |      |      |      |
| 314 Tobacco                               | b/   |                               |       |       |       | a/   |  |      |      |      |      |      |      |      |      |
| 321 Textiles                              | c/   | 1484                          | 6052  | 9977  | 4448  |      |  |      |      |      |      |      |      |      |      |
| 322 Wearing apparel, except footwear      | c/   |                               |       |       |       |      |  |      |      |      |      |      |      |      |      |
| 323 Leather and fur products              | d/   | 3                             | 104   | 210   | 105   |      |  |      |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    | d/   |                               |       |       |       |      |  |      |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      | 1997                          | 2494  | 2483  | 3336  |      | 89                                     | 97   | 95   | 108  | 102  | 94   | 91   | 86   | 76   |
| 332 Furniture and fixtures, excl Metal    |      | 595                           | -10   | 302   | 617   |      |  |      |      |      |      |      |      |      |      |
| 341 Paper and products                    |      | 532                           | 16    | 2059  | 568   | e/   | 104                                    | 106  | 116  | 91   | 82   | 86   | 102  | 111  | 113  |
| 342 Printing and publishing               |      | 847                           | 1431  | 38    | 1677  | e/   |  |      |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      | -                             | -     | -     | -     |      |  |      |      |      |      |      |      |      |      |
| 352 Other chemicals                       |      | 532f/                         | 432   | 710   | 8168  |      | 111                                    | 115  | 112  | 107  | 116  | 105  | 117  | 125  | 130  |
| 353 Petroleum refineries                  |      |                               |       |       |       |      |  |      |      |      |      |      |      |      |      |
| 354 Misc petroleum and coal products      |      |                               |       |       |       |      |  |      |      |      |      |      |      |      |      |
| 355 Rubber products                       |      | 211                           | 173   | 165   | 189   | g/   | 117                                    | 109  | 107  | 65   | 84   | 88   | 87   | 87   | 82   |
| 356 Plastic products                      |      | 219                           | 651   | 4582  | 293   |      |  |      |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      | -                             | -     | -     | -     |      |  |      |      |      |      |      |      |      |      |
| 362 Glass and products                    |      | -                             | -     | -     | -     |      |  |      |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   | h/   | 111                           | 477   | 502   | 649   | i/   | 118                                    | 113  | 111  | 71   | 53   | 70   | 94   | 95   | 102  |
| 371 Iron and steel                        | h/   | -                             | -     | -     | -     |      |  |      |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |      | -                             | -     | -     | -     |      |  |      |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      | 1425                          | 613   | 462   | 1172  |      |  |      |      |      |      |      |      |      |      |
| 382 Non-electrical machinery              | j/   | 176                           | 33    | 229   | 374   |      |  |      |      |      |      |      |      |      |      |
| 383 Electrical machinery                  | j/   |                               |       |       |       |      |  |      |      |      |      |      |      |      |      |
| 384 Transport equipment                   |      | 323                           | 52    | 43    | -241  |      |  |      |      |      |      |      |      |      |      |
| 385 Professional and scientific equipment |      | -                             | -     | -     | -     |      |  |      |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      | 217                           | 276   | 355   | 571   |      |  |      |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      | 25075f/                       | 25176 | 35039 | 56654 |      |  |      |      |      |      |      |      |      |      |

a/ 311/2 includes 313 and 314

c/ 321 includes 322

e/ 341 includes 342

g/ Tyre and tube industries

i/ Cement only

b/ 313 includes 314.

d/ 323 includes 324.

f/ Electricity, gas and steam are included in 352.

h/ 369 includes 371.

j/ 382 includes 383

## FINLAND

**Supplier of information:**

Statistics Finland, Helsinki.

Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

**Basic source of data:**

Annual industrial statistics inquiry.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):**

The survey covers chiefly the calendar year, however, in some cases establishments are allowed to report using their own financial year.

**Scope:**

All units employing five or more persons are surveyed.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of employees, defined as "wage earners and salaried personnel", covers salaried employees, wage earners and all full- and part-time employees. It is based on the average number of employees throughout the year.

Wages and salaries refers to the compensation of employees. Employers' contributions to social security schemes and pension funds are covered. Regular and overtime cash payments, bonuses and cost-of-living allowances are included, along with vacation and sick leave pay, taxes and social insurance contributions payable by employees and deducted by employers, and payments in kind. Social costs are employers' legally required supplements to wages and salaries. They cover statutory social insurance contributions and voluntary social insurance contributions of a statutory nature.

Output is the gross value of production including the value of all products, allowing for net change of work in progress, goods shipped in the same condition as received, net changes in stocks of finished goods, services rendered and electricity sold. Valuation is in factor values, excluding all indirect taxes and including all subsidies.

Value added uses the national accounting concept. It is gross output less the value of materials, fuels and other supplies, contract and commission work done by others, repair and maintenance work done by others, and electricity purchases. Input estimates are on a received basis.

Gross fixed capital formation is expenditure on the purchase of fixed assets plus own-account construction of assets, less sales of fixed assets. Fixed assets are those with a productive life of at least one year, and include assets made by a unit's labour force for its own use; additions, alterations, improvements and repairs to existing assets; new assets (whether or not in use) and used assets. Valuation is at full cost incurred, including delivered price, cost of installation and fees and taxes.

**Related national publications:**

Yearbook of Industrial Statistics, published by Statistics Finland, Helsinki.

## Finland

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note | Number of employees |       |       |       | Note | Wages and salaries paid to employees |      |      |      |
|--|------|--------------------------|------|------|------|------|---------------------|-------|-------|-------|------|--------------------------------------|------|------|------|
|  |      | (numbers)                |      |      |      |      | (numbers)           |       |       |       |      | (million MARKS)                      |      |      |      |
|  |      | 1985                     | 1990 | 1991 | 1992 |      | 1985                | 1990  | 1991  | 1992  |      | 1985                                 | 1990 | 1991 | 1992 |
| 311/2 Food Products                              |      | 999                      | 785  | 799  | 738  |      | 51100               | 45600 | 44800 | 41500 |      | 3487                                 | 4744 | 4738 | 4648 |
| 3111 Slaughtering, preparing & preserving meat   |      | 144                      | 122  | 132  | 119  |      | 13430               | 13500 | 13700 | 12500 |      | 938                                  | 1367 | 1420 | 1383 |
| 3112 Dairy products                              |      | 138                      | 92   | 89   | 83   |      | 10345               | 8100  | 7600  | 6800  |      | 737                                  | 908  | 882  | 826  |
| 3113 Canning, preserving of fruits & vegetables  |      | 37                       | 29   | 31   | 30   |      | 1846                | 1800  | 1900  | 1900  |      | 110                                  | 179  | 188  | 198  |
| 3114 Canning, preserving and processing of fish  |      | 30                       | 19   | 20   | 20   |      | 729                 | 400   | 400   | 400   |      | 41                                   | 32   | 37   | 34   |
| 3115 Vegetable and animal oils and fats          |      | 12                       | 11   | 11   | 9    |      | 788                 | 800   | 600   | 800   |      | 74                                   | 113  | 94   | 130  |
| 3116 Grain mill products                         |      | 39                       | 20   | 20   | 16   |      | 1684                | 1300  | 800   | 700   |      | 136                                  | 140  | 92   | 84   |
| 3117 Bakery products                             |      | 488                      | 403  | 401  | 369  |      | 14711               | 13500 | 12600 | 11400 |      | 867                                  | 1223 | 1213 | 1141 |
| 3118 Sugar factories and refineries              |      | 7                        | 6    | 6    | 5    |      | 1748                | 1200  | 900   | 900   |      | 163                                  | 144  | 121  | 129  |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 10                       | 13   | 14   | 15   |      | 2750                | 3100  | 3000  | 2800  |      | 193                                  | 299  | 301  | 303  |
| 3121 Other food products                         |      | 29                       | 27   | 31   | 33   |      | 1356                | 1500  | 1800  | 2100  |      | 101                                  | 176  | 221  | 262  |
| 3122 Prepared animal feeds                       |      | 66                       | 43   | 44   | 39   |      | 1777                | 1400  | 1300  | 1200  |      | 137                                  | 164  | 168  | 168  |
| 313 Beverages                                    |      | 25                       | 24   | 22   | 23   |      | 5000                | 5500  | 5400  | 4900  |      | 385                                  | 670  | 678  | 662  |
| 3131 Distilling, rectifying and blending spirits |      | 7                        | 7    | 7    | 7    |      | 707                 | 800   | 800   | 700   |      | 63                                   | 109  | 111  | 93   |
| 3132 Wine industries                             |      | 2                        | 2    | 2    | 2    |      |                     |       |       |       |      |                                      |      |      |      |
| 3133 Malt liquors and malt                       |      | 14                       | 13   | 12   | 13   |      | 3036                | 2900  | 2800  | 2600  |      | 212                                  | 304  | 309  | 322  |
| 3134 Soft drinks and carbonated waters           |      | 2                        | 2    | 1    | 1    |      |                     |       |       |       |      |                                      |      |      |      |
| 314 Tobacco                                      |      | 4                        | 4    | 4    | 4    |      | 1300                | 1100  | 1100  | 1000  |      | 108                                  | 149  | 146  | 137  |
| 321 Textiles                                     |      | 278                      | 204  | 206  | 186  |      | 16000               | 10900 | 9200  | 8200  |      | 963                                  | 898  | 790  | 740  |
| 3211 Spinning, weaving and finishing textiles    |      | 69                       | 44   | 51   | 49   |      | 5906                | 3300  | 2800  | 2300  |      | 386                                  | 290  | 241  | 227  |
| 3212 Made-up textile goods excl. wearing apparel |      | 48                       | 41   | 45   | 42   |      | 960                 | 800   | 700   | 600   |      | 63                                   | 70   | 69   | 50   |
| 3213 Knitting mills                              |      | 98                       | 77   | 70   | 58   |      | 6339                | 4600  | 3900  | 3500  |      | 366                                  | 366  | 318  | 301  |
| 3214 Carpets and rugs                            |      | 32                       | 20   | 17   | 18   |      | 863                 | 400   | 300   | 300   |      | 30                                   | 31   | 24   | 24   |
| 3215 Cordage, rope and twine                     |      | 6                        | 4    | 4    | 4    |      | 283                 | 200   | 100   | 100   |      | 12                                   | 13   | 11   | 10   |
| 3219 Other textiles                              |      | 25                       | 18   | 19   | 15   |      | 1868                | 1500  | 1400  | 1300  |      | 126                                  | 141  | 138  | 128  |
| 322 Wearing apparel, except footwear             |      | 426                      | 265  | 238  | 186  |      | 29400               | 14700 | 11500 | 8200  |      | 1620                                 | 1070 | 886  | 649  |
| 323 Leather and fur products                     |      | 76                       | 54   | 46   | 39   |      | 2600                | 1400  | 1200  | 1000  |      | 137                                  | 109  | 96   | 82   |
| 3231 Tanneries and leather finishing             |      | 17                       | 12   | 11   | 11   |      | 1338                | 600   | 500   | 500   |      | 76                                   | 63   | 47   | 43   |
| 3232 Fur dressing and dyeing industries          |      | 11                       | 7    | 6    | 5    |      | 332                 | 100   | 100   | 100   |      | 19                                   | 13   | 12   | 10   |
| 3233 Leather prods. excl. wearing apparel        |      | 48                       | 35   | 29   | 23   |      | 897                 | 700   | 500   | 400   |      | 43                                   | 42   | 38   | 30   |
| 324 Footwear, except rubber or plastic           |      | 97                       | 56   | 55   | 51   |      | 7500                | 3200  | 2600  | 2100  |      | 391                                  | 241  | 203  | 163  |
| 331 Wood products, except furniture              |      | 686                      | 560  | 561  | 507  |      | 35500               | 30400 | 27300 | 24100 |      | 2206                                 | 2860 | 2608 | 2307 |
| 3311 Sawmills, planing and other wood mills      |      | 602                      | 505  | 502  | 452  |      | 33759               | 29400 | 26300 | 23290 |      | 2112                                 | 2767 | 2423 | 2223 |
| 3312 Wooden and cane containers                  |      | 26                       | 26   | 28   | 24   |      | 361                 | 400   | 400   | 400   |      | 17                                   | 43   | 39   | 34   |
| 3319 Other wood and cork products                |      | 58                       | 29   | 31   | 31   |      | 1406                | 600   | 600   | 500   |      | 77                                   | 60   | 48   | 47   |
| 332 Furniture and fixtures excl. metal           |      | 359                      | 337  | 358  | 319  |      | 11800               | 10900 | 10400 | 8800  |      | 708                                  | 967  | 931  | 793  |
| 341 Paper and products                           |      | 199                      | 148  | 162  | 166  |      | 43800               | 44400 | 41800 | 40100 |      | 3914                                 | 5936 | 5891 | 5802 |
| 3411 Pulp, paper and paperboard articles         |      | 113                      | 74   | 78   | 72   |      | 33823               | 37100 | 34600 | 32100 |      | 3124                                 | 6067 | 6016 | 4831 |
| 3412 Containers of paper and paperboard          |      | 37                       | 37   | 43   | 43   |      | 5315                | 3900  | 3600  | 3800  |      | 419                                  | 434  | 409  | 461  |
| 3419 Other pulp, paper and paperboard articles   |      | 49                       | 37   | 41   | 50   |      | 4613                | 3400  | 3700  | 4100  |      | 371                                  | 418  | 467  | 519  |
| 342 Printing and publishing                      |      | 767                      | 668  | 722  | 670  |      | 38800               | 37800 | 36100 | 32900 |      | 3209                                 | 4527 | 4450 | 4080 |
| 351 Industrial chemicals                         |      | 163                      | 160  | 165  | 157  |      | 14100               | 13700 | 13300 | 12600 |      | 1187                                 | 1718 | 1729 | 1708 |
| 3511 Basic chemicals excl. fertilizers           |      | 67                       | 56   | 59   | 57   |      | 5390                | 4900  | 4900  | 5400  |      | 476                                  | 626  | 640  | 783  |
| 3512 Fertilizers and pesticides                  |      | 12                       | 13   | 12   | 11   |      | 2184                | 2300  | 2100  | 1400  |      | 192                                  | 306  | 301  | 180  |
| 3513 Synthetic resins and plastic materials      |      | 84                       | 91   | 94   | 89   |      | 6537                | 6500  | 6200  | 5800  |      | 519                                  | 787  | 787  | 766  |
| 352 Other chemicals                              |      | 104                      | 92   | 110  | 105  |      | 10600               | 10300 | 10200 | 9300  |      | 807                                  | 1163 | 1220 | 1124 |
| 3521 Paints, varnishes and lacquers              |      | 18                       | 12   | 17   | 16   |      | 1967                | 1700  | 1600  | 1600  |      | 160                                  | 213  | 210  | 203  |
| 3522 Drugs and medicines                         |      | 17                       | 16   | 19   | 21   |      | 3482                | 3800  | 3800  | 3900  |      | 276                                  | 421  | 448  | 466  |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 34                       | 28   | 28   | 26   |      | 2271                | 2200  | 2300  | 1800  |      | 172                                  | 261  | 287  | 203  |
| 3529 Other chemical products                     |      | 35                       | 36   | 46   | 42   |      | 2796                | 2500  | 2400  | 2200  |      | 200                                  | 268  | 276  | 264  |
| 353 Petroleum refineries                         |      | 2                        | 4    | 4    | 5    |      | 2800                | 3100  | 3100  | 3100  |      | 281                                  | 464  | 494  | 509  |

|   |      |      |      |      |        |        |        |        |       |       |       |       |
|---|------|------|------|------|--------|--------|--------|--------|-------|-------|-------|-------|
| 354 Misc petroleum and coal products            | 26   | 20   | 20   | 19   | 900    | 700    | 900    | 800    | 68    | 89    | 119   | 113   |
| 355 Rubber products                             | 20   | 26   | 29   | 29   | 4000   | 2600   | 2500   | 2300   | 276   | 256   | 245   | 244   |
| 3551 Tyres and tubes                            | 3    | 4    | 7    | 7    | 2684   | 1800   | 1800   | 1500   | 180   | 1300  | 140   | 146   |
| 3559 Other rubber products                      | 17   | 22   | 22   | 22   | 1359   | 1000   | 1000   | 1000   | 96    | 104   | 106   | 99    |
| 356 Plastic products                            | 161  | 154  | 169  | 164  | 6800   | 7800   | 7000   | 6500   | 456   | 782   | 747   | 685   |
| 361 Pottery, china, earthenware                 | 14   | 13   | 13   | 10   | 1400   | 1300   | 1300   | 1100   | 97    | 127   | 133   | 116   |
| 362 Glass and products                          | 47   | 49   | 49   | 46   | 3200   | 3200   | 3100   | 2900   | 232   | 350   | 343   | 321   |
| 369 Other non-metallic mineral products         | 382  | 362  | 401  | 350  | 16300  | 15600  | 13900  | 12000  | 1161  | 1731  | 1523  | 1207  |
| 3691 Structural clay products                   | 27   | 17   | 16   | 14   | 1511   | 1000   | 900    | 600    | 54    | 106   | 96    | 74    |
| 3692 Cement, lime and plaster                   | 13   | 13   | 13   | 13   | 2086   | 1200   | 1200   | 1000   | 170   | 150   | 146   | 131   |
| 3699 Other non-metallic mineral products        | 342  | 332  | 372  | 323  | 12689  | 13400  | 11900  | 9500   | 892   | 1474  | 1282  | 1003  |
| 371 Iron and steel                              | 58   | 51   | 55   | 56   | 13900  | 12800  | 12000  | 11400  | 1181  | 1576  | 1491  | 1516  |
| 372 Non ferrous metals                          | 28   | 22   | 23   | 21   | 4900   | 4300   | 4200   | 4200   | 413   | 540   | 537   | 577   |
| 381 Fabricated metal products                   | 791  | 740  | 831  | 721  | 32700  | 31900  | 29900  | 24600  | 2304  | 3427  | 3224  | 2728  |
| 3811 Cutlery, hand tools and general hardware   | 81   | 62   | 67   | 59   | 3184   | 3100   | 2800   | 2400   | 212   | 289   | 280   | 259   |
| 3812 Furniture and fixtures primarily of metal  | 39   | 41   | 38   | 31   | 1498   | 1600   | 1300   | 1000   | 97    | 157   | 170   | 103   |
| 3813 Structural metal products                  | 293  | 306  | 338  | 289  | 11003  | 12700  | 11900  | 9400   | 800   | 1322  | 1322  | 1057  |
| 3819 Other fabricated metal products            | 378  | 331  | 388  | 342  | 17115  | 14500  | 14100  | 11800  | 1196  | 1535  | 1491  | 1309  |
| 382 Non-electrical machinery                    | 757  | 648  | 733  | 707  | 58700  | 52400  | 47700  | 42900  | 4829  | 6222  | 5616  | 5296  |
| 3821 Engines and turbines                       | 15   | 17   | 20   | 17   | 408    | 600    | 800    | 700    | 32    | 69    | 91    | 81    |
| 3822 Agricultural machinery and equipment       | 84   | 45   | 49   | 47   | 4533   | 3300   | 2600   | 2600   | 319   | 346   | 264   | 174   |
| 3823 Metal and wood working machinery           | 76   | 55   | 59   | 54   | 3946   | 3000   | 3100   | 2500   | 310   | 346   | 353   | 306   |
| 3824 Other special industrial machinery         | 261  | 220  | 232  | 232  | 21863  | 18300  | 16300  | 15000  | 1837  | 2196  | 1970  | 2010  |
| 3825 Office, computing and accounting machinery | 52   | 21   | 24   | 27   | 4286   | 5000   | 2900   | 3500   | 416   | 670   | 363   | 449   |
| 3829 Other non-electrical machinery & equipment | 269  | 290  | 349  | 326  | 23709  | 22100  | 22100  | 18400  | 1916  | 2596  | 2619  | 2276  |
| 383 Electrical machinery                        | 240  | 236  | 250  | 257  | 31800  | 28500  | 25900  | 24400  | 2360  | 3103  | 2938  | 2970  |
| 3831 Electrical industrial machinery            | 132  | 110  | 111  | 118  | 14015  | 10500  | 9300   | 9700   | 1026  | 1157  | 1061  | 1078  |
| 3832 Radio, television and communication equip  | 61   | 66   | 79   | 74   | 10896  | 11500  | 11000  | 10500  | 819   | 1249  | 1269  | 1300  |
| 3833 Electrical appliances and housewares       | 12   | 11   | 10   | 12   | 1158   | 600    | 500    | 500    | 71    | 58    | 46    | 44    |
| 3839 Other electrical apparatus and supplies    | 36   | 49   | 50   | 53   | 6687   | 5900   | 6200   | 4200   | 444   | 640   | 574   | 498   |
| 384 Transport equipment                         | 306  | 239  | 259  | 214  | 40200  | 27700  | 26400  | 24700  | 3107  | 3266  | 3119  | 3038  |
| 3841 Shipbuilding and repairing                 | 109  | 86   | 97   | 76   | 2061   | 11600  | 11700  | 10900  | 1146  | 1466  | 1393  | 1451  |
| 3842 Railroad equipment                         | 26   | 6    | 14   | 14   | 4771   | 3100   | 3300   | 3100   | 362   | 381   | 376   | 322   |
| 3843 Motor vehicles                             | 151  | 128  | 130  | 106  | 9826   | 8900   | 7900   | 6800   | 726   | 926   | 860   | 767   |
| 3844 Motorcycles and bicycles                   | 6    | 6    | 7    | 6    | 634    | 600    | 600    | 500    | 42    | 48    | 56    | 64    |
| 3845 Aircraft                                   | 9    | 8    | 8    | 9    | 2533   | 3200   | 3200   | 3200   | 226   | 430   | 430   | 443   |
| 3849 Other transport equipment                  | 5    | 5    | 3    | 5    | 295    | 300    | 200    | 200    | 16    | 26    | 16    | 16    |
| 385 Professional and scientific equipment       | 85   | 94   | 103  | 102  | 5700   | 5800   | 5600   | 5200   | 434   | 694   | 686   | 697   |
| 3851 Prof and scientific equipment n e c        | 78   | 88   | 97   | 94   | 5523   | 5700   | 5500   | 5100   | 423   | 680   | 670   | 681   |
| 3852 Photographic and optical goods             | 10   | 6    | 6    | 8    | 179    | 100    | 200    | 100    | 11    | 14    | 16    | 16    |
| 3853 Watches and clocks                         | a/   | a/   |      |      |        |        |        |        |       |       |       |       |
| 390 Other manufacturing industries              | 103  | 86   | 93   | 91   | 5100   | 3600   | 3500   | 3300   | 311   | 341   | 343   | 333   |
| 3901 Jewellery and related articles             | 32   | 26   | 31   | 29   | 983    | 900    | 900    | 700    | 69    | 99    | 99    | 87    |
| 3902 Musical instruments                        | 9    | 9    | 9    | 8    | 454    | 200    | 200    | 200    | 28    | 22    | 20    | 18    |
| 3903 Sporting and athletic goods                | 29   | 18   | 21   | 23   | 2011   | 1300   | 1200   | 1200   | 116   | 106   | 109   | 113   |
| 3909 Manufacturing industries, n e c            | 33   | 33   | 32   | 31   | 1700   | 1200   | 1200   | 1200   | 98    | 116   | 116   | 120   |
| 3 Total manufacturing                           | 7206 | 6101 | 6480 | 5942 | 495800 | 432100 | 401700 | 363800 | 36531 | 48020 | 46816 | 43191 |

a/ 3852 includes 3853

## Finland

## Output in factor values

(million MARKS)

| ISIC Industry                                    | Note | Output in factor values |       |       |       |
|--|------|-------------------------|-------|-------|-------|
|  |      | 1985                    | 1990  | 1991  | 1992  |
| 311-2 Food Products                              |      | 37910                   | 44751 | 44113 | 43711 |
| 3111 Slaughtering, preparing & preserving meat   |      | 12096                   | 14914 | 15109 | 13586 |
| 3112 Dairy products                              |      | 10547                   | 12411 | 12177 | 11878 |
| 3113 Canning, preserving of fruits & vegetables  |      | 907                     | 1483  | 1357  | 1345  |
| 3114 Canning, preserving and processing of fish  |      | 196                     | 190   | 243   | 247   |
| 3115 Vegetable and animal oils and fats          |      | 1393                    | 1356  | 1360  | 1583  |
| 3116 Grain mill products                         |      | 1410                    | 1460  | 1441  | 1432  |
| 3117 Bakery products                             |      | 3441                    | 4462  | 4585  | 4288  |
| 3118 Sugar factories and refineries              |      | 1484                    | 1636  | 1451  | 1670  |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 1091                    | 1489  | 1533  | 1599  |
| 3121 Other food products                         |      | 2017                    | 2201  | 1969  | 2459  |
| 3122 Prepared animal feeds                       |      | 3348                    | 3149  | 2888  | 2728  |
| 313 Beverages                                    |      | 2730                    | 4788  | 5140  | 4800  |
| 3131 Distilling, rectifying and blending spirits |      | 438                     | 1126  | 1106  | 898   |
| 3132 Wine industries                             |      |                         |       |       |       |
| 3133 Malt liquors and malt                       |      | 1680                    | 2433  | 2695  | 2964  |
| 3134 Soft drinks and carbonated waters           |      |                         |       |       |       |
| 314 Tobacco                                      |      | 680                     | 1119  | 1096  | 1028  |
| 321 Textiles                                     |      | 4130                    | 3489  | 2944  | 3009  |
| 3211 Spinning, weaving and finishing textiles    |      | 1643                    | 1161  | 914   | 967   |
| 3212 Made-up textile goods excl. wearing apparel |      | 287                     | 323   | 277   | 231   |
| 3213 Knitting mills                              |      | 1357                    | 1190  | 996   | 982   |
| 3214 Carpets and rugs                            |      | 130                     | 139   | 105   | 98    |
| 3215 Cordage, rope and twine                     |      | 44                      | 38    | 37    | 38    |
| 3219 Other textiles                              |      | 673                     | 637   | 614   | 693   |
| 322 Wearing apparel, except footwear             |      | 5070                    | 3437  | 2605  | 2001  |
| 323 Leather and fur products                     |      | 690                     | 462   | 392   | 380   |
| 3231 Tanneries and leather finishing             |      | 482                     | 285   | 243   | 249   |
| 3232 Fur dressing and dyeing industries          |      | 67                      | 35    | 29    | 29    |
| 3233 Leather goods excl. wearing apparel         |      | 139                     | 142   | 120   | 103   |
| 324 Footwear, except rubber or plastic           |      | 1540                    | 865   | 680   | 598   |
| 331 Wood products, except furniture              |      | 12190                   | 17452 | 13316 | 13327 |
| 3311 Sawmills, planing and other wood mills      |      | 11854                   | 17053 | 12956 | 12999 |
| 3312 Wooden and cane containers                  |      | 85                      | 204   | 182   | 167   |
| 3315 Other wood and cork products                |      | 248                     | 194   | 178   | 161   |
| 332 Furniture and fixtures, excl. metal          |      | 2580                    | 3918  | 3290  | 2973  |
| 341 Paper and products                           |      | 38910                   | 44506 | 40964 | 43685 |
| 3411 Pulp, paper and paperboard articles         |      | 33360                   | 39382 | 35818 | 37944 |
| 3412 Containers of paper and paperboard          |      | 2775                    | 2342  | 2010  | 2275  |
| 3419 Other pulp, paper and paperboard articles   |      | 2773                    | 2782  | 3136  | 3466  |
| 342 Printing and publishing                      |      | 13030                   | 18200 | 17283 | 15462 |
| 351 Industrial chemicals                         |      | 11030                   | 13513 | 11873 | 11999 |
| 3511 Basic chemicals excl. fertilizers           |      | 4992                    | 5461  | 4870  | 4731  |
| 3512 Fertilizers and pesticides                  |      | 2390                    | 2500  | 2096  | 2239  |
| 3513 Synthetic resins and plastic materials      |      | 3644                    | 5552  | 4908  | 5029  |
| 352 Other chemicals                              |      | 4270                    | 5937  | 6145  | 6150  |
| 3521 Paints, varnishes and lacquers              |      | 931                     | 1304  | 1163  | 1141  |
| 3522 Drugs and medicines                         |      | 1413                    | 2103  | 2539  | 2420  |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      | 888                     | 1256  | 1187  | 1112  |
| 3529 Other chemical products                     |      | 1036                    | 1275  | 1456  | 1477  |
| 353 Petroleum refineries                         |      | 15630                   | 11099 | 10183 | 10194 |

## Value added in factor values

(million MARKS)

| ISIC Industry                                    | Note | Value added in factor values |       |       |       | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|------------------------------|-------|-------|-------|--------------------------------|------|--|------|
|  |      | 1985                         | 1990  | 1991  | 1992  | 1985                           | 1992 | 1985                                       | 1992 |
| 311-2 Food Products                              |      | 8790                         | 9850  | 10212 | 10166 | 23.2                           | 23.6 | 39.7                                       | 46.7 |
| 3111 Slaughtering, preparing & preserving meat   |      | 2077                         | 2893  | 3004  | 2697  | 17.2                           | 19.3 | 45.2                                       | 51.3 |
| 3112 Dairy products                              |      | 1640                         | 1694  | 1633  | 1780  | 16.6                           | 16.0 | 44.9                                       | 46.3 |
| 3113 Canning, preserving of fruits & vegetables  |      | 370                          | 543   | 467   | 460   | 4.0                            | 3.4  | 29.7                                       | 43.0 |
| 3114 Canning, preserving and processing of fish  |      | 71                           | 50    | 77    | 76    | 3.6                            | 3.0  | 67.7                                       | 46.3 |
| 3115 Vegetable and animal oils and fats          |      | 310                          | 347   | 463   | 509   | 22.3                           | 32.2 | 23.9                                       | 26.6 |
| 3116 Grain mill products                         |      | 320                          | 183   | 283   | 267   | 22.7                           | 18.6 | 42.5                                       | 31.6 |
| 3117 Bakery products                             |      | 1880                         | 2249  | 2384  | 2086  | 54.6                           | 48.6 | 46.1                                       | 64.7 |
| 3118 Sugar factories and refineries              |      | 418                          | 165   | 170   | 342   | 28.2                           | 20.6 | 36.6                                       | 37.7 |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 484                          | 563   | 567   | 690   | 44.4                           | 36.9 | 39.9                                       | 51.4 |
| 3121 Other food products                         |      | 478                          | 631   | 648   | 821   | 23.7                           | 33.4 | 21.1                                       | 31.9 |
| 3122 Prepared animal feeds                       |      | 709                          | 532   | 576   | 540   | 71.2                           | 19.8 | 19.3                                       | 29.3 |
| 313 Beverages                                    |      | 1410                         | 2646  | 2966  | 2363  | 51.6                           | 49.2 | 27.3                                       | 28.0 |
| 3131 Distilling, rectifying and blending spirits |      | 130                          | 737   | 768   | 630   | 29.7                           | 59.0 | 48.6                                       | 17.6 |
| 3132 Wine industries                             |      |                              |       |       |       |                                |      |  |      |
| 3133 Malt liquors and malt                       |      | 1004                         | 1313  | 1573  | 1780  | 69.8                           | 60.1 | 21.1                                       | 18.1 |
| 3134 Soft drinks and carbonated waters           |      |                              |       |       |       |                                |      |  |      |
| 314 Tobacco                                      |      | 360                          | 676   | 672   | 669   | 62.9                           | 64.4 | 30.0                                       | 24.6 |
| 321 Textiles                                     |      | 1920                         | 1476  | 1196  | 1306  | 46.6                           | 43.4 | 60.2                                       | 66.7 |
| 3211 Spinning, weaving and finishing textiles    |      | 637                          | 419   | 313   | 406   | 38.8                           | 41.9 | 60.6                                       | 66.0 |
| 3212 Made-up textile goods excl. wearing apparel |      | 137                          | 145   | 126   | 106   | 47.7                           | 45.9 | 38.7                                       | 47.2 |
| 3213 Knitting mills                              |      | 764                          | 527   | 442   | 469   | 66.3                           | 47.8 | 46.6                                       | 64.2 |
| 3214 Carpets and rugs                            |      | 65                           | 79    | 53    | 48    | 60.0                           | 49.0 | 46.2                                       | 60.0 |
| 3215 Cordage, rope and twine                     |      | 22                           | 23    | 22    | 21    | 60.0                           | 66.3 | 64.6                                       | 47.6 |
| 3219 Other textiles                              |      | 291                          | 282   | 240   | 267   | 43.2                           | 37.1 | 43.3                                       | 49.8 |
| 322 Wearing apparel, except footwear             |      | 2690                         | 1638  | 1343  | 1027  | 63.1                           | 61.3 | 66.6                                       | 63.2 |
| 323 Leather and fur products                     |      | 230                          | 182   | 171   | 155   | 33.3                           | 40.8 | 69.6                                       | 62.9 |
| 3231 Tanneries and leather finishing             |      | 134                          | 77    | 82    | 76    | 27.8                           | 30.1 | 66.0                                       | 67.3 |
| 3232 Fur dressing and dyeing industries          |      | 29                           | 21    | 19    | 19    | 43.3                           | 65.6 | 65.6                                       | 62.6 |
| 3233 Leather goods excl. wearing apparel         |      | 72                           | 84    | 69    | 61    | 61.8                           | 69.2 | 69.7                                       | 49.2 |
| 324 Footwear, except rubber or plastic           |      | 660                          | 364   | 276   | 283   | 42.9                           | 47.3 | 69.2                                       | 67.6 |
| 331 Wood products, except furniture              |      | 4040                         | 6036  | 3847  | 4546  | 33.1                           | 34.1 | 64.6                                       | 60.7 |
| 3311 Sawmills, planing and other wood mills      |      | 3870                         | 5846  | 3678  | 4396  | 32.6                           | 33.8 | 64.6                                       | 60.6 |
| 3312 Wooden and cane containers                  |      | 36                           | 89    | 77    | 63    | 41.2                           | 37.7 | 48.6                                       | 64.0 |
| 3315 Other wood and cork products                |      | 136                          | 101   | 91    | 86    | 64.4                           | 63.4 | 67.0                                       | 64.7 |
| 332 Furniture and fixtures, excl. metal          |      | 1330                         | 1969  | 1626  | 1299  | 61.6                           | 43.7 | 63.2                                       | 61.0 |
| 341 Paper and products                           |      | 11440                        | 13778 | 11154 | 13516 | 29.4                           | 30.9 | 34.2                                       | 42.9 |
| 3411 Pulp, paper and paperboard articles         |      | 9120                         | 11906 | 9368  | 11333 | 27.3                           | 29.9 | 34.3                                       | 42.6 |
| 3412 Containers of paper and paperboard          |      | 1266                         | 909   | 738   | 909   | 46.3                           | 40.7 | 33.4                                       | 49.6 |
| 3419 Other pulp, paper and paperboard articles   |      | 1062                         | 963   | 1058  | 1272  | 36.3                           | 36.7 | 34.9                                       | 40.8 |
| 342 Printing and publishing                      |      | 7680                         | 8082  | 7624  | 6859  | 66.2                           | 44.4 | 42.3                                       | 69.6 |
| 351 Industrial chemicals                         |      | 3480                         | 5244  | 4052  | 4824  | 31.6                           | 40.2 | 34.1                                       | 36.4 |
| 3511 Basic chemicals excl. fertilizers           |      | 1439                         | 2488  | 1820  | 1610  | 28.8                           | 38.3 | 33.1                                       | 42.2 |
| 3512 Fertilizers and pesticides                  |      | 766                          | 1028  | 770   | 1163  | 32.1                           | 51.6 | 76.1                                       | 16.6 |
| 3513 Synthetic resins and plastic materials      |      | 1270                         | 1717  | 1462  | 1861  | 34.9                           | 37.0 | 40.9                                       | 41.1 |
| 352 Other chemicals                              |      | 2300                         | 2703  | 2686  | 2774  | 63.9                           | 45.1 | 36.1                                       | 40.6 |
| 3521 Paints, varnishes and lacquers              |      | 372                          | 451   | 414   | 432   | 40.0                           | 37.9 | 43.0                                       | 47.0 |
| 3522 Drugs and medicines                         |      | 897                          | 1098  | 1213  | 1216  | 63.6                           | 60.2 | 30.7                                       | 38.2 |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      | 490                          | 431   | 383   | 423   | 66.2                           | 38.0 | 36.1                                       | 48.0 |
| 3529 Other chemical products                     |      | 541                          | 672   | 676   | 703   | 62.2                           | 47.6 | 37.0                                       | 36.1 |
| 353 Petroleum refineries                         |      | 2380                         | 2679  | 2361  | 1662  | 16.2                           | 16.3 | 11.8                                       | 30.6 |

|   |        |        |        |        |       |        |       |       |      |      |      |      |
|---|--------|--------|--------|--------|-------|--------|-------|-------|------|------|------|------|
| 354 Misc petroleum and coal products            | 860    | 1081   | 1266   | 1217   | 290   | 463    | 449   | 396   | 73 7 | 32 6 | 23 4 | 28 5 |
| 355 Rubber products                             | 950    | 1063   | 888    | 999    | 520   | 509    | 387   | 492   | 54 7 | 49 2 | 52 9 | 49 6 |
| 3551 Tyres and tubes                            | 605    | 635    | 524    | 633    | 325   | 300    | 221   | 323   | 63 7 | 51 0 | 55 4 | 45 2 |
| 3559 Other rubber products                      | 342    | 429    | 364    | 366    | 193   | 209    | 166   | 169   | 56 4 | 46 2 | 49 2 | 58 6 |
| 356 Plastic products                            | 2100   | 3477   | 2887   | 2878   | 1040  | 1626   | 1348  | 1390  | 49 5 | 48 3 | 43 8 | 49 4 |
| 361 Pottery, china, earthenware                 | 320    | 435    | 390    | 357    | 250   | 281    | 227   | 203   | 78 1 | 56 9 | 38 8 | 57 1 |
| 362 Glass and products                          | 890    | 1327   | 1300   | 1397   | 480   | 622    | 619   | 692   | 53 9 | 49 5 | 48 3 | 46 4 |
| 369 Other non-metallic mineral products         | 5290   | 8523   | 6867   | 5298   | 2680  | 4027   | 3128  | 2296  | 50 7 | 43 3 | 43 3 | 52 6 |
| 3691 Structural clay products                   | 364    | 420    | 320    | 241    | 237   | 235    | 161   | 108   | 65 1 | 44 8 | 41 8 | 68 6 |
| 3692 Cement, lime and plaster                   | 753    | 930    | 790    | 679    | 403   | 425    | 353   | 257   | 51 5 | 37 8 | 42 2 | 51 0 |
| 3699 Other non-metallic mineral products        | 4149   | 7174   | 5751   | 4377   | 2048  | 3367   | 2614  | 1931  | 49 4 | 44 1 | 43 6 | 51 9 |
| 371 Iron and steel                              | 10770  | 12382  | 11447  | 13682  | 2870  | 3251   | 3016  | 4088  | 26 6 | 29 9 | 41 1 | 37 1 |
| 372 Non-ferrous metals                          | 5330   | 7466   | 6620   | 7842   | 640   | 1388   | 1213  | 1409  | 12 0 | 18 0 | 64 5 | 41 0 |
| 381 Fabricated metal products                   | 9130   | 14662  | 12844  | 11878  | 4750  | 6728   | 5863  | 5289  | 52 0 | 44 5 | 48 5 | 51 6 |
| 3811 Cutlery, hand tools and general hardware   | 655    | 1023   | 829    | 792    | 426   | 595    | 483   | 433   | 65 0 | 54 7 | 49 8 | 59 6 |
| 3812 Furniture and fixtures primarily of metal  | 349    | 556    | 386    | 352    | 226   | 284    | 197   | 176   | 64 8 | 50 0 | 42 9 | 58 5 |
| 3813 Structural metal products                  | 3400   | 6843   | 5933   | 5405   | 1611  | 2803   | 2516  | 2111  | 47 4 | 39 1 | 49 7 | 50 1 |
| 3819 Other fabricated metal products            | 4732   | 6240   | 5696   | 5329   | 2494  | 3045   | 2668  | 2568  | 52 7 | 48 2 | 47 9 | 51 0 |
| 382 Non-electrical machinery                    | 18850  | 27727  | 21761  | 22728  | 10030 | 12828  | 9433  | 9580  | 53 2 | 42 2 | 48 1 | 55 3 |
| 3821 Engines and turbines                       | 103    | 247    | 264    | 299    | 51    | 106    | 112   | 122   | 49 5 | 40 8 | 52 7 | 66 4 |
| 3822 Agricultural machinery and equipment       | 1479   | 1885   | 1008   | 888    | 769   | 682    | 238   | 288   | 52 0 | 32 4 | 41 5 | 60 4 |
| 3823 Metal and wood working machinery           | 1599   | 1568   | 1373   | 1179   | 837   | 673    | 556   | 479   | 52 3 | 40 6 | 37 0 | 63 7 |
| 3824 Other special industrial machinery         | 6964   | 11171  | 7700   | 8343   | 3655  | 5098   | 3676  | 3765  | 52 5 | 45 1 | 50 3 | 53 4 |
| 3825 Office, computing and accounting machinery | 1356   | 2847   | 2114   | 3830   | 878   | 1493   | 605   | 1142  | 64 7 | 29 8 | 47 3 | 39 3 |
| 3829 Other non-electrical machinery & equipment | 7354   | 10010  | 9302   | 8188   | 3841  | 4776   | 4246  | 3764  | 52 2 | 46 2 | 49 9 | 60 1 |
| 383 Electrical machinery                        | 9200   | 14678  | 11851  | 13883  | 4730  | 7007   | 5159  | 6420  | 51 4 | 46 2 | 49 9 | 45 5 |
| 3831 Electrical industrial machinery            | 3223   | 4673   | 4233   | 4808   | 2029  | 2446   | 2282  | 2717  | 63 0 | 56 5 | 50 6 | 39 7 |
| 3832 Radio, television and communication equipm | 3683   | 6888   | 5091   | 6540   | 1772  | 3349   | 1971  | 2696  | 48 1 | 41 2 | 46 2 | 48 2 |
| 3833 Electrical appliances and housewares       | 301    | 283    | 253    | 210    | 145   | 126    | 124   | 80    | 48 2 | 38 1 | 49 0 | 55 0 |
| 3839 Other electrical apparatus and supplies    | 1989   | 2834   | 2274   | 2326   | 788   | 1085   | 781   | 927   | 39 6 | 39 9 | 56 3 | 53 7 |
| 384 Transport equipment                         | 12280  | 14776  | 12337  | 13389  | 5670  | 5374   | 4704  | 5185  | 46 2 | 38 7 | 54 8 | 58 6 |
| 3841 Shipbuilding and repairing                 | 7026   | 6626   | 5906   | 7571   | 3452  | 2313   | 2111  | 2744  | 49 1 | 36 2 | 50 6 | 52 9 |
| 3842 Railroad equipment                         | 731    | 1349   | 1089   | 883    | 382   | 526    | 386   | 310   | 52 3 | 35 1 | 92 1 |      |
| 3843 Motor vehicles                             | 3804   | 5529   | 4112   | 3783   | 1422  | 1877   | 1467  | 1484  | 37 4 | 39 2 | 51 1 | 51 3 |
| 3844 Motorcycles and bicycles                   | 197    | 315    | 316    | 238    | 59    | 173    | 153   | 105   | 29 9 | 44 1 | 71 2 | 41 9 |
| 3845 Aircraft                                   | 508    | 870    | 870    | 861    | 333   | 442    | 565   | 513   | 55 6 | 59 6 | 67 6 | 86 4 |
| 3849 Other transport equipment                  | 48     | 86     | 44     | 53     | 22    | 43     | 22    | 29    | 46 8 | 54 7 | 72 7 | 55 2 |
| 385 Professional and scientific equipment       | 1580   | 2503   | 2580   | 2716   | 1030  | 1316   | 1344  | 1455  | 65 2 | 53 6 | 47 1 | 47 9 |
| 3851 Prof. and scientific equipment n e c       | 1549   | 2456   | 2520   | 2645   | 1002  | 1286   | 1310  | 1412  | 64 7 | 53 4 | 42 2 | 48 2 |
| 3852 Photographic and optical goods             | a/     | 35     | 60     | 71     | a/    | 25     | 30    | 43    | 71 4 | 60 6 | 44 0 | 37 2 |
| 3853 Watches and clocks                         | a/     | 47     |        |        |       |        |       |       |      |      |      |      |
| 390 Other manufacturing industries              | 1190   | 1239   | 1269   | 1329   | 690   | 643    | 648   | 697   | 58 0 | 52 4 | 45 1 | 47 8 |
| 3901 Jewellery and related articles             | 258    | 406    | 402    | 393    | 154   | 194    | 185   | 175   | 59 7 | 44 5 | 44 8 | 46 9 |
| 3902 Musical instruments                        | 108    | 64     | 51     | 51     | 64    | 34     | 27    | 27    | 59 3 | 52 9 | 43 8 | 66 7 |
| 3903 Sporting and athletic goods                | 506    | 378    | 381    | 412    | 295   | 188    | 180   | 217   | 58 3 | 52 7 | 39 3 | 52 1 |
| 3909 Manufacturing industries, n e c            | 297    | 391    | 435    | 473    | 180   | 227    | 256   | 278   | 60 6 | 58 8 | 54 4 | 43 2 |
| 3 Total manufacturing                           | 229130 | 284876 | 254329 | 258413 | 84280 | 103170 | 87598 | 90926 | 36 8 | 35 2 | 43 3 | 47 5 |

a/ 3852 includes 3853

## Finland

## Gross fixed capital formation

(million MARKS)

| ISIC Industry                             | Note | 1985  | 1990  | 1991  | 1992  |
|---|------|-------|-------|-------|-------|
| 311/2 Food Products                       |      | 1144  | 1841  | 1437  | 1788  |
| 313 Beverages                             |      | 128   | 499   | 459   | 881   |
| 314 Tobacco                               |      |       | 74    | 47    | 73    |
| 321 Textiles                              |      | 201   | 287   | 117   | 80    |
| 322 Wearing apparel, except footwear      |      | 2     | 56    | 17    | 23    |
| 323 Leather and fur products              |      | 12    | 26    | 12    | 11    |
| 324 Footwear, except rubber or plastic    |      | 36    | 3     | 4     | 4     |
| 331 Wood products, except furniture       |      | 577   | 1249  | 1001  | 714   |
| 332 Furniture and fixtures, excl. Metal   |      | 225   | 181   | 142   | 171   |
| 341 Paper and products                    |      | 3555  | 6805  | 5264  | 4316  |
| 342 Printing and publishing               |      | 992   | 1303  | 965   | 885   |
| 351 Industrial chemicals                  |      | 793   | 1273  | 742   | 666   |
| 352 Other chemicals                       |      | 290   | 504   | 330   | 302   |
| 353 Petroleum refineries                  |      | 361   | 269   | 411   | 249   |
| 354 Misc. petroleum and coal products     |      | 1     | 28    | 225   | 465   |
| 355 Rubber products                       |      | 10    | 89    | 34    | 60    |
| 356 Plastic products                      |      | 119   | 204   | 123   | 91    |
| 361 Pottery, china, earthenware           |      | 23    | 28    | 24    | 147   |
| 362 Glass and products                    |      | 55    | 88    | 60    | 57    |
| 369 Other non-metallic mineral products   |      | 417   | 998   | 353   | 208   |
| 371 Iron and steel                        |      | 568   | 819   | 717   | 486   |
| 372 Non-ferrous metals                    |      | 166   | 214   | 317   | 169   |
| 381 Fabricated metal products             |      | 413   | 903   | 640   | 320   |
| 382 Non-electrical machinery              |      | 919   | 1431  | 916   | 663   |
| 383 Electrical machinery                  |      | 670   | 703   | 383   | 594   |
| 384 Transport equipment                   |      | 955   | 884   | 514   | 339   |
| 385 Professional and scientific equipment |      | 141   | 149   | 101   | 94    |
| 390 Other manufacturing industries        |      | 55    | 63    | 44    | 57    |
| 3 Total manufacturing                     |      | 12828 | 20962 | 15398 | 13911 |

## Index numbers of industrial production

(1980=100)

|  | Note | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
|--|------|------|------|------|------|------|------|------|------|------|
|  |      | 109  | 111  | 114  | 116  | 119  | 120  | 120  | 118  | 119  |
|  |      | 106  | 108  | 117  | 119  | 132  | 137  | 139  | 141  | 141  |
|  |      | 96   | 95   | 98   | 102  | 109  | 102  | 105  | 94   | 93   |
|  |      | 84   | 79   | 75   | 78   | 73   | 70   | 64   | 52   | 53   |
|  |      | 102  | 107  | 107  | 95   | 78   | 68   | 56   | 43   | 36   |
|  |      | 110  | 107  | 103  | 95   | 84   | 72   | 66   | 56   | 56   |
|  |      | 104  | 113  | 107  | 102  | 95   | 73   | 65   | 54   | 46   |
|  |      | 97   | 89   | 90   | 94   | 99   | 108  | 98   | 76   | 79   |
|  |      | 113  | 109  | 108  | 117  | 126  | 131  | 120  | 100  | 94   |
|  |      | 114  | 113  | 116  | 121  | 129  | 130  | 132  | 128  | 133  |
|  |      | 123  | 125  | 129  | 134  | 139  | 145  | 142  | 129  | 120  |
|  |      | 114  | 115  | 117  | 124  | 136  | 148  | 144  | 132  | 141  |
|  |      | 108  | 115  | 112  | 119  | 125  | 133  | 131  | 128  | 120  |
|  |      | 93   | 96   | 95   | 108  | 108  | 97   | 117  | 122  | 125  |
|  |      | 144  | 137  | 131  | 146  | 144  | 161  | 159  | 136  | 130  |
|  |      | 96   | 101  | 104  | 94   | 91   | 91   | 92   | 76   | 84   |
|  |      | 127  | 144  | 156  | 180  | 190  | 201  | 197  | 172  | 172  |
|  |      | 103  | 103  | 102  | 106  | 115  | 122  | 117  | 105  | 100  |
|  |      | 94   | 93   | 94   | 107  | 115  | 118  | 112  | 107  | 117  |
|  |      | 112  | 114  | 111  | 124  | 127  | 140  | 137  | 114  | 101  |
|  |      | 111  | 116  | 115  | 119  | 125  | 127  | 130  | 134  | 152  |
|  |      | 135  | 134  | 145  | 151  | 161  | 170  | 174  | 152  | 158  |
|  |      | 128  | 137  | 145  | 161  | 170  | 184  | 176  | 151  | 141  |
|  |      | 120  | 134  | 127  | 137  | 143  | 152  | 152  | 114  | 111  |
|  |      | 114  | 137  | 160  | 175  | 192  | 219  | 225  | 203  | 258  |
|  |      | 114  | 112  | 112  | 112  | 106  | 100  | 96   | 86   | 89   |
|  |      | 175  | 182  | 199  | 217  | 241  | 264  | 260  | 229  | 227  |
|  |      | 113  | 113  | 120  | 114  | 121  | 131  | 128  | 121  | 120  |
|  |      | 112  | 115  | 117  | 123  | 128  | 133  | 131  | 117  | 120  |



## FRANCE

**Supplier of information:**

Institut national de la statistique et des études économiques (INSEE), Paris.  
Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

**Basic source of data:**

National accounts compilations.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

All establishments.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Yes

**Concepts and definitions of variables:**

Number of employees refers to the average number of employees throughout the year. Both full- and part-time employees are included.

Output is gross output in basic values.

Value added, also in basic values, is calculated as gross output, less the cost of materials, fuels and other supplies; contract, commission, repair and maintenance work done by others; goods shipped in the same condition as received; and electricity purchased. Inputs are calculated on the basis of amount consumed.

Gross fixed capital formation is the value of acquisitions of fixed capital (plus own-account construction) less the value of sales of own account construction. Fixed assets covered are those with a productive life of more than one year and include assets made by a unit's labour force for its own use; additions, alterations, improvements, and repairs; new assets not yet in use and used assets. Valuation for new assets is the full cost incurred, including delivered price and installation charges, but excluding fees and taxes. Assets produced by the unit are valued at the cost of work put in progress, while for sales of used assets, the actual amount realized is taken.

**Related national publications:**

Système élargi de comptabilité nationale; Sources et méthodes d'élaboration des comptes nationaux, both published by Institut national de la statistique et des études économiques (INSEE), Paris.

## France

| ISIC Industry                             | Note | Number of establishments |      |      |      | Note   | Number of employees |        |        |      | Note   | Wages and salaries paid to employees |      |      |      |
|---|------|--------------------------|------|------|------|--------|---------------------|--------|--------|------|--------|--------------------------------------|------|------|------|
|   |      | (numbers)                |      |      |      |        | (thousands)         |        |        |      |        | (million FRANCS)                     |      |      |      |
|   |      | 1985                     | 1990 | 1991 | 1992 |        | 1985                | 1990   | 1991   | 1992 |        | 1985                                 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      |                          |      |      |      | 461 4  | 462 5               | 459 1  | 454 1  |      | 66826  |                                      |      |      |      |
| 313 Beverages                             |      |                          |      |      |      | 49 3   | 43 8                | 43 0   | 42 5   |      | 9520   |                                      |      |      |      |
| 314 Tobacco                               |      |                          |      |      |      | 6 2    | 5 1                 | 5 0    | 4 9    |      | 435    |                                      |      |      |      |
| 321 Textiles                              |      |                          |      |      |      | 253 7  | 209 9               | 197 4  | 183 8  |      | 25702  |                                      |      |      |      |
| 322 Wearing apparel, except footwear      |      |                          |      |      |      | 181 5  | 144 7               | 134 2  | 128 7  |      | 21044  |                                      |      |      |      |
| 323 Leather and fur products              |      |                          |      |      |      | 24 3   | 19 9                | 18 7   | 17 4   |      | 3389   |                                      |      |      |      |
| 324 Footwear, except rubber or plastic    |      |                          |      |      |      | 63 1   | 52 5                | 49 2   | 45 9   |      | 6092   |                                      |      |      |      |
| 331 Wood products, except furniture       |      |                          |      |      |      | 91 6   | 93 2                | 90 5   | 90 5   |      | 10249  |                                      |      |      |      |
| 332 Furniture and fixtures, excl metal    |      |                          |      |      |      | 86 0   | 83 5                | 81 2   | 77 4   |      | 10053  |                                      |      |      |      |
| 341 Paper and products                    |      |                          |      |      |      | 109 1  | 107 4               | 105 9  | 104 5  |      | 16491  |                                      |      |      |      |
| 342 Printing and publishing               |      |                          |      |      |      | 210 7  | 233 6               | 230 8  | 224 0  |      | 34146  |                                      |      |      |      |
| 351 Industrial chemicals                  |      |                          |      |      |      | 132 2  | 118 3               | 114 1  | 111 0  |      | 25028  |                                      |      |      |      |
| 352 Other chemicals                       |      |                          |      |      |      | 173 3  | 184 3               | 185 9  | 185 7  |      | 31236  |                                      |      |      |      |
| 353 Petroleum refineries                  |      |                          |      |      |      | 28 9   | 23 4                | 22 4   | 21 7   |      | 10417  |                                      |      |      |      |
| 354 Misc. petroleum and coal products     |      |                          |      |      |      |        |                     |        |        |      |        |                                      |      |      |      |
| 355 Rubber products                       |      |                          |      |      |      | 90 0   | 94 0                | 94 6   | 87 9   |      | 10902  |                                      |      |      |      |
| 356 Plastic products                      |      |                          |      |      |      | 107 2  | 121 2               | 121 5  | 122 9  |      | 14984  |                                      |      |      |      |
| 361 Pottery, china, earthenware           |      |                          |      |      |      |        |                     |        |        |      |        |                                      |      |      |      |
| 362 Glass and products                    |      |                          |      |      |      | 57 1   | 56 2                | 55 6   | 55 2   |      | 8638   |                                      |      |      |      |
| 369 Other non-metallic mineral products   |      |                          |      |      |      | 92 5   | 89 5                | 87 0   | 84 4   |      | 17035  |                                      |      |      |      |
| 371 Iron and steel                        |      |                          |      |      |      | 220 2  | 188 4               | 183 5  | 174 8  |      | 28750  |                                      |      |      |      |
| 372 Non-ferrous metals                    |      |                          |      |      |      | 55 6   | 48 3                | 46 7   | 45 0   |      | 10770  |                                      |      |      |      |
| 381 Fabricated metal products             |      |                          |      |      |      | 329 4  | 354 4               | 354 5  | 343 0  |      | 60602  |                                      |      |      |      |
| 382 Non-electrical machinery              |      |                          |      |      |      | 458 5  | 439 8               | 440 1  | 423 5  |      | 79095  |                                      |      |      |      |
| 383 Electrical machinery                  |      |                          |      |      |      | 487 9  | 474 0               | 473 2  | 454 1  |      | 76279  |                                      |      |      |      |
| 384 Transport equipment                   |      |                          |      |      |      | 609 2  | 535 6               | 527 5  | 514 4  |      | 93120  |                                      |      |      |      |
| 385 Professional and scientific equipment |      |                          |      |      |      | 63 9   | 67 9                | 68 2   | 65 8   |      | 10277  |                                      |      |      |      |
| 390 Other manufacturing industries        |      |                          |      |      |      | 100 3  | 100 2               | 97 5   | 91 7   |      | 12567  |                                      |      |      |      |
| 3 Total manufacturing                     |      |                          |      |      |      | 4543 1 | 4351 6              | 4287 5 | 4154 8 |      | 685646 |                                      |      |      |      |

## France

| ISIC Industry                             | Note | Output in producers' prices |         |         |         | Note    | Value added in producers' prices |         |         |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-----------------------------|---------|---------|---------|---------|----------------------------------|---------|---------|------|--------------------------------|------|--|------|
|   |      | (million FRANCS)            |         |         |         |         | (million FRANCS)                 |         |         |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                        | 1990    | 1991    | 1992    |         | 1985                             | 1990    | 1991    | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       |      | 454352                      | 520841  | 534531  | 545906  | 115230  | 139150                           | 145349  | 155228  | 25.4 | 28.4                           | 58.0 | 68.0                                       |      |
| 313 Beverages                             |      | 47992                       | 71880   | 76973   | 73174   | 20376   | 29307                            | 30039   | 29408   | 42.5 | 40.2                           | 46.7 | 46.7                                       |      |
| 314 Tobacco                               |      | 12088                       | 13329   | 13594   | 14891   | 8521    | 10450                            | 10778   | 12024   | 70.5 | 80.7                           | 5.1  | 5.1  |      |
| 321 Textiles                              |      | 107968                      | 115718  | 111013  | 110709  | 38083   | 41744                            | 39401   | 40078   | 35.3 | 36.2                           | 70.1 | 70.1                                       |      |
| 322 Wearing apparel, except footwear      |      | 65894                       | 74190   | 74562   | 72673   | 27891   | 31620                            | 31978   | 32342   | 42.3 | 44.5                           | 75.5 | 75.5                                       |      |
| 323 Leather and fur products              |      | 11927                       | 13716   | 12496   | 12237   | 4732    | 6151                             | 6169    | 5953    | 39.7 | 48.7                           | 71.6 | 71.6                                       |      |
| 324 Footwear, except rubber or plastic    |      | 16071                       | 15736   | 16573   | 15348   | 8344    | 7731                             | 8511    | 8128    | 51.9 | 53.0                           | 73.0 | 73.0                                       |      |
| 331 Wood products, except furniture       |      | 39808                       | 57132   | 57709   | 55431   | 15306   | 22774                            | 23443   | 23440   | 38.4 | 42.3                           | 67.0 | 67.0                                       |      |
| 332 Furniture and fixtures, excl metal    |      | 33830                       | 49915   | 50752   | 49934   | 14668   | 21633                            | 22298   | 24450   | 43.4 | 49.0                           | 68.5 | 68.5                                       |      |
| 341 Paper and products                    |      | 78975                       | 108983  | 109022  | 107945  | 25313   | 37151                            | 36960   | 35347   | 32.1 | 32.7                           | 65.1 | 65.1                                       |      |
| 342 Printing and publishing               |      | 110681                      | 164001  | 173976  | 178573  | 45541   | 68066                            | 74675   | 80546   | 41.1 | 45.1                           | 75.0 | 75.0                                       |      |
| 351 Industrial chemicals                  |      | 155851                      | 165442  | 155167  | 148255  | 41954   | 59202                            | 52062   | 46768   | 26.9 | 31.5                           | 59.7 | 59.7                                       |      |
| 352 Other chemicals                       |      | 133712                      | 189573  | 197359  | 211285  | 44886   | 67667                            | 72189   | 78432   | 33.6 | 37.1                           | 69.6 | 69.6                                       |      |
| 353 Petroleum refineries                  |      | 251275                      | 193381  | 200366  | 191343  | 73023   | 87380                            | 91576   | 91058   | 29.1 | 47.6                           | 14.3 | 14.3                                       |      |
| 354 Misc petroleum and coal products      |      |                             |         |         |         |         |                                  |         |         |      |                                |      |  |      |
| 355 Rubber products                       |      | 29709                       | 37775   | 38120   | 39885   | 13873   | 18192                            | 19177   | 20644   | 46.7 | 51.8                           | 78.6 | 78.6                                       |      |
| 356 Plastic products                      |      | 60855                       | 98870   | 102835  | 103626  | 21695   | 36279                            | 38554   | 41287   | 35.7 | 39.8                           | 69.1 | 69.1                                       |      |
| 361 Pottery, china, earthenware           |      |                             |         |         |         |         |                                  |         |         |      |                                |      |  |      |
| 362 Glass and products                    |      | 23660                       | 31241   | 31578   | 31549   | 12266   | 16824                            | 16977   | 16577   | 51.8 | 52.5                           | 70.4 | 70.4                                       |      |
| 369 Other non-metallic mineral products   |      | 65428                       | 92383   | 94265   | 90656   | 28332   | 40964                            | 41744   | 40166   | 43.3 | 44.3                           | 63.7 | 63.7                                       |      |
| 371 Iron and steel                        |      | 141612                      | 147046  | 137714  | 130647  | 34033   | 45923                            | 41812   | 37547   | 24.0 | 28.7                           | 84.5 | 84.5                                       |      |
| 372 Non-ferrous metals                    |      | 70540                       | 82492   | 76044   | 76395   | 21023   | 24685                            | 22282   | 24348   | 29.8 | 31.9                           | 51.2 | 51.2                                       |      |
| 381 Fabricated metal products             |      | 149998                      | 226975  | 227794  | 227573  | 70015   | 109426                           | 113268  | 114861  | 46.7 | 50.5                           | 72.3 | 72.3                                       |      |
| 382 Non-electrical machinery              |      | 257399                      | 337968  | 338967  | 325299  | 107806  | 135148                           | 130543  | 122536  | 41.9 | 37.7                           | 73.4 | 73.4                                       |      |
| 383 Electrical machinery                  |      | 216310                      | 300239  | 312554  | 316772  | 103245  | 140323                           | 143713  | 146981  | 47.7 | 46.4                           | 73.9 | 73.9                                       |      |
| 384 Transport equipment                   |      | 320524                      | 499677  | 506240  | 526722  | 101673  | 155823                           | 149503  | 156007  | 31.7 | 29.6                           | 91.6 | 91.6                                       |      |
| 385 Professional and scientific equipment |      | 28488                       | 41485   | 41769   | 42198   | 15738   | 22375                            | 22132   | 22302   | 55.2 | 52.9                           | 65.3 | 65.3                                       |      |
| 390 Other manufacturing industries        |      | 39160                       | 49544   | 48938   | 48908   | 19570   | 23516                            | 22415   | 24401   | 50.0 | 49.9                           | 64.2 | 64.2                                       |      |
| 3 Total manufacturing                     |      | 2924117                     | 3699632 | 3741911 | 3748034 | 1033139 | 1394503                          | 1407648 | 1430849 | 35.3 | 38.2                           | 66.4 | 66.4                                       |      |

## France

## Gross fixed capital formation

(million FRANCS)

| ISIC Industry                             | Note | 1985   | 1990   | 1991   | 1992   |
|---|------|--------|--------|--------|--------|
| 311/2 Food Products                       | a/   | 22400  | 32600  | 32408  | 31025  |
| 313 Beverages                             | a/   |        |        |        |        |
| 314 Tobacco                               | a/   |        |        |        |        |
| 321 Textiles                              | b/   | 6200   | 8670   | 7675   | 7581   |
| 322 Wearing apparel, except footwear      | b/   |        |        |        |        |
| 323 Leather and fur products              | c/   | 1000   | 1199   | 1046   | 991    |
| 324 Footwear, except rubber or plastic    | c/   |        |        |        |        |
| 331 Wood products, except furniture       | d/   | 5400   | 9523   | 8349   | 7661   |
| 332 Furniture and fixtures, excl metal    | d/   |        |        |        |        |
| 341 Paper and products                    |      | 4200   | 10513  | 8934   | 6944   |
| 342 Printing and publishing               |      | 4300   | 10500  | 10013  | 8876   |
| 351 Industrial chemicals                  |      | 7600   | 14796  | 13225  | 10960  |
| 352 Other chemicals                       |      | 5600   | 8289   | 8871   | 10291  |
| 353 Petroleum refineries                  | e/   | 10800  | 13646  | 13509  | 12909  |
| 354 Misc petroleum and coal products      |      |        |        |        |        |
| 355 Rubber products                       | f/   | 5000   | 10940  | 9864   | 9036   |
| 356 Plastic products                      | f/   |        |        |        |        |
| 361 Pottery, china, earthenware           |      | 1600   | 2448   | 2321   | 2212   |
| 362 Glass and products                    |      | 5100   | 8615   | 8229   | 7051   |
| 369 Other non-metallic mineral products   |      |        |        |        |        |
| 371 Iron and steel                        | g/   | 4600   | 5379   | 4639   | 4029   |
| 372 Non-ferrous metals                    | h/   | 8700   | 9175   | 10215  | 8094   |
| 381 Fabricated metal products             |      | 9800   | 20520  | 18309  | 16182  |
| 382 Non-electrical machinery              |      | 9000   | 15059  | 14446  | 11754  |
| 383 Electrical machinery                  |      | 18800  | 24461  | 24385  | 20751  |
| 384 Transport equipment                   |      | 15300  | 32068  | 31105  | 30259  |
| 385 Professional and scientific equipment |      |        |        |        |        |
| 390 Other manufacturing industries        |      |        |        |        |        |
| 3 Total manufacturing                     | i/   | 146700 | 238401 | 227543 | 206606 |

a/ 311/2 includes 313 and 314

c/ 323 includes 324

e/ 353 includes production of crude petroleum and natural gas

g/ 371 includes iron ore mining

i/ including mining

## Index numbers of industrial production

(1980=100)

| Note | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
|------|------|------|------|------|------|------|------|------|------|
|      | 107  | 107  | 106  | 109  | 113  | 114  | 119  | 122  | 124  |
|      | 104  | 106  | 109  | 113  | 118  | 126  | 126  | 119  | 117  |
|      | 82   | 91   | 81   | 74   | 72   | 73   | 75   | 69   | 73   |
|      | 89   | 86   | 84   | 81   | 80   | 80   | 77   | 72   | 71   |
|      | 93   | 94   | 94   | 87   | 79   | 75   | 72   | 68   | 62   |
|      | 88   | 82   | 80   | 77   | 68   | 69   | 64   | 60   | 55   |
|      | 100  | 99   | 96   | 88   | 79   | 80   | 83   | 78   | 75   |
|      | 82   | 81   | 82   | 86   | 93   | 100  | 99   | 99   | 95   |
|      | 84   | 80   | 82   | 83   | 87   | 89   | 92   | 90   | 86   |
|      | 109  | 109  | 112  | 117  | 124  | 130  | 133  | 137  | 144  |
|      | 111  | 112  | 118  | 126  | 139  | 146  | 152  | 145  | 142  |
|      | 113  | 112  | 114  | 117  | 122  | 125  | 123  | 123  | 128  |
|      | 116  | 119  | 120  | 125  | 135  | 147  | 153  | 159  | 169  |
|      | 67   | 67   | 64   | 61   | 66   | 65   | 66   | 69   | 67   |
|      | 81   | 78   | 74   | 68   | 68   | 67   | 66   | 63   | 62   |
|      | 86   | 86   | 87   | 88   | 94   | 98   | 98   | 96   | 99   |
|      | 115  | 120  | 129  | 139  | 150  | 161  | 169  | 167  | 170  |
|      | 81   | 83   | 84   | 79   | 83   | 81   | 86   | 81   | 76   |
|      | 100  | 100  | 95   | 97   | 100  | 103  | 109  | 108  | 108  |
|      | 78   | 75   | 78   | 81   | 87   | 88   | 88   | 84   | 76   |
|      | 81   | 80   | 76   | 75   | 81   | 83   | 81   | 78   | 75   |
|      | 92   | 89   | 92   | 95   | 100  | 105  | 107  | 105  | 108  |
|      | 87   | 87   | 88   | 89   | 94   | 99   | 100  | 96   | 93   |
|      | 86   | 86   | 82   | 84   | 92   | 99   | 105  | 97   | 91   |
|      | 108  | 111  | 112  | 113  | 117  | 120  | 126  | 123  | 120  |
|      | 92   | 87   | 91   | 94   | 103  | 110  | 110  | 111  | 108  |
|      | 105  | 107  | 108  | 108  | 115  | 116  | 117  | 123  | 122  |

b/ 321 includes 322

d/ 331 includes 332

f/ 355 includes 356

h/ 372 includes non-ferrous metal ore mining

## GERMANY, WESTERN PART

### Supplier of information:

Federal Statistical Office (Statistisches Bundesamt), Wiesbaden.

Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

### Basic source of data:

Monthly inquiry.

### Major deviations from current version of ISIC:

The data have been converted from the national classification (Systematik für die Statistik im Produzierenden Gewerbe - SYPRO) to ISIC, in so far as details permit. However it should be noted that: Prefabricated building materials, publishing (ISIC 342) and manufacture of natural stone products (ISIC 369) are not covered; manufacture of mattresses (ISIC 332) is included in ISIC 321; manufacture of umbrellas (ISIC 390) in ISIC 322; manufacture of fur wearing apparel (ISIC 322) in ISIC 323; bookbinding (ISIC 342) in ISIC 341; manufacture of mixed lubricating oils and greases (ISIC 353, 354) in ISIC 351 and 352 combined; manufacture of unprocessed plastic pipes and tubes (ISIC 351) in ISIC 356; surface refinement and hardening plants (ISIC 381) in ISIC 371; manufacture of drawn steel wire and forged steel chains (ISIC 371), washing machines (ISIC 382) and assembly and repair of ventilation, heating and sanitary systems (ISIC major division 5) in ISIC 381; manufacture of lighting glassware (ISIC 362), recording of master tapes and records (ISIC major division 9) and manufacture of electric and electronic measuring instruments and meters (ISIC 385) in ISIC 383. Quarrying is included in ISIC 369, erection of structural steel is included in ISIC 381 and the difference in respect of assembly and repair of ventilation, heating and sanitary systems has been adjusted.

### Reference period (if not calendar year):

### Scope:

Local units belonging to enterprises with 20 or more persons engaged including production handicrafts and the industrial units of non-industrial establishments.

### Method of enumeration:

Complete enumeration.

### Adjusted for non-response:

Not reported.

### Concepts and definitions of variables:

Number of persons engaged refers to annual averages of all persons engaged at month's end. Included are working proprietors, active business partners, unpaid family workers, provided they are working for at least one third of the usual working time. Part-time and temporary employees are covered as well as apprentices. Homeworkers are excluded.

Wages and salaries paid to employees covers gross wages and salaries paid excluding employer's contributions to social security. Notably all payments for interim employed persons are included, and contributions to company old-age pensions institutions are excluded.

Output relates to turnover from own production based on invoice values. It includes proceeds from goods sold as purchased and from the sale of waste, power and similar items. Proceeds from non-industrial activities (e.g., interest payments, rentals, dividends) are excluded. The value of shipments also excludes value added or turnover taxes but includes excise duties, costs for freight packing, postage and other charges.

Value added uses the census concept. It is output less the cost of materials, fuels and other supplies, contract and commission work done by others, repair and maintenance work done by others, goods shipped in the same condition as received and electricity purchased. The cost of non-industrial services is excluded while receipts therefrom are included. Input estimates are on a received basis and adjustments have been made for changes in stocks of materials, fuels and other supplies. Valuation is in producers' prices including all direct taxes (excluding turnover tax) and excluding all subsidies.

Gross fixed capital formation is defined as the value of purchases of new and used fixed assets including own-account construction of assets and work in progress. Valuation is at full cost incurred including fees and taxes. Advance payments for investment goods not yet supplied are excluded.

### Related national publications:

Fachserie 4, Reihe 4.1.1., Beschäftigung, Umsatz und Energieversorgung der Unternehmen und Betriebe im Bergbau und im Verarbeitenden Gewerbe, published by Statistisches Bundesamt, Wiesbaden.

## Germany, western part

| ISIC Industry                                    | Note | Number of establishments<br>(numbers) |      |      |      | Note | Number of persons engaged<br>(thousands) |       |       |       | Note | Wages and salaries paid<br>to employees<br>(million MARKS) |       |       |       |
|--|------|---------------------------------------|------|------|------|------|--|-------|-------|-------|------|--|-------|-------|-------|
|  |      | 1985                                  | 1990 | 1991 | 1992 |      | 1985                                     | 1990  | 1991  | 1992  |      | 1985   | 1990  | 1991  | 1992  |
| 311/2 Food Products                              |      | 3376                                  | 3648 | 3633 | 3632 |      | 335 2                                    | 376 3 | 403 1 | 401 5 |      | 11397  | 14553 | 16564 | 17455 |
| 3111 Slaughtering, preparing & preserving meat   |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3112 Dairy products                              |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3113 Canning, preserving of fruits & vegetables  |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3114 Canning, preserving and processing of fish  |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3115 Vegetable and animal oils and fats          |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3116 Grain mill products                         |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3117 Bakery products                             |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3118 Sugar factories and refineries              |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3119 Cocoa, chocolate and sugar confectionery    |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3121 Other food products                         |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3122 Prepared animal feeds                       |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 313 Beverages                                    |      | 994                                   | 877  | 861  | 851  |      | 91 6                                     | 86 5  | 90 0  | 89 2  |      | 3890   | 4414  | 4827  | 5085  |
| 3131 Distilling, rectifying and blending spirits |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3132 Wine industries                             |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3133 Malt liquors and malt                       |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3134 Soft drinks and carbonated waters           |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 314 Tobacco                                      |      | 60                                    | 50   | 48   | 46   |      | 18 7                                     | 15 5  | 16 3  | 15 6  |      | 857  | 878   | 982   | 976   |
| 321 Textiles                                     |      | 2048                                  | 1789 | 1733 | 1671 |      | 246 0                                    | 223 8 | 223 9 | 209 6 |      | 7774   | 8816  | 9102  | 8912  |
| 3211 Spinning, weaving and finishing textiles    |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3212 Made-up textile goods excl. wearing apparel |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3213 Knitting mills                              |      | 741                                   | 537  | 498  | 461  |      | 61 6                                     | 49 0  | 48 0  | 45 2  |      | 1700   | 1659  | 1721  | 1701  |
| 3214 Carpets and rugs                            |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3215 Cordage, rope and twine                     |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3219 Other textiles                              |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 322 Wearing apparel, except footwear             |      | 2116                                  | 1755 | 1688 | 1546 |      | 170 2                                    | 143 2 | 139 4 | 126 0 |      | 4224   | 4323  | 4500  | 4311  |
| 323 Leather and fur products                     |      | 382                                   | 316  | 298  | 287  |      | 24 9                                     | 20 9  | 20 3  | 19 2  |      | 702  | 684   | 698   | 697   |
| 3231 Tanneries and leather finishing             |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3232 Fur dressing and dyeing industries          |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3233 Leather products excl. wearing apparel      |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 324 Footwear, except rubber or plastic           |      | 338                                   | 233  | 217  | 206  |      | 44 7                                     | 30 5  | 29 3  | 26 3  |      | 1292   | 1079  | 1110  | 1068  |
| 331 Wood products, except furniture              |      | 2838                                  | 2721 | 2771 | 2795 |      | 98 5                                     | 103 9 | 108 0 | 109 5 |      | 3360   | 4251  | 4737  | 5096  |
| 3311 Sawmills, planing and other wood mills      |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3312 Wooden and cane containers                  |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3319 Other wood and cork products                |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 332 Furniture and fixtures, excl. metal          |      | 1365                                  | 1334 | 1335 | 1337 |      | 131 0                                    | 141 7 | 147 6 | 148 3 |      | 4808   | 6305  | 6958  | 7380  |
| 341 Paper and products                           |      | 1015                                  | 1072 | 1089 | 1104 |      | 150 0                                    | 163 3 | 170 7 | 167 8 |      | 5898   | 7702  | 8480  | 8812  |
| 3411 Pulp, paper and paperboard articles         |      | 173                                   | 165  | 163  | 161  |      | 48 9                                     | 50 7  | 51 3  | 50 0  |      | 2212   | 2738  | 2909  | 2991  |
| 3412 Containers of paper and paperboard          |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 3419 Other pulp, paper and paperboard articles   |      |                                       |      |      |      |      |  |       |       |       |      |  |       |       |       |
| 342 Printing and publishing                      |      | 1905                                  | 2126 | 2197 | 2272 |      | 162 5                                    | 180 4 | 188 1 | 189 5 |      | 7035   | 9403  | 10371 | 11006 |
| 351 Industrial chemicals                         |      | 319                                   | 328  | 330  | 332  |      | 303 3                                    | 308 0 | 307 8 | 297 3 |      | 16540  | 20634 | 21595 | 22063 |
| 3511 Basic chemicals excl. fertilizers           | a/   | 299                                   | 309  | 312  | 314  | a/   | 278 3                                    | 285 7 | 286 7 | 277 5 | a/   | 15347  | 19393 | 20482 | 20828 |
| 3512 Fertilizers and pesticides                  | a/   |                                       |      |      |      | a/   |  |       |       |       | a/   |  |       |       |       |
| 3513 Synthetic resins and plastic materials      |      | 20                                    | 19   | 18   | 18   |      | 25 0                                     | 22 3  | 21 1  | 19 8  |      | 1193   | 1242  | 1234  | 1234  |
| 352 Other chemicals                              |      | 1245                                  | 1280 | 1289 | 1309 |      | 256 1                                    | 286 4 | 288 3 | 290 3 |      | 12190  | 16583 | 17541 | 18864 |
| 3521 Paints, varnishes and lacquers              | b/   | 804                                   | 825  | 833  | 839  | b/   | 121 7                                    | 137 9 | 136 5 | 136 2 | b/   | 5563   | 7678  | 8029  | 8589  |
| 3522 Drugs and medicines                         |      | 307                                   | 312  | 308  | 316  |      | 83 3                                     | 91 4  | 95 1  | 98 9  |      | 4189   | 5636  | 6105  | 6737  |
| 3523 Soap, cleaning preps, perfume, cosmetics    |      | 135                                   | 143  | 147  | 154  |      | 51 1                                     | 57 1  | 56 7  | 55 2  |      | 2432   | 3269  | 3406  | 3538  |
| 3529 Other chemical products                     | b/   |                                       |      |      |      | b/   |  |       |       |       | b/   |  |       |       |       |
| 353 Petroleum refineries                         | c/   | 82                                    | 81   | 82   | 81   | c/   | 29 5                                     | 23 0  | 23 3  | 22 6  | c/   | 1955   | 1759  | 1849  | 1883  |

|  |    |       |       |       |       |    |        |        |        |        |    |        |        |        |        |
|--|----|-------|-------|-------|-------|----|--------|--------|--------|--------|----|--------|--------|--------|--------|
| 354 Misc petroleum and coal products               | c/ |       |       |       |       | c/ |        |        |        |        | c/ |        |        |        |        |
| 355 Rubber products                                |    | 263   | 274   | 279   | 289   |    | 94 9   | 98 4   | 97 2   | 95 4   |    | 3888   | 4855   | 5044   | 5263   |
| 3551 Tyres and tubes                               |    |       |       |       |       |    |        |        |        |        |    |        |        |        |        |
| 3559 Other rubber products                         |    |       |       |       |       |    |        |        |        |        |    |        |        |        |        |
| 356 Plastic products                               |    | 1971  | 2366  | 2457  | 2545  |    | 208 8  | 286 2  | 301 1  | 300 0  |    | 7572   | 12501  | 13851  | 14676  |
| 361 Pottery, china, earthenware                    |    | 163   | 165   | 160   | 162   |    | 36 4   | 36 9   | 36 2   | 37 7   |    | 1112   | 1356   | 1370   | 1511   |
| 362 Glass and products                             |    | 330   | 347   | 355   | 364   |    | 65 4   | 70 4   | 72 3   | 70 4   |    | 2574   | 3232   | 3553   | 3656   |
| 369 Other non-metallic mineral products            |    | 2551  | 2361  | 2393  | 2428  |    | 146 5  | 138 9  | 145 0  | 143 4  |    | 5908   | 6853   | 7568   | 8010   |
| 3691 Structural clay products                      |    |       |       |       |       |    |        |        |        |        |    |        |        |        |        |
| 3692 Cement, lime and plaster                      |    |       |       |       |       |    |        |        |        |        |    |        |        |        |        |
| 3699 Other non-metallic mineral products           |    |       |       |       |       |    |        |        |        |        |    |        |        |        |        |
| 371 Iron and steel                                 |    | 501   | 483   | 484   | 474   |    | 296 3  | 259 5  | 250 7  | 237 9  |    | 12788  | 13178  | 13386  | 13339  |
| 372 Non-ferrous metals                             |    | 434   | 463   | 484   | 488   |    | 106 2  | 105 0  | 111 1  | 105 5  |    | 4458   | 5356   | 6085   | 6126   |
| 381 Fabricated metal products                      |    | 5212  | 6061  | 6271  | 6371  |    | 571 5  | 660 3  | 683 8  | 681 4  |    | 22374  | 30937  | 33949  | 36537  |
| 3811 Cutlery, hand tools and general hardware      |    |       |       |       |       |    |        |        |        |        |    |        |        |        |        |
| 3812 Furniture and fixtures primarily of metal     |    |       |       |       |       |    |        |        |        |        |    |        |        |        |        |
| 3813 Structural metal products                     |    | 1376  | 1620  | 1637  | 1679  |    | 152 8  | 160 3  | 164 8  | 165 9  |    | 6642   | 8286   | 9018   | 9573   |
| 3819 Other fabricated metal products               |    |       |       |       |       |    |        |        |        |        |    |        |        |        |        |
| 382 Non-electrical machinery                       |    | 5421  | 6281  | 6454  | 6476  |    | 1043 6 | 1173 9 | 1174 2 | 1127 5 |    | 46413  | 63634  | 67088  | 68002  |
| 3821 Engines and turbines                          | d/ | 1870  | 2181  | 2245  | 2261  | d/ | 387 0  | 431 7  | 427 9  | 412 1  | d/ | 16994  | 22827  | 23854  | 24297  |
| 3822 Agricultural machinery and equipment          |    | 227   | 201   | 201   | 207   |    | 46 9   | 40 8   | 39 1   | 38 8   |    | 1856   | 1968   | 1975   | 2107   |
| 3823 Metal and wood working machinery              |    | 937   | 1108  | 1113  | 1117  |    | 135 0  | 158 3  | 158 5  | 148 5  |    | 5904   | 8437   | 8861   | 8576   |
| 3824 Other special industrial machinery            |    | 2250  | 2603  | 2702  | 2709  |    | 391 8  | 459 8  | 466 2  | 453 9  |    | 17269  | 24878  | 26556  | 27366  |
| 3825 Office, computing and accounting machinery    |    | 137   | 187   | 187   | 184   |    | 82 9   | 83 2   | 82 5   | 74 3   |    | 4390   | 5524   | 5841   | 5656   |
| 3829 Other non-electrical machinery & equipment    | d/ |       |       |       |       | d/ |        |        |        |        | d/ |        |        |        |        |
| 383 Electrical machinery                           |    | 3237  | 3854  | 3955  | 4002  |    | 919 8  | 1032 6 | 1039 6 | 1010 8 |    | 38427  | 52724  | 56569  | 58739  |
| 3831 Electrical industrial machinery               |    | 1719  | 2018  | 2059  | 2082  |    | 426 2  | 490 6  | 488 5  | 480 6  |    | 18029  | 24945  | 26253  | 27533  |
| 3832 Radio, television and communication equipment |    | 1070  | 1387  | 1442  | 1461  |    | 379 4  | 415 7  | 422 5  | 402 3  |    | 16083  | 21972  | 24059  | 24565  |
| 3833 Electrical appliances and housewares          |    | 170   | 163   | 164   | 161   |    | 69 8   | 75 8   | 78 3   | 77 4   |    | 2647   | 3459   | 3790   | 3991   |
| 3839 Other electrical apparatus and supplies       |    | 279   | 286   | 290   | 298   |    | 44 5   | 50 5   | 50 4   | 50 5   |    | 1669   | 2347   | 2468   | 2650   |
| 384 Transport equipment                            |    | 1032  | 1103  | 1138  | 1153  |    | 870 2  | 952 0  | 963 6  | 937 7  |    | 40552  | 54785  | 58924  | 61485  |
| 3841 Shipbuilding and repairing                    |    | 119   | 98    | 95    | 95    |    | 44 1   | 33 5   | 33 3   | 32 6   |    | 1811   | 1779   | 1876   | 1922   |
| 3842 Railroad equipment                            |    | 55    | 56    | 58    | 59    |    | 33 0   | 29 8   | 31 2   | 31 4   |    | 1200   | 1302   | 1472   | 1566   |
| 3843 Motor vehicles                                |    | 709   | 795   | 828   | 846   |    | 717 2  | 797 1  | 806 2  | 783 8  |    | 33708  | 46709  | 49603  | 51750  |
| 3844 Motorcycles and bicycles                      |    | 58    | 53    | 53    | 51    |    | 9 2    | 10 4   | 10 7   | 9 8    |    | 335    | 464    | 482    | 468    |
| 3845 Aircraft                                      |    | 65    | 75    | 76    | 77    |    | 63 8   | 77 8   | 78 1   | 76 3   |    | 3395   | 4994   | 5315   | 5608   |
| 3849 Other transport equipment                     |    | 26    | 26    | 27    | 25    |    | 3 0    | 3 5    | 4 0    | 3 8    |    | 104    | 147    | 177    | 170    |
| 385 Professional and scientific equipment          |    | 1353  | 1363  | 1309  | 1321  |    | 144 1  | 144 2  | 145 4  | 143 1  |    | 5453   | 6735   | 7158   | 7447   |
| 3851 Prof and scientific equipment n e c           |    | 974   | 963   | 916   | 936   |    | 80 2   | 82 1   | 84 9   | 86 6   |    | 3018   | 3760   | 4127   | 4452   |
| 3852 Photographic and optical goods                |    | 317   | 319   | 309   | 308   |    | 52 8   | 53 6   | 52 6   | 49 5   |    | 2059   | 2618   | 2688   | 2676   |
| 3853 Watches and clocks                            |    | 109   | 82    | 85    | 77    |    | 11 1   | 8 5    | 8 0    | 6 9    |    | 377    | 357    | 344    | 320    |
| 390 Other manufacturing industries                 |    | 622   | 605   | 617   | 609   |    | 50 2   | 53 6   | 54 5   | 52 4   |    | 1593   | 2034   | 2176   | 2197   |
| 3901 Jewellery and related articles                |    | 165   | 159   | 167   | 161   |    | 10 2   | 11 1   | 11 2   | 10 8   |    | 330    | 433    | 459    | 463    |
| 3902 Musical instruments                           |    |       |       |       |       |    |        |        |        |        |    |        |        |        |        |
| 3903 Sporting and athletic goods                   |    |       |       |       |       |    |        |        |        |        |    |        |        |        |        |
| 3909 Manufacturing industries, n e c               |    |       |       |       |       |    |        |        |        |        |    |        |        |        |        |
| 3 Total manufacturing                              |    | 41221 | 43334 | 43927 | 44151 |    | 6616 1 | 7120 0 | 7230 8 | 7056 0 |    | 275042 | 359333 | 386135 | 399596 |

a/ 3511 includes 3512  
c/ 353 includes 354

b/ 3521 includes 3529  
d/ 3821 includes 3829

Germany, western part

| ISIC Industry                                    | Output in producers' prices<br>(million MARKS) |        |        |        | Note | Value added in producers' prices<br>(million MARKS) |         |         |       | Share of value added in output<br>(percentage) |      | Share of wages and salaries in value added<br>(percentage) |      |
|--|--|--------|--------|--------|------|---|---------|---------|-------|--|------|--|------|
|  | 1985   | 1990   | 1991   | 1992   |      | 1985  | 1990    | 1991    | 1992  | 1985   | 1992 | 1985   | 1992 |
| ISIC Industry                                    | 127050   | 147021 | 158894 | 161936 |      | 31885   | 46192   | 52393   | 54735 | 25.1   | 33.8 | 35.7   | 31.9 |
| 311/2 Food Products                              |  |        |        |        |      |   |         |         |       |  |      |  |      |
| 3111 Slaughtering, preparing & preserving meat   |  |        |        |        |      |   |         | 7226    | 7881  |  |      |  |      |
| 3112 Dairy products                              |  |        |        |        |      |   | 5309    | 5928    | 6194  |  |      |  |      |
| 3113 Canning, preserving of fruits & vegetables  |  |        |        |        |      |   | 2676    | 3099    | 3146  |  |      |  |      |
| 3114 Canning, preserving and processing of fish  |  |        |        |        |      |   | 1326    | 1421    | 1329  |  |      |  |      |
| 3115 Vegetable and animal oils and fats          |  |        |        |        |      |   | 1512    | 1666    | 2088  |  |      |  |      |
| 3116 Grain mill products                         |  |        |        |        |      |   | 609     | 694     | 628   |  |      |  |      |
| 3117 Bakery products                             |  |        |        |        |      |   | 1187    | 8265    | 8956  |  |      |  |      |
| 3118 Sugar factories and refineries              |  |        |        |        |      |   | 2098    | 2211    | 2211  |  |      |  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |  |        |        |        |      |   | 6376    | 7416    | 1172  |  |      |  |      |
| 3121 Other food products                         |  |        |        |        |      |   | 9725    | 11399   | 12244 |  |      |  |      |
| 3122 Prepared animal feeds                       |  |        |        |        |      |   | 2148    | 2371    | 2707  |  |      |  |      |
| 313 Beverages                                    | 27481  | 35772  | 38742  | 39526  |      | 14858   | 19245   | 21022   | 21913 | 54.1   | 55.4 | 26.2   | 23.2 |
| 3131 Distilling, rectifying and blending spirits |  |        |        |        |      |   | 2476    | 2883    | 2992  |  |      |  |      |
| 3132 Wine industries                             |  |        |        |        |      |   | 138     | 1472    | 1548  |  |      |  |      |
| 3133 Malt liquors and malt                       |  |        |        |        |      |   | 11085   | 11839   | 12556 |  |      |  |      |
| 3134 Soft drinks and carbonated waters           |  |        |        |        |      |   | 4301    | 4828    | 4816  |  |      |  |      |
| 314 Tobacco                                      | 21093  | 23708  | 27358  | 28407  |      | 16839   | 20412   | 22056   | 21997 | 79.8   | 83.3 | 5.1  | 4.4  |
| 321 Textiles                                     | 38781  | 44575  | 45078  | 43166  |      | 16269   | 19144   | 19688   | 19304 | 42.0   | 44.7 | 47.8   | 46.2 |
| 3211 Spinning, weaving and finishing textiles    |  |        |        |        |      |   | 9823    | 9497    | 9305  |  |      |  |      |
| 3212 Made-up textile goods excl. wearing appare. |  |        |        |        |      |   | 1340    | 1474    | 1487  |  |      |  |      |
| 3213 Knitting mills                              |  |        |        |        |      |   | 3704    | 4134    | 3834  |  |      |  |      |
| 3214 Carpets and rugs                            |  |        |        |        |      |   | 37      | 32      | 42    |  |      |  |      |
| 3215 Cordage, rope and twine                     |  |        |        |        |      |   | 4240    | 4551    | 4642  |  |      |  |      |
| 3219 Other textiles                              |  |        |        |        |      |   |         |         |       |  |      |  |      |
| 322 Wearing appare., except footwear             | 19594  | 23335  | 24785  | 23513  |      | 8752  | 9511    | 9809    | 9566  | 42.1   | 40.7 | 51.2   | 45.1 |
| 323 Leather and fur products                     | 3908   | 3732   | 3640   | 3468   |      | 1474  | 1526    | 1579    | 1448  | 37.7   | 41.7 | 47.6   | 48.1 |
| 3231 Tanneries and leather finishing             |  |        |        |        |      |   | 409     | 458     | 376   |  |      |  |      |
| 3232 Fur dressing and dyeing industries          |  |        |        |        |      |   | 83      | 71      | 97    |  |      |  |      |
| 3233 Leather prod. excl. wearing appare.         |  |        |        |        |      |   | 1034    | 1050    | 975   |  |      |  |      |
| 324 Footwear, except rubber or plastic           | 6292   | 5861   | 6044   | 5688   |      | 2136  | 1862    | 1964    | 2021  | 33.9   | 35.5 | 60.5   | 52.8 |
| 331 Wood products, except furniture              | 16002  | 22170  | 23610  |        |      | 7158  | 9983    | 11157   | 11953 | 44.7   |      | 46.9   | 42.6 |
| 3311 Sawmills, planing and other wood mills      |  |        |        |        |      |   | 544     | 610     | 861   |  |      |  |      |
| 3312 Wooden and cane containers                  |  |        |        |        |      |   | 2171    | 2338    | 2461  |  |      |  |      |
| 3319 Other wood and cork products                |  |        |        |        |      |   |         |         |       |  |      |  |      |
| 332 Furniture and fixtures, excl. metal          | 18827  | 26566  | 30239  | 31535  |      | 9080  | 12740   | 14496   | 19630 | 48.2   | 50.2 | 53.0   | 45.6 |
| 341 Paper and products                           | 36263  |        |        |        |      | 15370   | 21796   | 24577   | 24402 | 42.4   | 52.0 | 36.4   | 36.1 |
| 3411 Pulp, paper and paperboard articles         | 16275  |        |        |        |      | 6835  | 9046    | 9241    | 8237  | 42.0   | 45.5 | 32.4   | 36.3 |
| 3412 Containers of paper and paperboard          |  |        |        |        |      |   |         |         |       |  |      |  |      |
| 3419 Other pulp, paper and paperboard articles   |  |        |        |        |      |   |         |         |       |  |      |  |      |
| 342 Printing and publishing                      | 24279  | 33470  | 36530  | 36833  |      | 12186   | 16570   | 18228   | 19049 | 50.2   | 51.7 | 57.7   | 57.8 |
| 351 Industrial chemicals                         | 11131  |        |        |        |      | 48781   | 57416   | 54572   | 53115 | 43.8   |      | 33.9   | 41.5 |
| 3511 Basic chemicals excl. fertilizers           | 104304   |        |        |        |      | 46898a/   | 56230a/ | 57489a/ |       | 44.9   |      | 32.7   |      |
| 3512 Fertilizers and pesticides                  |  |        |        |        |      |   |         |         |       |  |      |  |      |
| 3513 Synthetic resins and plastic materials      | 6931   |        |        |        |      | 1882  | 2186    | 2083    |       | 27.2   |      | 63.4   |      |
| 352 Other chemicals                              | 67147  | 88540  | 93818  | 98006  |      | 34141   | 46145   | 51371   | 53506 | 50.8   | 54.6 | 35.7   | 35.3 |
| 3521 Paints, varnishes and lacquers              | 33792  | 43326  | 44476  | 45807  | b/   | 13574   | 18023   | 21032   | 22262 | 40.2   | 48.6 | 41.0   | 38.6 |
| 3522 Drugs and medicines                         | 19401  | 27657  | 29657  | 31718  |      | 13175   | 17859   | 19100   | 20882 | 57.6   | 66.7 | 31.8   | 32.3 |
| 3523 Soap, cleaning prep., perfumes, cosmetics   | 13855  | 17650  | 19685  | 20481  | b/   | 7392  | 9563    | 10589   | 10390 | 53.4   | 50.7 | 32.9   | 34.1 |
| 3529 Other chemical products                     |  |        |        |        |      |   |         |         |       |  |      |  |      |
| 353 Petroleum refineries                         | 111766   | 91355  | 105903 | 103016 | c/   | 29810   | 31761   | 37457   | 42087 | 26.7   | 40.9 | 6.6  | 4.5  |



|  |    |         |         |         |         |        |        |        |        |      |      |      |      |  |
|--|----|---------|---------|---------|---------|--------|--------|--------|--------|------|------|------|------|--|
| 354 Misc. petroleum and coal products              | c/ |         |         |         |         |        |        |        |        |      |      |      |      |  |
| 355 Rubber products                                |    | 16124   | 18538   | 19221   | 20290   | 8479   | 10363  | 10414  | 10728  | 52 6 | 52 9 | 45 8 | 49 1 |  |
| 3551 Tyres and tubes                               |    |         |         |         |         |        |        |        |        |      |      |      |      |  |
| 3559 Other rubber products                         |    |         |         |         |         |        |        |        |        |      |      |      |      |  |
| 356 Plastic products                               |    | 34365   | 55341   | 61141   | 62395   | 16598  | 27972  | 31411  | 32056  | 48 3 | 51 4 | 45 5 | 45 8 |  |
| 361 Pottery, china, earthenware                    |    | 2810    | 3456    | 3487    | 4035    | 1974   | 2512   | 2690   | 2570   | 70 2 | 63 7 | 56 3 | 58 8 |  |
| 352 Glass and products                             |    | 10162   | 13376   | 14158   | 14128   | 5642   | 7741   | 8328   | 8469   | 55 5 | 59 9 | 45 6 | 43 7 |  |
| 369 Other non-metallic mineral products            |    | 25807   | 32974   | 36835   | 39633   | 14354  | 19439  | 21542  | 23695  | 55 6 | 59 8 | 41 2 | 33 8 |  |
| 3691 Structural clay products                      |    |         |         |         |         |        | 4618   | 4963   | 5316   |      |      |      |      |  |
| 3692 Cement, lime and plaster                      |    |         |         |         |         |        | 3708   | 4042   | 4454   |      |      |      |      |  |
| 3699 Other non-metallic mineral products           |    |         |         |         |         |        | 11113  | 12537  | 13925  |      |      |      |      |  |
| 371 Iron and steel                                 |    | 64793   | 64824   | 61544   | 56861   | 28079  | 31029  | 30170  | 28574  | 43 3 | 50 3 | 45 5 | 46 7 |  |
| 372 Non-ferrous metals                             |    | 30189   | 32976   | 31688   | 30202   | 10045  | 12495  | 12573  | 12357  | 33 3 | 40 9 | 44 4 | 49 6 |  |
| 381 Fabricated metal products                      |    | 85073   | 121089  | 132241  | 137731  | 4 692  | 63305  | 70102  | 71572  | 49 0 | 52 0 | 53 7 | 49 7 |  |
| 3811 Cutlery, hand tools and general hardware      |    |         |         |         |         |        | 12452  | 13304  | 13525  |      |      |      |      |  |
| 3812 Furniture and fixtures primarily of metal     |    |         |         |         |         |        | 4074   | 4395   | 4579   |      |      |      |      |  |
| 3813 Structural metal products                     |    | 21516   | 29268   | 32117   | 35522   | 10793  | 15429  | 17444  | 18727  | 50 2 | 52 7 | 51 5 | 51 1 |  |
| 3819 Other fabricated metal products               |    |         |         |         |         |        | 31349  | 34959  | 34642  |      |      |      |      |  |
| 382 Non-electrical machinery                       |    | 177101  | 232187  | 243439  | 239518  | 99544  | 133366 | 141193 | 139465 | 55 2 | 58 2 | 46 5 | 48 8 |  |
| 3821 Engines and turbines                          | d/ | 68980   | 82925   | 83885   | 85325   | 34984  | 45928  | 47852  | 49757  | 50 7 | 58 3 | 48 5 | 48 8 |  |
| 3822 Agricultural machinery and equipment          |    | 8346    | 8778    | 8273    | 9028    | 5051   | 3800   | 3585   | 3542   | 60 5 | 40 3 | 36 7 | 57 9 |  |
| 3823 Metal and wood working machinery              |    | 18124   | 26785   | 26396   | 23429   | 10781  | 16740  | 16407  | 14470  | 59 5 | 51 8 | 54 8 | 59 3 |  |
| 3824 Other special industrial machinery            |    | 63488   | 94830   | 99065   | 97815   | 35220  | 51658  | 52830  | 53313  | 55 7 | 54 5 | 49 0 | 51 3 |  |
| 3825 Office, computing and accounting machinery    |    | 18163   | 18865   | 25819   | 23921   | 13509  | 15240  | 20509  | 18283  | 74 4 | 76 4 | 32 5 | 30 9 |  |
| 3829 Other non-electrical machinery & equipment    | d/ |         |         |         |         |        |        |        |        |      |      |      |      |  |
| 383 Electrical machinery                           |    | 149218  | 200527  | 210132  | 217557  | 83400  | 117247 | 123049 | 124966 | 55 9 | 7 4  | 46 1 | 47 0 |  |
| 3831 Electrical industrial machinery               |    | 65285   | 91473   | 91263   | 95906   | 32306  | 42765  | 45253  | 47028  | 49 0 | 49 0 | 55 8 | 58 5 |  |
| 3832 Radio, television and communication equipment |    | 64085   | 81603   | 88864   | 90459   | 42097  | 61326  | 62901  | 62258  | 65 7 | 68 8 | 38 2 | 39 5 |  |
| 3833 Electrical appliances and housewares          |    | 12304   | 17618   | 19618   | 20072   | 5409   | 7852   | 9489   | 9797   | 44 0 | 48 8 | 48 9 | 40 7 |  |
| 3839 Other electrical apparatus and supplies       |    | 6944    | 9834    | 10387   | 11119   | 3588   | 5305   | 5405   | 5883   | 51 7 | 52 9 | 46 5 | 45 0 |  |
| 384 Transport equipment                            |    | 190879  | 263580  | 295904  | 292935  | 85505  | 108954 | 120652 | 122933 | 44 8 | 42 0 | 47 4 | 50 0 |  |
| 3841 Shipbuilding and repairing                    |    | 7342    | 8068    | 7814    | 7641    | 2796   | 2890   | 3277   | 3344   | 38 1 | 43 8 | 54 8 | 57 5 |  |
| 3842 Railroad equipment                            |    | 1358    | 1716    | 2804    | 2954    | 699    | 861    | 997    | 1368   | 51 5 | 46 3 |      |      |  |
| 3843 Motor vehicles                                |    | 170420  | 233960  | 264387  | 263307  | 76134  | 95902  | 106025 | 107943 | 44 7 | 41 0 | 44 3 | 47 9 |  |
| 3844 Motorcycles and bicycles                      |    | 1468    | 2304    | 2353    | 2287    | 435    | 789    | 798    | 781    | 29 5 | 34 2 | 77 0 | 59 9 |  |
| 3845 Aircraft                                      |    | 9984    | 16954   | 17756   | 16012   | 5359   | 8217   | 9212   | 9134   | 54 2 | 57 0 | 63 3 | 51 4 |  |
| 3849 Other transport equipment                     |    | 457     | 577     | 789     | 734     | 182    | 296    | 343    | 363    | 44 8 | 49 4 | 57 2 | 45 8 |  |
| 385 Professional and scientific equipment          |    | 18349   | 23438   | 24856   | 25795   | 10146  | 12943  | 13984  | 14715  | 55 3 | 57 0 | 53 7 | 50 6 |  |
| 3851 Prof. and scientific equipment n.e.c.         |    | 9307    | 11833   | 13114   | 14030   | 5876   | 7680   | 8540   | 9135   | 63 1 | 55 1 | 51 4 | 48 7 |  |
| 3852 Photographic and optical goods                |    | 7522    | 10113   | 10403   | 10499   | 3615   | 4598   | 4842   | 5000   | 48 1 | 47 6 | 56 9 | 53 5 |  |
| 3853 Watches and clocks                            |    | 1520    | 1492    | 1348    | 1266    | 655    | 665    | 602    | 579    | 43 1 | 45 8 | 57 5 | 55 2 |  |
| 390 Other manufacturing industries                 |    | 6173    | 8028    | 8435    | 8271    | 3459   | 4604   | 4887   | 4828   | 56 0 | 58 4 | 46 1 | 45 5 |  |
| 3901 Jewellery and related articles                |    | 1379    | 2039    | 2078    | 1873    |        | 1003   | 1048   | 949    |      | 50 7 |      | 48 7 |  |
| 3902 Musical instruments                           |    |         |         |         |         |        | 505    | 528    | 493    |      |      |      |      |  |
| 3903 Sporting and athletic goods                   |    |         |         |         |         |        | 298    | 330    | 552    |      |      |      |      |  |
| 3909 Manufacturing industries, n.e.c.              |    |         |         |         |         |        | 2797   | 2981   | 2834   |      |      |      |      |  |
| 3 Total manufacturing                              | e/ | 1440838 | 1770327 | 1892318 | 1858230 | 657253 | 855275 | 931364 | 947858 | 45 6 | 49 9 | 41 8 | 42 2 |  |

a/ 3511 includes 3512

c/ 353 includes 354

e/ Total manufacturing includes activities that are not adequately defined and therefore not classified at the industry level

b/ 3521 includes 3529

d/ 3821 includes 3829

## Germany, western part

| ISIC Industry                             | Note | Gross fixed capital formation |       |        |       | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|-------|--------|-------|------|--|------|------|------|------|------|------|------|
|   |      | (million MARKS)               |       |        |       |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990  | 1991   | 1992  |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      | 3033                          | 5036  | 6354   |       | 103  | 107                                    | 110  | 111  | 115  | 120  | 132  | 141  | 140  |
| 313 Beverages                             |      | 1645                          | 3082  | 3676   | 3830  | 99   | 100                                    | 102  | 101  | 104  | 105  | 119  | 120  | 128  |
| 314 Tobacco                               |      | 321                           | 341   | 521    | 432   | 99   | 102                                    | 103  | 98   | 98   | 98   | 110  | 124  | 120  |
| 321 Textiles                              |      | 1598                          | 2271  | 2167   | 1795  | a/   | 91                                     | 94   | 95   | 94   | 92   | 93   | 95   | 94   |
| 322 Wearing apparel, except footwear      |      | 266                           | 399   | 385    | 370   | a/   | 82                                     | 81   | 81   | 77   | 73   | 70   | 69   | 68   |
| 323 Leather and fur products              |      | 94                            | 81    | 89     | 83    |      | 80                                     | 7E   | 78   | 76   | 72   | 67   | 68   | 65   |
| 324 Footwear, except rubber or plastic    |      | 114                           | 110   | 120    | 109   |      | 89                                     | 54   | 77   | 72   | 68   | 62   | 58   | 48   |
| 331 Wood products, except furniture       |      | 561                           |       | 1400   | 1573  |      | 85                                     | 81   | 83   | 83   | 90   | 98   | 105  | 111  |
| 332 Furniture and fixtures, excl metal    |      | 478                           | 915   |        | 1174  |      | 81                                     | 75   | 76   | 77   | 79   | 83   | 88   | 96   |
| 341 Paper and products                    |      | 1890                          | 3757  | 4014   | 3691  |      | 108                                    | 111  | 114  | 119  | 126  | 132  | 142  | 144  |
| 342 Printing and publishing               |      | 1331                          | 2226  | 2360   | 2215  |      | 99                                     | 100  | 102  | 105  | 108  | 114  | 123  | 129  |
| 351 Industrial chemicals                  |      | 4553                          |       |        |       |      | 109                                    | 110  | 109  | 112  | 118  | 118  | 114  | 115  |
| 352 Other chemicals                       |      | 2820                          | 3987  | 4270   | 5184  |      | 106                                    | 108  | 109  | 111  | 117  | 123  | 129  | 142  |
| 353 Petroleum refineries                  |      | 1320                          | 1372  | 2276   | 2213  | b/   | 80                                     | 78   | 77   | 73   | 78   | 76   | 79   | 80   |
| 354 Misc petroleum and coal products      | b/   |                               |       |        |       | b/   |  |      |      |      |      |      |      |      |
| 355 Rubber products                       | b/   | 817                           | 1085  | 1091   | 980   | c/   | 107                                    | 111  | 112  | 116  | 122  | 124  | 112  | 102  |
| 356 Plastic products                      |      | 1954                          | 3843  | 3933   | 3768  |      | 111                                    | 117  | 123  | 128  | 138  | 149  | 166  | 178  |
| 361 Pottery, china, earthenware           |      | 148                           | 198   | 213    | 189   |      | 90                                     | 89   | 89   | 87   | 87   | 90   | 92   | 89   |
| 362 Glass and products                    |      | 655                           | 1286  | 1295   | 1081  |      | 95                                     | 100  | 105  | 105  | 112  | 119  | 124  | 129  |
| 369 Other non-metallic mineral products   |      |                               | 2619  | 3066   | 3360  | d/c/ | 85                                     | 78   | 79   | 77   | 31   | 87   | 90   | 95   |
| 371 Iron and steel                        |      | 4107                          | 3165  | 3747   | 3654  |      | 91                                     | 95   | 89   | 86   | 95   | 98   | 93   | 92   |
| 372 Non-ferrous metals                    |      |                               | 1624  | 1690   | 1868  |      | 109                                    | 112  | 119  | 122  | 128  | 131  | 137  | 134  |
| 381 Fabricated metal products             |      | 3401                          |       |        | 6519  |      | 91                                     | 94   | 97   | 97   | 102  | 110  | 118  | 124  |
| 382 Non-electrical machinery              |      | 7758                          | 12489 | 12865  | 10841 |      | 98                                     | 106  | 112  | 109  | 113  | 123  | 130  | 117  |
| 383 Electrical machinery                  |      |                               | 11960 | 11507  | 11342 |      | 106                                    | 119  | 125  | 125  | 132  | 143  | 151  | 156  |
| 384 Transport equipment                   |      |                               |       |        | 14906 |      | 108                                    | 120  | 124  | 128  | 128  | 137  | 145  | 148  |
| 385 Professional and scientific equipment |      | 848                           | 1224  | 1314   | 1182  |      | 93                                     | 103  | 110  | 106  | 114  | 113  | 119  | 124  |
| 390 Other manufacturing industries        |      | 233                           | 400   | 487    | 400   |      | 93                                     | 94   | 96   | 99   | 104  | 112  | 116  | 120  |
| 3 Total manufacturing                     | e/   | 60913                         | 94565 | 101549 | 99312 | d/   | 99                                     | 104  | 107  | 107  | 112  | 118  | 124  | 127  |

a/ 322 includes made-up textile goods except wearing apparel

c/ 355 includes asbestos products

e/ Total manufacturing includes activities that are not adequately defined and therefore not classified at the industry level

b/ 353 includes 354

d/ 369 includes stone quarrying, clay and sand pits

## GHANA

**Supplier of information:**

Statistical Service, Accra.

**Basic source of data:**

Industrial report

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

All establishments.

**Method of enumeration:**

Individual site visits by enumerators.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Persons engaged refers to paid and unpaid staff.

**Related national publications:**

Industrial Statistics 1985-1986; Ghana Industrial Census 1987, Part II Report Background and Results, both published by Statistical Service, Accra.

## Ghana

| ISIC Industry                                    | Note | Number of establishments<br>(numbers) |      |      |      | Note  | Number of persons engaged<br>(numbers) |      |      |      | Note   | Wages and salaries paid<br>to employees<br>(thousand CEDIS) |      |      |      |
|--|------|---------------------------------------|------|------|------|-------|--|------|------|------|--------|---|------|------|------|
|  |      | 1985                                  | 1987 | 1988 | 1989 |       | 1985                                   | 1987 | 1988 | 1989 |        | 1985  | 1987 | 1988 | 1989 |
| 311/2 Food Products                              |      |                                       | 137  |      |      | 7295  | 12264                                  |      |      |      | 395430 | 1655497   |      |      |      |
| 3111 Slaughtering, preparing & preserving meat   |      |                                       |      |      |      | 240   | 319                                    |      |      |      | 9846   | 70006   |      |      |      |
| 312 Dairy products                               |      |                                       |      |      |      | 806   | 834                                    |      |      |      | 78500  | 158435  |      |      |      |
| 3113 Canning, preserving of fruits & vegetables  |      |                                       |      |      |      | 384   | 801                                    |      |      |      | 11017  | 50344   |      |      |      |
| 3114 Canning, preserving and processing of fish  |      |                                       |      |      |      | 363   | 2438                                   |      |      |      | 15649  | 348860  |      |      |      |
| 3115 Vegetable and animal oils and fats          |      |                                       |      |      |      | 2240  | 1900                                   |      |      |      | 89100  | 164414  |      |      |      |
| 3116 Grain mill products                         |      |                                       |      |      |      | 752   | 1371                                   |      |      |      | 47368  | 199944  |      |      |      |
| 3117 Bakery products                             |      |                                       |      |      |      | 429   | 1360                                   |      |      |      | 11476  | 61284   |      |      |      |
| 3118 Sugar factories and refineries              |      |                                       |      |      |      | -     | 30                                     |      |      |      | -      | 572   |      |      |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      |                                       |      |      |      | 1896  | 2012                                   |      |      |      | 125188 | 435194  |      |      |      |
| 3121 Other food products                         |      |                                       |      |      |      | 61    | 901                                    |      |      |      | 1969   | 79652   |      |      |      |
| 3122 Prepared animal feeds                       |      |                                       |      |      |      | 224   | 298                                    |      |      |      | 10317  | 27193   |      |      |      |
| 313 Beverages                                    |      |                                       | 46   |      |      | 4238  | 5303                                   |      |      |      | 310775 | 1123127   |      |      |      |
| 3131 Distilling, rectifying and blending spirits |      |                                       |      |      |      | 942   | 1497                                   |      |      |      | 30480  | 62662   |      |      |      |
| 3132 Wine industries                             |      |                                       |      |      |      | -     | -                                      |      |      |      | -      | -   |      |      |      |
| 3133 Malt liquors and malt                       |      |                                       |      |      |      | 2506  | 2964                                   |      |      |      | 241700 | 862474  |      |      |      |
| 3134 Soft drinks and carbonated waters           |      |                                       |      |      |      | 790   | 842                                    |      |      |      | 38596  | 98001   |      |      |      |
| 314 Tobacco                                      |      |                                       | 4    |      |      | 1482  | 1856                                   |      |      |      | 81465  | 309770  |      |      |      |
| 321 Textiles                                     |      |                                       | 51   |      |      | 13760 | 11444                                  |      |      |      | 622040 | 1367081   |      |      |      |
| 3211 Spinning, weaving and finishing textiles    |      |                                       |      |      |      | 11702 | 10411                                  |      |      |      | 543928 | 1261564   |      |      |      |
| 3212 Made-up textile goods excl. wearing apparel |      |                                       |      |      |      | 131   | 317                                    |      |      |      | 5762   | 29610   |      |      |      |
| 3213 Knitting mills                              |      |                                       |      |      |      | 382   | 272                                    |      |      |      | 18314  | 20106   |      |      |      |
| 3214 Carpets and rugs                            |      |                                       |      |      |      | 66    | 101                                    |      |      |      | 4257   | 12193   |      |      |      |
| 3215 Cordage, rope and twine                     |      |                                       |      |      |      | 1479  | 343                                    |      |      |      | 197790 | 43709   |      |      |      |
| 3219 Other textiles                              |      |                                       |      |      |      | -     | -                                      |      |      |      | -      | -   |      |      |      |
| 322 Wearing apparel, except footwear             |      |                                       | 299  |      |      | 865   | 879                                    |      |      |      | 31611  | 69248   |      |      |      |
| 323 Leather and fur products                     |      |                                       | 8    |      |      | 182   | 284                                    |      |      |      | 6131   | 27406   |      |      |      |
| 3231 Tanneries and leather finishing             |      |                                       |      |      |      | 78    | 149                                    |      |      |      | 3168   | 11320   |      |      |      |
| 3232 Fur dressing and dyeing industries          |      |                                       |      |      |      | -     | -                                      |      |      |      | -      | -   |      |      |      |
| 3233 Leather prod. excl. wearing apparel         |      |                                       |      |      |      | 104   | 135                                    |      |      |      | 2965   | 16086   |      |      |      |
| 324 Footwear, except rubber or plastic           |      |                                       | 8    |      |      | 326   | 318                                    |      |      |      | 12232  | 29366   |      |      |      |
| 331 Wood products, except furniture              |      |                                       | 131  |      |      | 11854 | 18,60                                  |      |      |      | 470106 | 1914160   |      |      |      |
| 3311 Sawmills, planing and other wood mills      |      |                                       |      |      |      | 11892 | 18554                                  |      |      |      | 470106 | 1908408   |      |      |      |
| 3312 Wooden and cane containers                  |      |                                       |      |      |      | -     | 19                                     |      |      |      | -      | 1779  |      |      |      |
| 3319 Other wood and cork products                |      |                                       |      |      |      | -     | 187                                    |      |      |      | -      | 3973  |      |      |      |
| 332 Furniture and fixtures, excl. metal          |      |                                       | 168  |      |      | 1077  | 6227                                   |      |      |      | 34058  | 356796  |      |      |      |
| 341 Paper and products                           |      |                                       | 6    |      |      | 696   | 775                                    |      |      |      | 39765  | 109478  |      |      |      |
| 3411 Pulp, paper and paperboard articles         |      |                                       |      |      |      | -     | -                                      |      |      |      | -      | -   |      |      |      |
| 3412 Containers of paper and paperboard          |      |                                       |      |      |      | 585   | 637                                    |      |      |      | 33502  | 70043   |      |      |      |
| 3419 Other pulp, paper and paperboard articles   |      |                                       |      |      |      | 110   | 238                                    |      |      |      | 6263   | 38435   |      |      |      |
| 342 Printing and publishing                      |      |                                       | 77   |      |      | 3219  | 6045                                   |      |      |      | 138870 | 682239  |      |      |      |
| 351 Industrial chemicals                         |      |                                       | 18   |      |      | 303   | 1119                                   |      |      |      | 23791  | 151473  |      |      |      |
| 3511 Basic chemicals excl. fertilizers           |      |                                       |      |      |      | 111   | 93                                     |      |      |      | 14512  | 22418   |      |      |      |
| 3512 Fertilizers and pesticides                  |      |                                       |      |      |      | 192   | 452                                    |      |      |      | 9279   | 65441   |      |      |      |
| 3513 Synthetic resins and plastic materials      |      |                                       |      |      |      | -     | 574                                    |      |      |      | -      | 63614   |      |      |      |
| 352 Other chemicals                              |      |                                       | 51a/ |      |      | 3084  | 3907                                   |      |      |      | 167874 | 747973  |      |      |      |
| 3521 Paints, varnishes and lacquers              |      |                                       |      |      |      | 277   | 336                                    |      |      |      | 8770   | 46096   |      |      |      |
| 3522 Drugs and medicines                         |      |                                       |      |      |      | 1385  | 1966                                   |      |      |      | 51511  | 307768  |      |      |      |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      |                                       |      |      |      | 1242  | 1391                                   |      |      |      | 83047  | 349687  |      |      |      |
| 3529 Other chemical products                     |      |                                       |      |      |      | 232   | 312                                    |      |      |      | 24061  | 44422   |      |      |      |
| 353 Petroleum refineries                         |      |                                       | a/   |      |      | 674   | 678                                    |      |      |      | 162131 | 329306  |      |      |      |

|   |      |       |       |         |          |
|---|------|-------|-------|---------|----------|
| 354 Misc petroleum and coal products            |      | -     | -     | -       | -        |
| 355 Rubber products                             | 7    | 1267  | 1162  | 46854   | 101171   |
| 3551 Tyres and tubes                            |      | 810   | 726   | 39141   | 68894    |
| 3559 Other rubber products                      |      | 457   | 436   | 17713   | 32277    |
| 356 Plastic products                            | 10   | 562   | 389   | 27553   | 53097    |
| 361 Pottery, china, earthenware                 | 6    | 413   | 150   | 6654    | 8481     |
| 362 Glass and products                          | 3    | 690   | 580   | 36926   | 53242    |
| 369 Other non-metallic mineral products         | 43   | 1703  | 2709  | 179272  | 375975   |
| 3691 Structural clay products                   |      | 283   | 591   | 20780   | 39440    |
| 3692 Cement, lime and plaster                   |      | 655   | 683   | 103687  | 171470   |
| 3699 Other non-metallic mineral products        |      | 765   | 1435  | 64805   | 165065   |
| 371 Iron and steel                              | 4    | 478   | 583   | 23207   | 64663    |
| 372 Non-ferrous metals                          | 6    | 1155  | 2276  | 281364  | 1460232  |
| 381 Fabricated metal products                   | 78   | 3364  | 3590  | 129048  | 418970   |
| 3811 Cutlery, hand tools and general hardware   |      | 153   | 1132  | 36509   | 167049   |
| 3812 Furniture and fixtures primarily of metal  |      | 291   | 439   | 12895   | 27197    |
| 3813 Structural metal products                  |      | 706   | 541   | 34047   | 39813    |
| 3819 Other fabricated metal products            |      | 1214  | 1478  | 45497   | 184911   |
| 382 Non-electrical machinery                    | 22   | 50    | 1070  | 1340    | 95910    |
| 3821 Engines and turbines                       |      | -     | -     | -       | -        |
| 3822 Agricultural machinery and equipment       |      | 50    | 154   | 1340    | 30907    |
| 3823 Metal and wood working machinery           |      | -     | 65    | -       | 5067     |
| 3824 Other special industrial machinery         |      | -     | 526   | -       | 59089    |
| 3825 Office, computing and accounting machinery |      | -     | -     | -       | -        |
| 3829 Other non-electrical machinery & equipment |      | -     | 25    | -       | 852      |
| 383 Electrical machinery                        | 17   | 818   | 991   | 38282   | 152037   |
| 3831 Electrical industrial machinery            |      | -     | -     | -       | -        |
| 3832 Radio, television and communication equipa |      | 377   | 225   | 14330   | 32849    |
| 3833 Electrical appliances and housewares       |      | 84    | 204   | 1316    | 30790    |
| 3839 Other electrical apparatus and supplies    |      | 362   | 562   | 15637   | 88398    |
| 384 Transport equipment                         | 41   | 1288  | 1546  | 44953   | 160794   |
| 3841 Shipbuilding and engineering               |      | 441   | 329   | 8533    | 26687    |
| 3842 Railroad equipment                         |      | -     | -     | -       | -        |
| 3843 Motor vehicles                             |      | 742   | 990   | 28786   | 124869   |
| 3844 Motorcycles and bicycles                   |      | 105   | 227   | 7684    | 19238    |
| 3845 Aircraft                                   |      | -     | -     | -       | -        |
| 3849 Other transport equipment                  |      | -     | -     | -       | -        |
| 385 Professional and scientific equipment       | 5    | 368   | 231   | 13563   | 36502    |
| 3851 Prof and scientific equipment n e c        |      | 348   | 211   | 5737    | 34330    |
| 3852 Photographic and optical goods             |      | 20    | 20    | 326     | 2272     |
| 3853 Watches and clocks                         |      | -     | -     | -       | -        |
| 390 Other manufacturing industries              | 12   | 90    | 348   | 4296    | 33473    |
| 3901 Jewelry and related articles               |      | 35    | 44    | 508     | 2557     |
| 3902 Musical instruments                        |      | -     | 24    | -       | 760      |
| 3903 Sporting and athletic goods                |      | -     | -     | -       | -        |
| 3909 Manufacturing industries, n e c            |      | 55    | 280   | 3388    | 30166    |
| 3 Total manufacturing                           | 1258 | 61338 | 83484 | 3319490 | 11786570 |

a/ 352 includes 353

## Ghana

| ISIC industry                                    | Note | Output in producers' prices<br>(million CEDIS) |         |      |      | Note   | Value added in producers' prices<br>(million CEDIS) |      |      |      | Share of value added in output<br>(percentage) |      | Share of wages and salaries in value added<br>(percentage) |      |
|--|------|--|---------|------|------|--------|---|------|------|------|--|------|--|------|
|  |      | 1985   | 1987    | 1988 | 1989 |        | 1985  | 1987 | 1988 | 1989 | 1985   | 1989 | 1985   | 1989 |
| 311/2 Food Products                              |      | 6978.8   | 23015.2 |      |      | 2699.3 | 6954.0  |      |      | 38.7 | 38.7   | 14.6 | 14.6   |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 64.3   | 215.3   |      |      | 20.7   | 13.0  |      |      | 32.1 | 32.1   | 47.6 | 47.6   |      |
| 3112 Dairy products                              |      | 1142.2   | 3353.4  |      |      | 760.5  | 1870.6  |      |      | 66.6 | 66.6   | 10.3 | 10.3   |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 54.5   | 417.4   |      |      | 19.8   | 343.9   |      |      | 36.4 | 36.4   | 55.6 | 55.6   |      |
| 3114 Canning, preserving and processing of fish  |      | 205.5  | 1254.7  |      |      | 24.0   | 268.9   |      |      | 11.7 | 11.7   | 65.2 | 65.2   |      |
| 3115 Vegetable and animal oils and fats          |      | 754.7  | 1856.3  |      |      | 433.5  | 1138.7  |      |      | 57.4 | 57.4   | 20.6 | 20.6   |      |
| 3116 Grain mill products                         |      | 1704.7   | 6573.5  |      |      | 837.8  | 2578.3  |      |      | 49.1 | 49.1   | 5.7  | 5.7  |      |
| 3117 Bakery products                             |      | 87.8   | 1072.5  |      |      | 56.2   | 433.7   |      |      | 67.8 | 67.8   | 20.4 | 20.4   |      |
| 3118 Sugar factories and refineries              |      | -  | 2.6     |      |      | -      | 0.7   |      |      | -    | -  | -    | -  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 2543.8   | 6974.0  |      |      | 554.5  | 165.6   |      |      | 21.8 | 21.8   | 22.6 | 22.6   |      |
| 3121 Other food products                         |      | 23.6   | 58.9    |      |      | 3.1    | 49.6  |      |      | 13.1 | 13.1   | 63.9 | 63.9   |      |
| 3122 Prepared animal feeds                       |      | 402.7  | 706.5   |      |      | 124.3  | 91.3  |      |      | 30.9 | 30.9   | 8.3  | 8.3  |      |
| 313 Beverages                                    |      | 4657.3   | 13649.3 |      |      | 3896.2 | 11037.8   |      |      | 83.7 | 83.7   | 8.0  | 8.0  |      |
| 3131 Distilling, rectifying and blending spirits |      | 173.5  | 826.5   |      |      | 62.4   | 466.7   |      |      | 36.0 | 36.0   | 48.9 | 48.9   |      |
| 3132 Wine industries                             |      | -  | -       |      |      | -      | -   |      |      | -    | -  | -    | -  |      |
| 3133 Malt liquors and malt                       |      | 4176.3   | 11619.2 |      |      | 3598.4 | 9753.4  |      |      | 86.2 | 86.2   | 6.7  | 6.7  |      |
| 3134 Soft drinks and carbonated waters           |      | 307.5  | 1203.2  |      |      | 235.4  | 817.7   |      |      | 76.5 | 76.5   | 16.4 | 16.4   |      |
| 314 Tobacco                                      |      | 5793.7   | 10662.2 |      |      | 5198.5 | 9634.7  |      |      | 89.7 | 89.7   | 1.6  | 1.6  |      |
| 321 Textiles                                     |      | 3246.9   | 11402.9 |      |      | 1339.9 | 5817.2  |      |      | 41.3 | 41.3   | 46.4 | 46.4   |      |
| 3211 Spinning, weaving and finishing textiles    |      | 2704.7   | 10541.7 |      |      | 1036.0 | 5477.1  |      |      | 38.3 | 38.3   | 52.5 | 52.5   |      |
| 3212 Made-up textile goods excl. wearing apparel |      | 45.4   | 302.2   |      |      | 16.9   | 81.2  |      |      | 37.3 | 37.3   | 34.1 | 34.1   |      |
| 3213 Knitting mills                              |      | 146.6  | 77.0    |      |      | 44.1   | 21.9  |      |      | 30.1 | 30.1   | 41.6 | 41.6   |      |
| 3214 Carpets and rugs                            |      | 32.1   | 111.1   |      |      | 20.8   | 41.2  |      |      | 64.8 | 64.8   | 20.5 | 20.5   |      |
| 3215 Cordage, rope and twine                     |      | 318.1  | 370.9   |      |      | 222.1  | 195.7   |      |      | 69.8 | 69.8   | 89.1 | 89.1   |      |
| 3219 Other textiles                              |      | -  | -       |      |      | -      | -   |      |      | -    | -  | -    | -  |      |
| 322 Wearing apparel, except footwear             |      | 125.9  | 361.4   |      |      | 59.6   | 130.8   |      |      | 47.3 | 47.3   | 52.9 | 52.9   |      |
| 323 Leather and fur products                     |      | 39.1   | 205.7   |      |      | 24.5   | 89.9  |      |      | 62.6 | 62.6   | 25.0 | 25.0   |      |
| 3231 Tanneries and leather finishing             |      | 22.5   | 168.1   |      |      | 3.4    | 5.8   |      |      | 15.2 | 15.2   | 92.3 | 92.3   |      |
| 3232 Fur dressing and dyeing industries          |      | -  | -       |      |      | -      | -   |      |      | -    | -  | -    | -  |      |
| 3233 Leather prods. excl. wearing apparel        |      | 16.6   | 37.6    |      |      | 11.0   | 31.5  |      |      | 66.5 | 66.5   | 26.8 | 26.8   |      |
| 324 Footwear, except rubber or plastic           |      | 58.1   | 159.1   |      |      | 30.5   | 67.4  |      |      | 52.5 | 52.5   | 40.1 | 40.1   |      |
| 331 Wood products, except furniture              |      | 4327.6   | 14230.4 |      |      | 3150.8 | 7391.8  |      |      | 72.8 | 72.8   | 14.9 | 14.9   |      |
| 3311 Sawmills, planing and other wood mills      |      | 4327.6   | 14199.7 |      |      | 3150.8 | 7374.5  |      |      | 72.8 | 72.8   | 14.9 | 14.9   |      |
| 3312 Wooden and cork containers                  |      | -  | 3.0     |      |      | -      | 1.8   |      |      | -    | -  | -    | -  |      |
| 3319 Other wood and cork products                |      | -  | 25.8    |      |      | -      | 15.5  |      |      | -    | -  | -    | -  |      |
| 332 Furniture and fixtures, excl. metal          |      | 369.8  | 2007.3  |      |      | 176.8  | 973.8   |      |      | 47.8 | 47.8   | 19.3 | 19.3   |      |
| 341 Paper and products                           |      | 314.2  | 1034.7  |      |      | 163.0  | 454.5   |      |      | 51.9 | 51.9   | 24.4 | 24.4   |      |
| 3411 Pulp, paper and paperboard articles         |      | -  | -       |      |      | -      | -   |      |      | -    | -  | -    | -  |      |
| 3412 Containers of paper and paperboard          |      | 268.4  | 842.3   |      |      | 135.0  | 348.4   |      |      | 50.3 | 50.3   | 24.8 | 24.8   |      |
| 3419 Other pulp, paper and paperboard articles   |      | 45.8   | 192.4   |      |      | 28.0   | 106.1   |      |      | 61.1 | 61.1   | 22.4 | 22.4   |      |
| 342 Printing and publishing                      |      | 596.7  | 2426.0  |      |      | 309.6  | 1351.2  |      |      | 51.9 | 51.9   | 44.9 | 44.9   |      |
| 351 Industrial chemicals                         |      | 121.9  | 1632.9  |      |      | 81.2   | 637.0   |      |      | 66.6 | 66.6   | 29.3 | 29.3   |      |
| 3511 Basic chemicals excl. fertilizers           |      | 47.7   | 268.0   |      |      | 20.9   | 179.2   |      |      | 43.8 | 43.8   | 69.5 | 69.5   |      |
| 3512 Fertilizers and pesticides                  |      | 74.2   | 438.3   |      |      | 52.3   | 164.4   |      |      | 70.6 | 70.6   | 17.7 | 17.7   |      |
| 3513 Synthetic resins and plastic materials      |      | -  | 926.7   |      |      | -      | 293.4   |      |      | -    | -  | -    | -  |      |
| 352 Other chemicals                              |      | 3622.0   | 9811.2  |      |      | 1954.8 | 3487.4  |      |      | 54.0 | 54.0   | 8.6  | 8.6  |      |
| 3521 Paints, varnishes and lacquers              |      | 177.6  | 520.9   |      |      | 105.0  | 230.9   |      |      | 59.1 | 59.1   | 8.4  | 8.4  |      |
| 3522 Drugs and medicines                         |      | 725.6  | 3088.2  |      |      | 537.9  | 1412.0  |      |      | 74.1 | 74.1   | 9.6  | 9.6  |      |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      | 2607.4   | 5846.0  |      |      | 1232.6 | 1565.9  |      |      | 47.3 | 47.3   | 6.8  | 6.8  |      |
| 3529 Other chemical products                     |      | 111.5  | 356.1   |      |      | 79.3   | 278.8   |      |      | 71.2 | 71.2   | 30.3 | 30.3   |      |
| 353 Petroleum refineries                         |      | 13700.3  | 26676.4 |      |      | 2613.9 | 6043.9  |      |      | 19.1 | 19.1   | 5.8  | 5.8  |      |

|  |         |          |         |         |      |      |   |
|--|---------|----------|---------|---------|------|------|---|
| 354 Misc petroleum and coal products               | -       | -        | -       | -       | -    | -    | - |
| 355 Rubber products                                | 348 6   | 846 6    | 165 8   | 547 0   | 47 6 | 28 3 |   |
| 3551 Tyres and tubes                               | 178 0   | 626 2    | 70 2    | 428 4   | 39 5 | 55 8 |   |
| 3559 Other rubber products                         | 170 6   | 220 4    | 95 5    | 118 6   | 56 0 | 18 5 |   |
| 356 Plastic products                               | 341 3   | 595 9    | 144 2   | 355 8   | 42 2 | 19 1 |   |
| 361 Pottery, china, earthenware                    | 34 4    | 24 7     | 19 0    | 14 3    | 55 2 | 35 0 |   |
| 362 Glass and products                             | 155 7   | 204 2    | 78 2    | 99 5    | 50 2 | 47 2 |   |
| 369 Other non-metallic mineral products            | 2556 8  | 5438 5   | 1219 5  | 2600 1  | 47 7 | 14 7 |   |
| 3691 Structural clay products                      | 21 0    | 107 9    | 11 4    | 49 5    | 54 3 | -    |   |
| 3692 Cement, lime and plaster                      | 1898 5  | 3552 3   | 927 6   | 1497 9  | 48 9 | 1 2  |   |
| 3699 Other non-metallic mineral products           | 637 2   | 1778 3   | 377 5   | 1052 7  | 59 2 | 17 2 |   |
| 371 Iron and steel                                 | 102 7   | 794 9    | 49 2    | 374 0   | 48 0 | 47 1 |   |
| 372 Non-ferrous metals                             | 2786 1  | 3357 0   | 1244 8  | 13435 0 | 44 7 | 22 6 |   |
| 381 Fabricated metal products                      | 1626 8  | 4494 7   | 628 4   | 2155 8  | 38 6 | 20 5 |   |
| 3811 Cutlery, hand tools and general hardware      | 551 4   | 1386 4   | 206 3   | 923 9   | 37 4 | 17 7 |   |
| 3812 Furniture and fixtures primarily of metal     | 74 2    | 210 0    | 25 1    | 110 5   | 33 8 | 51 4 |   |
| 3813 Structural metal products                     | 404 6   | 274 8    | 181 4   | 142 1   | 44 8 | 18 8 |   |
| 3813 Other fabricated metal products               | 596 6   | 2623 5   | 205 6   | 979 3   | 34 5 | 22 1 |   |
| 382 Non-electrical machinery                       | 5 1     | 394 4    | 3 8     | 209 9   | 73 5 | 35 6 |   |
| 3821 Engines and turbines                          | -       | -        | -       | -       | -    | -    |   |
| 3822 Agricultural machinery and equipment          | 5 1     | 176 5    | 2 8     | 103 2   | 53 9 | 48 4 |   |
| 3823 Metal and wood working machinery              | -       | 23 1     | -       | 14 9    | -    | -    |   |
| 3824 Other special industrial machinery            | -       | 193 0    | -       | 90 6    | -    | -    |   |
| 3825 Office, computing and accounting machinery    | -       | -        | -       | -       | -    | -    |   |
| 3829 Other non-electrical machinery & equipment    | -       | 1 9      | -       | 1 2     | -    | -    |   |
| 383 Electrical machinery                           | 511 0   | 1285 3   | 266 4   | 594 9   | 52 1 | 14 4 |   |
| 3831 Electrical industrial machinery               | -       | -        | -       | -       | -    | -    |   |
| 3832 Radio, television and communication equipment | 101 0   | 327 2    | 42 3    | 90 6    | 41 9 | 33 8 |   |
| 3833 Electrical appliances and housewares          | 38 3    | 174 4    | 22 2    | 72 5    | 57 9 | 5 9  |   |
| 3839 Other electrical apparatus and supplies       | 371 7   | 786 7    | 211 9   | 431 8   | 57 0 | 7 4  |   |
| 384 Transport equipment                            | 391 7   | 861 8    | 144 8   | 387 4   | 37 0 | 31 0 |   |
| 3841 Shipbuilding and repairing                    | 65 8    | 73 7     | 17 4    | 20 1    | 26 4 | 49 4 |   |
| 3842 Railroad equipment                            | -       | -        | -       | -       | -    | -    |   |
| 3843 Motor vehicles                                | 187 9   | 643 5    | 88 2    | 274 3   | 46 9 | 32 6 |   |
| 3844 Motorcycles and bicycles                      | 138 0   | 1446 1   | 99 2    | 930 5   | 71 9 | 7 5  |   |
| 3845 Aircraft                                      | -       | -        | -       | -       | -    | -    |   |
| 3849 Other transport equipment                     | -       | -        | -       | -       | -    | -    |   |
| 385 Professional and scientific equipment          | 183 0   | 212 7    | 89 9    | 97 7    | 49 1 | 15 1 |   |
| 3851 Prof and scientific equipment n e c           | 178 2   | 210 5    | 87 4    | 91 8    | 49 0 | 6 6  |   |
| 3852 Photographic and optical goods                | 4 8     | 8 2      | 3 5     | 5 9     | 73 7 | 9 2  |   |
| 3853 Watches and clocks                            | -       | -        | -       | -       | -    | -    |   |
| 390 Other manufacturing industries                 | 32 6    | 199 2    | 19 2    | 84 4    | 58 9 | 22 4 |   |
| 3901 Jewellery and related articles                | 16 0    | 21 6     | 3 1     | 6 0     | 19 5 | 16 3 |   |
| 3902 Musical instruments                           | -       | 0 8      | -       | 0 2     | -    | -    |   |
| 3903 Sporting and athletic goods                   | -       | -        | -       | -       | -    | -    |   |
| 3909 Manufacturing industries, n e c               | 16 6    | 169 4    | 11 1    | 76 0    | 56 7 | 30 6 |   |
| 3 Total manufacturing                              | 53028 0 | 166209 5 | 25771 6 | 75027 5 | 48 6 | 12 9 |   |

## Ghana

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |      | Note | Index numbers of industrial production |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|------|------|--|------|------|------|------|------|------|
|   |      | (million CEDIS)               |      |      |      |      | (1980=100)                             |      |      |      |      |      |      |
|   |      | 1985                          | 1987 | 1988 | 1989 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 |
| 311/2 Food Products                       |      |                               |      |      |      | 42   | 60                                     | 58   | 72   | 77   | 69   | 82   |      |
| 313 Beverages                             |      |                               |      |      |      | 101  | 99                                     | 126  | 140  | 147  | 146  | 140  |      |
| 314 Tobacco                               |      |                               |      |      |      | 95   | 91                                     | 86   | 82   | 87   | 76   | 85   |      |
| 321 Textiles                              |      |                               |      |      |      | 43   | 52                                     | 52   | 71   | 78   | 65   | 102  |      |
| 322 Wearing apparel, except footwear      |      |                               |      |      |      |      |  |      |      |      |      |      |      |
| 323 Leather and fur products              | a/   |                               |      |      |      | 5    | 4                                      | 4    | 2    | 2    | 2    | 1    |      |
| 324 Footwear, except rubber or plastic    | a/   |                               |      |      |      |      |  |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      |                               |      |      |      | 116  | 145                                    | 153  | 153  | 189  | 154  | 143  |      |
| 332 Furniture and fixtures, excl metal    |      |                               |      |      |      |      |  |      |      |      |      |      |      |
| 341 Paper and products                    |      |                               |      |      |      | 50   | 26                                     | 43   | 54   | 63   | 95   | 106  |      |
| 342 Printing and publishing               |      |                               |      |      |      | 98   | 93                                     | 97   | 78   | 66   | 62   | 71   |      |
| 351 Industrial chemicals                  | b/   |                               |      |      |      | 116  | 92                                     | 110  | 150  | 194  | 179  | 166  |      |
| 352 Other chemicals                       | b/   |                               |      |      |      |      |  |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      |                               |      |      |      | 72   | 92                                     | 87   | 71   | 77   | 99   | 80   |      |
| 354 Misc petroleum and coal products      |      |                               |      |      |      |      |  |      |      |      |      |      |      |
| 355 Rubber products                       | b/   |                               |      |      |      |      |  |      |      |      |      |      |      |
| 356 Plastic products                      |      |                               |      |      |      |      |  |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           | c/   |                               |      |      |      | 81   | 122                                    | 91   | 95   | 141  | 192  | 225  |      |
| 362 Glass and products                    | c/   |                               |      |      |      |      |  |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   | c/   |                               |      |      |      |      |  |      |      |      |      |      |      |
| 371 Iron and steel                        |      |                               |      |      |      | 36   | 63                                     | 53   | 58   | 25   | 16   | 7    |      |
| 372 Non-ferrous metals                    |      |                               |      |      |      | 24   | 25                                     | 65   | 81   | 87   | 90   | 93   |      |
| 381 Fabricated metal products             |      |                               |      |      |      | 31   | 105                                    | 167  | 157  | 140  | 145  | 157  |      |
| 382 Non-electrical machinery              |      |                               |      |      |      |      |  |      |      |      |      |      |      |
| 383 Electrical machinery                  |      |                               |      |      |      | 73   | 109                                    | 195  | 121  | 180  | 53   | 98   |      |
| 384 Transport equipment                   |      |                               |      |      |      |      |  |      |      |      |      |      |      |
| 385 Professional and scientific equipment |      |                               |      |      |      |      |  |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      |                               |      |      |      |      |  |      |      |      |      |      |      |
| 3 Total manufacturing                     |      |                               |      |      |      |      |  |      |      |      |      |      |      |

a/ 323 includes 324  
c/ 361 includes 362 and 369

b/ 351 includes 352 and 355



## GREECE

**Supplier of information:**

National Statistical Service of Greece, Athens.

Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

**Basic source of data:**

Annual industrial survey.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

Manufacturing establishments with 10 or more persons engaged, excluding government establishments.

**Method of enumeration:**

Complete enumeration of establishments with 20 or more persons engaged and a stratified random sample of establishments with 10 to 19 persons.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of persons engaged relates to national averages based on enumerations in every other month in the year. Unpaid family workers are included if they work three hours a day or more.

Wages and salaries paid to employees covers wages, salaries, payments for overtime work and regular leave, bonuses, allowances, dismissal compensation and the value of receipts in kind.

Output comprises the value of finished goods produced, receipts from contract work done for others, receipts from repair work, receipts from the sale of goods sold in the same condition as purchased, sales of self-produced steam, electric energy, processing waste, and subsidies and reimbursements for re-export of products. Value is at ex-factory selling price, excluding indirect taxes.

Value added is the value of the output less the cost of materials and supplies, purchased fuels and electricity consumed, the purchase value of goods sold in the same condition as purchased, and payments for contract and repair work.

Gross fixed capital formation represents current expenditure on new and used fixed assets less sales and write-offs due to obsolescence. Own-account construction of fixed assets is included.

**Related national publications:**

Annual Industrial Survey; Statistical Yearbook; Monthly Statistical Bulletin, all published by the National Statistical Service of Greece, Athens.

## Greece

| ISIC industry                                    | Note | Number of establishments<br>(numbers) |       |      |      | Note | Number of persons engaged<br>(numbers) |         |       |       | Note | Wages and salaries paid to employees<br>(million DRACHMAS) |         |       |        |
|--|------|---------------------------------------|-------|------|------|------|--|---------|-------|-------|------|--|---------|-------|--------|
|  |      | 1985                                  | 1990  | 1991 | 1992 |      | 1985                                   | 1990    | 1991  | 1992  |      | 1985   | 1990    | 1991  | 1992   |
| 311/2 Food Products                              |      | 1175                                  | 1145  | 1140 | 1146 |      | 48440                                  | 49618   | 47861 | 48925 |      | 35180  | 83124   | 96286 | 111762 |
| 3111 Slaughtering, preparing & preserving meat   |      | 131                                   | 122   |      |      |      | 3558                                   | 4228    |       |       |      | 2567   | 6827    |       |        |
| 3112 Dairy products                              |      | 80                                    | 74    |      |      |      | 4953                                   | 6301    |       |       |      | 4470   | 12347   |       |        |
| 3113 Canning, preserving of fruits & vegetables  |      | 314a/                                 | 314a/ |      |      |      | 16772a/                                | 14612a/ |       |       |      | 9768a/   | 19634a/ |       |        |
| 3114 Canning, preserving and processing of fish  |      | a/                                    | a/    |      |      |      | a/                                     | a/      |       |       |      | a/   | a/      |       |        |
| 3115 Vegetable and animal oils and fats          |      | 87                                    | 73    |      |      |      | 2403                                   | 2828    |       |       |      | 2510   | 6187    |       |        |
| 3116 Grain mill products                         |      | 114                                   | 98    |      |      |      | 2992                                   | 2601    |       |       |      | 2695   | 4920    |       |        |
| 3117 Bakery products                             |      | 248                                   | 238   |      |      |      | 5092                                   | 5636    |       |       |      | 2954   | 7559    |       |        |
| 3118 Sugar factories and refineries              |      | 6                                     | 6     |      |      |      | 2943                                   | 2603    |       |       |      | 2333   | 5144    |       |        |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 66                                    | 74    |      |      |      | 3010                                   | 3170    |       |       |      | 2152   | 5684    |       |        |
| 3121 Other food products                         |      | 129b/                                 | 146b/ |      |      |      | 6717b/                                 | 7639b/  |       |       |      | 5832b/   | 14822b/ |       |        |
| 3122 Prepared animal feeds                       |      | b/                                    | b/    |      |      |      | b/                                     | b/      |       |       |      | b/   | b/      |       |        |
| 313 Beverages                                    |      | 199                                   | 189   | 187  | 186  |      | 11380                                  | 10321   | 10050 | 9690  |      | 10853  | 23130   | 26440 | 32912  |
| 3131 Distilling, rectifying and blending spirits |      | 53                                    | 47    |      |      |      | 1880                                   | 1633    |       |       |      | 1529   | 2878    |       |        |
| 3132 Wine industries                             |      | 62                                    | 58    |      |      |      | 2467                                   | 2667    |       |       |      | 2082   | 5416    |       |        |
| 3133 Malt liquors and malt                       |      | 12                                    | 10    |      |      |      | 3052                                   | 2292    |       |       |      | 3717   | 7400    |       |        |
| 3134 Soft drinks and carbonated waters           |      | 72                                    | 74    |      |      |      | 3978                                   | 3731    |       |       |      | 3524   | 7437    |       |        |
| 314 Tobacco                                      |      | 74                                    | 81    | 67   | 64   |      | 8560                                   | 9301    | 9481  | 9567  |      | 6755   | 16993   | 19523 | 22470  |
| 321 Textiles                                     |      | 987                                   | 847   | 830  | 837  |      | 59140                                  | 50162   | 44879 | 41395 |      | 44762  | 83812   | 87877 | 89635  |
| 3211 Spinning, weaving and finishing textiles    |      | 501                                   | 404   | 430  | 430  |      | 37845                                  | 28969   | 26597 | 23250 |      | 31027  | 53836   | 67870 | 55454  |
| 3212 Made-up textile goods excl. wearing apparel |      | 53                                    | 63    |      |      |      | 994                                    | 1890    |       |       |      | 592  | 2636    |       |        |
| 3213 Knitting mills                              |      | 359                                   | 299   |      |      |      | 15861                                  | 15608   |       |       |      | 9930   | 21924   |       |        |
| 3214 Carpets and rugs                            |      | -                                     | -     |      |      |      | -                                      | -       |       |       |      | -  | -       |       |        |
| 3215 Cordage, rope and twine                     |      | -                                     | -     |      |      |      | -                                      | -       |       |       |      | -  | -       |       |        |
| 3219 Other textiles                              |      | 74                                    | 81    |      |      |      | 4438                                   | 3696    |       |       |      | 3212   | 5517    |       |        |
| 322 Wearing apparel, except footwear             |      | 1042                                  | 1180  | 1155 | 1168 |      | 33830                                  | 39713   | 37447 | 35811 |      | 17378  | 46216   | 50217 | 54168  |
| 323 Leather and fur products                     |      | 276                                   | 284   | 287  | 288  |      | 4350                                   | 3379    | 3622  | 3138  |      | 2487   | 3642    | 4339  | 4566   |
| 3231 Tanneries and leather finishing             |      | 35                                    | 32    |      |      |      | 1301                                   | 726     |       |       |      | 1169   | 1419    |       |        |
| 3232 Fur dressing and dyeing industries          |      | 176                                   | 183   |      |      |      | 2104                                   | 1605    |       |       |      | 904  | 1200    |       |        |
| 3233 Leather goods excl. wearing apparel         |      | 65                                    | 69    |      |      |      | 946                                    | 1047    |       |       |      | 414  | 1022    |       |        |
| 324 Footwear, except rubber or plastic           |      | 312                                   | 297   | 292  | 299  |      | 8130                                   | 6526    | 5823  | 6002  |      | 4963   | 7794    | 8060  | 9290   |
| 331 Wood products, except furniture              |      | 299                                   | 248   | 247  | 247  |      | 7140                                   | 7413    | 7054  | 6920  |      | 6025   | 11705   | 13592 | 15012  |
| 3311 Sawmills, planing and other wood mills      |      | 188                                   | 156   |      |      |      | 5764                                   | 6062    |       |       |      | 4443   | 10397   |       |        |
| 3312 Wooden and cane containers                  |      | 60                                    | 45    |      |      |      | 730                                    | 689     |       |       |      | 280  | 629     |       |        |
| 3319 Other wood and cork products                |      | 51                                    | 47    |      |      |      | 647                                    | 662     |       |       |      | 302  | 679     |       |        |
| 332 Furniture and fixtures, excl. metal          |      | 337                                   | 414   | 410  | 415  |      | 5090                                   | 6331    | 6143  | 6219  |      | 2589   | 7129    | 8253  | 9505   |
| 341 Paper and products                           |      | 133                                   | 149   | 146  | 150  |      | 8490                                   | 9141    | 8220  | 7889  |      | 7831   | 17669   | 19999 | 21764  |
| 3411 Pulp, paper and paperboard articles         |      | 32                                    | 36    | 35   | 33   |      | 4518                                   | 4468    | 3824  | 3039  |      | 4695   | 9304    | 10348 | 9685   |
| 3412 Containers of paper and paperboard          | c/   | 101                                   | 113   | 111  | 117  | c/   | 3968                                   | 4672    | 4396  | 4850  | c/   | 3236   | 8266    | 9651  | 12079  |
| 3419 Other pulp, paper and paperboard articles   | c/   |                                       |       |      |      | c/   |  |         |       |       | c/   |  |         |       |        |
| 342 Printing and publishing                      |      | 272                                   | 252   | 251  | 257  |      | 9570                                   | 10109   | 10110 | 10417 |      | 8192   | 19560   | 23393 | 28138  |
| 351 Industrial chemicals                         |      | 61                                    | 58    | 58   | 57   |      | 7590                                   | 6399    | 5881  | 4341  |      | 11091  | 20866   | 22814 | 21256  |
| 3511 Basic chemicals excl. fertilizers           |      | 31                                    | 31    | 30   | 28   |      | 1571                                   | 1642    | 1121  | 1014  |      | 2187   | 4943    | 3732  | 3691   |
| 3512 Fertilizers and pesticides                  |      | 10                                    | 14    | 15   | 14   |      | 4875                                   | 4053    | 3733  | 2832  |      | 7841   | 13949   | 15470 | 13186  |
| 3513 Synthetic resins and plastic materials      |      | 20                                    | 13    | 13   | 15   |      | 1146                                   | 705     | 1027  | 1096  |      | 1063   | 1973    | 3612  | 4379   |
| 352 Other chemicals                              |      | 258                                   | 276   | 281  | 284  |      | 14470                                  | 16100   | 16275 | 15812 |      | 13249  | 34069   | 42374 | 47843  |
| 3521 Paints, varnishes and lacquers              |      | 40                                    | 48    |      |      |      | 1522                                   | 1755    |       |       |      | 1312   | 3263    |       |        |
| 3522 Drugs and medicines                         |      | 91                                    | 94    | 96   | 102  |      | 6315                                   | 6950    | 7057  | 7037  |      | 5886   | 14494   | 18134 | 21514  |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 71                                    | 80    |      |      |      | 4963                                   | 5100    |       |       |      | 4734   | 11574   |       |        |
| 3529 Other chemical products                     |      | 56                                    | 54    |      |      |      | 1672                                   | 2296    |       |       |      | 1318   | 4747    |       |        |
| 353 Petroleum refineries                         |      | 13                                    | 17    | 17   | 17   |      | 3400                                   | 4633    | 4111  | 4108  |      | 4742   | 13431   | 14867 | 17276  |

|  |      |      |      |      |        |        |        |        |        |         |        |        |
|--|------|------|------|------|--------|--------|--------|--------|--------|---------|--------|--------|
| 354 Misc petroleum and coal products               | 39   | 43   | 43   | 44   | 1180   | 1113   | 1030   | 992    | 1450   | 2712    | 3096   | 3489   |
| 355 Rubber products                                | 48   | 45   | 44   | 40   | 2610   | 2384   | 1959   | 1524   | 2667   | 6733    | 5316   | 4493   |
| 3551 Tyres and tubes                               |      |      |      |      |        |        |        |        |        |         |        |        |
| 3559 Other rubber products                         |      |      |      |      |        |        |        |        |        |         |        |        |
| 356 Plastic products                               | 272  | 289  | 290  | 299  | 9380   | 9654   | 9299   | 9660   | 7040   | 18243   | 18737  | 21861  |
| 361 Pottery, china, earthenware                    | 69   | 69   | 66   | 66   | 3660   | 3090   | 2744   | 2539   | 3253   | 6910    | 6061   | 6486   |
| 362 Glass and products                             | 35   | 36   | 36   | 36   | 1590   | 1894   | 1648   | 1330   | 1560   | 4084    | 3846   | 3029   |
| 369 Other non-metallic mineral products            | 540  | 533  | 537  | 544  | 18520  | 18722  | 18047  | 17605  | 16830  | 39436   | 46602  | 51355  |
| 3691 Structural clay products                      | 151  | 116  |      |      | 4883   | 3513   |        |        | 3424   | 5981    |        |        |
| 3692 Cement, lime and plaster                      | 184  | 234  |      |      | 9907   | 10670  |        |        | 10893  | 26690   |        |        |
| 3699 Other non-metallic mineral products           | 205  | 183  |      |      | 3728   | 4538   |        |        | 2512   | 6767    |        |        |
| 371 Iron and steel                                 | 51   | 64   | 63   | 64   | 6670   | 5667   | 5413   | 4750   | 7655   | 16597   | 17485  | 18096  |
| 372 Non-ferrous metals                             | 34   | 44   | 44   | 46   | 6330   | 5703   | 6456   | 5470   | 9313   | 20269   | 22162  | 24870  |
| 381 Fabricated metal products                      | 611  | 535  | 528  | 544  | 22010  | 20325  | 18097  | 18073  | 18220  | 36617   | 38099  | 42798  |
| 3811 Cutlery, hand tools and general hardware      | 89   | 70   |      |      | 1754   | 1426   |        |        | 1070   | 1957    |        |        |
| 3812 Furniture and fixtures primarily of metal     | 70   | 54   |      |      | 1580   | 1619   |        |        | 1047   | 2406    |        |        |
| 3813 Structural metal products                     | 182  | 150  |      |      | 4660   | 3510   |        |        | 4349   | 5321    |        |        |
| 3819 Other fabricated metal products               | 270  | 261  |      |      | 14013  | 13776  |        |        | 11753  | 26934   |        |        |
| 382 Non-electrical machinery                       | 415  | 404  | 400  | 397  | 8060   | 8759   | 7902   | 7265   | 5640   | 14232   | 15384  | 15560  |
| 3821 Engines and turbines                          | 24   | 28   |      |      | 402    | 996    |        |        | 259    | 1716    |        |        |
| 3822 Agricultural machinery and equipment          | 70   | 67   |      |      | 1319   | 960    |        |        | 874    | 1300    |        |        |
| 3823 Metal and wood working machinery              | 22   | 10   |      |      | 243    | 144    |        |        | 143    | 170     |        |        |
| 3824 Other special industrial machinery            | 65   | 53   |      |      | 880    | 1219   |        |        | 547    | 2089    |        |        |
| 3825 Office, computing and accounting machinery    | 6    | 6    | 7    | 7    | 126    | 87     | 116    | 114    | 93     | 148     | 263    | 273    |
| 3829 Other non-electrical machinery & equipment    | 228  | 240  |      |      | 5087   | 5354   |        |        | 3725   | 6609    |        |        |
| 383 Electrical machinery                           | 314  | 297  | 291  | 289  | 15500  | 13995  | 13026  | 12651  | 13378  | 27143   | 31151  | 34118  |
| 3831 Electrical industrial machinery               | 47   | 41   |      |      | 3634   | 2881   |        |        | 3219   | 6599    |        |        |
| 3832 Radio, television and communication equipment | 42   | 46   | 45   | 43   | 2564   | 2776   | 3195   | 2977   | 2385   | 5616    | 8162   | 8225   |
| 3833 Electrical appliances and housewares          | -    | -    |      |      | -      | -      |        |        | -      | -       |        |        |
| 3839 Other electrical apparatus and supplies       | 225  | 210  |      |      | 9307   | 8341   |        |        | 7774   | 14928   |        |        |
| 384 Transport equipment                            | 258  | 215  | 210  | 212  | 23480  | 22492  | 22237  | 21796  | 24503  | 66891   | 68636  | 73340  |
| 3841 Shipbuilding and repairing                    | 164  | 131  | 127  | 129  | 11484  | 11620  | 11533  | 11263  | 11801  | 30476   | 36478  | 39404  |
| 3842 Railroad equipment                            | 15   | 12   |      |      | 3434   | 2489   |        |        | 2755   | 8095    |        |        |
| 3843 Motor vehicles                                | 72   | 57   | 56   | 57   | 3466   | 2999   | 2762   | 2838   | 3224   | 5450    | 6200   | 7503   |
| 3844 Motorcycles and bicycles                      | 7a/  | 17a/ |      |      | 5001d/ | 5402d/ |        |        | 7023d/ | 16663d/ |        |        |
| 3845 Aircraft                                      | d/   | d/   |      |      | d/     | d/     |        |        | d/     | d/      |        |        |
| 3849 Other transport equipment                     | d/   | d/   |      |      | d/     | d/     |        |        | d/     | d/      |        |        |
| 385 Professional and scientific equipment          | 24   | 20   | 19   | 19   | 760    | 766    | 804    | 769    | 489    | 1300    | 1506   | 1608   |
| 3851 Prof and scientific equipment n e c           | 12   | 10   |      |      | 569    | 633    |        |        | 384    | 1136    |        |        |
| 3852 Photographic and optical goods                | 12   | 10   |      |      | 200    | 133    |        |        | 106    | 164     |        |        |
| 3853 Watches and clocks                            | -    | -    |      |      | -      | -      |        |        | -      | -       |        |        |
| 390 Other manufacturing industries                 | 125  | 132  | 126  | 126  | 2920   | 2574   | 2284   | 2191   | 1781   | 3274    | 3689   | 3887   |
| 3901 Jewellery and related articles                | 39   | 45   |      |      | 499    | 868    |        |        | 244    | 1088    |        |        |
| 3902 Musical instruments                           | 6    | 7    |      |      | 476    | 228    |        |        | 354    | 367     |        |        |
| 3903 Sporting and athletic goods                   | 26   | 32   |      |      | 1049   | 694    |        |        | 704    | 888     |        |        |
| 3909 Manufacturing industries, n e c               | 54   | 48   |      |      | 891    | 787    |        |        | 479    | 931     |        |        |
| 3 Total manufacturing                              | 8273 | 8165 | 8065 | 8141 | 352250 | 346284 | 326903 | 317439 | 285976 | 638282  | 719603 | 790629 |

a/ 3113 includes 3114  
c/ 3412 includes 3419

b/ 3121 includes 3122  
d/ 3844 includes 3845 and 3849.

## Greece

| ISIC Industry                                    | Note | Output in factor values |          |         |         | Note | Value added in factor values |         |        |        | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-------------------------|----------|---------|---------|------|------------------------------|---------|--------|--------|--------------------------------|------|--|------|
|  |      | (million DRACHMAS)      |          |         |         |      | (million DRACHMAS)           |         |        |        | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                    | 1990     | 1991    | 1992    |      | 1985                         | 1990    | 1991   | 1992   | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                              |      | 387600                  | 884390   | 1018262 | 1174680 |      | 87130                        | 213904  | 273643 | 345604 | 22.5                           | 29.4 | 40.4                                       | 32.3 |
| 3111 Slaughtering, preparing & preserving meat   |      | 24428                   | 65312    | ..      | ..      |      | 4890                         | 15412   | ..     | ..     | 20.0                           | ..   | 52.5                                       | ..   |
| 3112 Dairy products                              |      | 47095                   | 136291   | ..      | ..      |      | 10660                        | 34640   | ..     | ..     | 22.2                           | ..   | 42.1                                       | ..   |
| 3113 Canning, preserving of fruits & vegetables  |      | 123255a/                | 229495a/ | ..      | ..      |      | 27804a/                      | 45826a/ | ..     | ..     | 22.4                           | ..   | 36.4                                       | ..   |
| 3114 Canning, preserving and processing of fish  | a/   | ..                      | ..       | ..      | ..      |      | ..                           | ..      | ..     | ..     | ..                             | ..   | ..   | ..   |
| 3115 Vegetable and animal oils and fats          |      | 39018                   | 89035    | ..      | ..      |      | 6853                         | 14644   | ..     | ..     | 17.6                           | ..   | 36.6                                       | ..   |
| 3116 Grain mill products                         |      | 52584                   | 94744    | ..      | ..      |      | 8777                         | 15010   | ..     | ..     | 12.9                           | ..   | 38.3                                       | ..   |
| 3117 Bakery products                             |      | 14977                   | 44208    | ..      | ..      |      | 5396                         | 17072   | ..     | ..     | 36.0                           | ..   | 54.7                                       | ..   |
| 3118 Sugar factories and refineries              |      | 21520                   | 50101    | ..      | ..      |      | 6123                         | 9035    | ..     | ..     | 28.6                           | ..   | 38.1                                       | ..   |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 18206                   | 53105    | ..      | ..      |      | 5499                         | 18288   | ..     | ..     | 30.2                           | ..   | 39.1                                       | ..   |
| 3121 Other food products                         |      | 46554b/                 | 122099b/ | ..      | ..      |      | 13371b/                      | 42477b/ | ..     | ..     | 28.7                           | ..   | 43.6                                       | ..   |
| 3122 Prepared animal feeds                       | b/   | ..                      | ..       | ..      | ..      |      | ..                           | ..      | ..     | ..     | ..                             | ..   | ..   | ..   |
| 313 Beverages                                    |      | 83200                   | 200573   | 234540  | 287222  |      | 30000                        | 75158   | 93254  | 120060 | 36.1                           | 41.8 | 36.2                                       | 27.4 |
| 3131 Distilling, rectifying and blending spirits |      | 14384                   | 24055    | ..      | ..      |      | 5618                         | 8869    | ..     | ..     | 39.1                           | ..   | 27.2                                       | ..   |
| 3132 Wine industries                             |      | 22493                   | 47883    | ..      | ..      |      | 6547                         | 17423   | ..     | ..     | 29.1                           | ..   | 31.8                                       | ..   |
| 3133 Malt liquors and malt                       |      | 22726                   | 48001    | ..      | ..      |      | 9271                         | 23175   | ..     | ..     | 40.0                           | ..   | 40.1                                       | ..   |
| 3134 Soft drinks and carbonated waters           |      | 23576                   | 80633    | ..      | ..      |      | 6559                         | 25692   | ..     | ..     | 36.3                           | ..   | 41.2                                       | ..   |
| 314 Tobacco                                      |      | 70900                   | 173521   | 214846  | 193843  |      | 15790                        | 44383   | 48414  | 72312  | 22.3                           | 37.3 | 42.8                                       | 31.1 |
| 321 Textiles                                     |      | 284800                  | 502989   | 542972  | 531830  |      | 106200                       | 175723  | 187805 | 206729 | 36.9                           | 38.9 | 42.5                                       | 43.4 |
| 3211 Spinning, weaving and finishing textiles    |      | 203076                  | 331174   | 369928  | 324912  |      | 70632                        | 107548  | 118751 | 125451 | 34.8                           | 38.2 | 43.9                                       | 44.2 |
| 3212 Made-up textile goods excl wearing apparel  |      | 4862                    | 19502    | ..      | ..      |      | 1655                         | 5575    | ..     | ..     | 34.3                           | ..   | 35.6                                       | ..   |
| 3213 Knitting mills                              |      | 56374                   | 119688   | ..      | ..      |      | 24892                        | 47830   | ..     | ..     | 44.2                           | ..   | 39.9                                       | ..   |
| 3214 Carpets and rugs                            |      | ..                      | ..       | ..      | ..      |      | ..                           | ..      | ..     | ..     | ..                             | ..   | ..   | ..   |
| 3215 Cordage, rope and twine                     |      | ..                      | ..       | ..      | ..      |      | ..                           | ..      | ..     | ..     | ..                             | ..   | ..   | ..   |
| 3219 Other textiles                              |      | 20515                   | 32624    | ..      | ..      |      | 8012                         | 13770   | ..     | ..     | 39.1                           | ..   | 40.1                                       | ..   |
| 322 Wearing apparel, except footwear             |      | 69800                   | 190665   | 204776  | 238701  |      | 32400                        | 87501   | 95372  | 107814 | 46.4                           | 45.2 | 53.6                                       | 50.2 |
| 323 Leather and fur products                     |      | 16800                   | 32813    | 36551   | 40952   |      | 5300                         | 10731   | 12612  | 14478  | 31.5                           | 35.4 | 45.9                                       | 31.5 |
| 3231 Tanneries and leather finishing             |      | 10864                   | 14947    | ..      | ..      |      | 2674                         | 4009    | ..     | ..     | 24.5                           | ..   | 43.7                                       | ..   |
| 3232 Fur dressing and dyeing industries          |      | 3944                    | 11767    | ..      | ..      |      | 1834                         | 4463    | ..     | ..     | 46.5                           | ..   | 49.3                                       | ..   |
| 3233 Leather prods excl wearing apparel          |      | 1962                    | 6100     | ..      | ..      |      | 795                          | 2259    | ..     | ..     | 40.5                           | ..   | 62.1                                       | ..   |
| 324 Footwear, except rubber or plastic           |      | 21300                   | 42512    | 41702   | 52066   |      | 8410                         | 15812   | 16228  | 19928  | 39.5                           | 38.3 | 59.0                                       | 46.6 |
| 331 Wood products, except furniture              |      | 29300                   | 79228    | 92883   | 101887  |      | 9000                         | 27845   | 33638  | 37170  | 30.7                           | 36.5 | 55.8                                       | 40.4 |
| 3311 Sawmills, planing and other wood mills      |      | 27545                   | 71899    | ..      | ..      |      | 9211                         | 26027   | ..     | ..     | 33.4                           | ..   | 48.2                                       | ..   |
| 3312 Wooden and cane containers                  |      | 2138                    | 4321     | ..      | ..      |      | 814                          | 1442    | ..     | ..     | 38.1                           | ..   | 34.4                                       | ..   |
| 3319 Other wood and cork products                |      | 1159                    | 3007     | ..      | ..      |      | 520                          | 1376    | ..     | ..     | 44.9                           | ..   | 68.1                                       | ..   |
| 332 Furniture and fixtures, excl metal           |      | 10500                   | 33256    | 36941   | 43945   |      | 4740                         | 14750   | 16739  | 19631  | 45.1                           | 44.7 | 54.6                                       | 48.4 |
| 341 Paper and products                           |      | 52100                   | 114714   | 128288  | 145359  |      | 13040                        | 43098   | 51120  | 60905  | 25.0                           | 41.9 | 50.1                                       | 35.7 |
| 3411 Pulp, paper and paperboard articles         |      | 24854                   | 50484    | 55231   | 54482   |      | 4484                         | 20052   | 22458  | 23450  | 18.0                           | 43.0 | 37.7                                       | 41.3 |
| 3412 Containers of paper and paperboard          |      | 27213                   | 64231    | 73057   | 90877   |      | 8576                         | 23046   | 28662  | 37455  | 31.5                           | 41.2 | 37.7                                       | 32.2 |
| 3419 Other pulp, paper and paperboard articles   | c/   | ..                      | ..       | ..      | ..      |      | ..                           | ..      | ..     | ..     | ..                             | ..   | ..   | ..   |
| 342 Printing and publishing                      |      | 31300                   | 88413    | 96559   | 117174  |      | 13890                        | 45845   | 49805  | 64167  | 43.7                           | 54.8 | 59.8                                       | 43.9 |
| 351 Industrial chemicals                         |      | 93800                   | 134009   | 127770  | 116903  |      | 26570                        | 45967   | 44543  | 44085  | 28.3                           | 37.7 | 41.7                                       | 48.2 |
| 3511 Basic chemicals excl fertilizers            |      | 23865                   | 38403    | 19622   | 23206   |      | 8230                         | 12943   | 8924   | 10515  | 34.5                           | 45.3 | 26.6                                       | 35.1 |
| 3512 Fertilizers and pesticides                  |      | 55564                   | 70943    | 68766   | 53866   |      | 15897                        | 26115   | 24407  | 23392  | 28.5                           | 43.4 | 49.3                                       | 55.4 |
| 3513 Synthetic resins and plastic materials      |      | 14349                   | 24663    | 39382   | 39833   |      | 2440                         | 6909    | 11212  | 10178  | 17.0                           | 25.6 | 43.6                                       | 43.0 |
| 352 Other chemicals                              |      | 95900                   | 254385   | 312212  | 367589  |      | 30840                        | 99586   | 124556 | 147041 | 32.2                           | 40.0 | 43.0                                       | 32.5 |
| 3521 Paints, varnishes and lacquers              |      | 11357                   | 28933    | ..      | ..      |      | 3389                         | 10946   | ..     | ..     | 29.8                           | ..   | 38.7                                       | ..   |
| 3522 Drugs and medicines                         |      | 34872                   | 100078   | 122641  | 144155  |      | 9866                         | 35206   | 41876  | 47783  | 28.3                           | 33.1 | 59.7                                       | 45.0 |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 37109                   | 89732    | ..      | ..      |      | 14453                        | 43931   | ..     | ..     | 38.9                           | ..   | 32.8                                       | ..   |
| 3529 Other chemical products                     |      | 12532                   | 35641    | ..      | ..      |      | 3134                         | 9603    | ..     | ..     | 25.0                           | ..   | 42.0                                       | ..   |
| 353 Petroleum refineries                         |      | 405600                  | 500291   | 545342  | 549749  |      | 19310                        | 34346   | 84637  | 103250 | 4.8                            | 18.8 | 24.6                                       | 16.7 |

|   |         |         |         |         |         |         |         |         |      |      |      |      |
|---|---------|---------|---------|---------|---------|---------|---------|---------|------|------|------|------|
| 354 Misc petroleum and coal products            | 9800    | 17702   | 22466   | 27260   | 2810    | 4306    | 6561    | 9227    | 26 6 | 33 8 | 56 6 | 37 8 |
| 355 Rubber products                             | 16000   | 35432   | 37628   | 33852   | 6020    | 13288   | 14147   | 14632   | 37 6 | 43 2 | 44 3 | 30 7 |
| 3551 Tyres and tubes                            |         |         |         |         |         |         |         |         |      |      |      |      |
| 3559 Other rubber products                      |         |         |         |         |         |         |         |         |      |      |      |      |
| 356 Plastic products                            | 45700   | 118324  | 132252  | 153256  | 15080   | 43721   | 61131   | 62959   | 33 0 | 41 1 | 46 7 | 34 8 |
| 361 Pottery, china, earthenware                 | 10900   | 20036   | 19202   | 21772   | 6000    | 11500   | 11516   | 13022   | 55 0 | 59 8 | 54 2 | 49 8 |
| 362 Glass and products                          | 6800    | 17692   | 18001   | 17982   | 3110    | 7756    | 8035    | 7960    | 45 7 | 44 3 | 60 2 | 38 1 |
| 369 Other non-metallic mineral products         | 105800  | 241982  | 276221  | 302137  | 38060   | 101657  | 116169  | 121837  | 36 0 | 40 3 | 44 2 | 42 2 |
| 3691 Structural clay products                   | 17397   | 34754   |         |         | 5629    | 15905   |         |         | 32 4 |      | 60 8 |      |
| 3692 Cement, lime and plaster                   | 73402   | 170205  |         |         | 26628   | 69892   |         |         | 36 3 |      | 40 9 |      |
| 3699 Other non-metallic mineral products        | 14991   | 37023   |         |         | 5802    | 15860   |         |         | 38 7 |      | 43 3 |      |
| 371 Iron and steel                              | 102000  | 197994  | 194724  | 185560  | 21120   | 44365   | 39601   | 38966   | 20 7 | 21 0 | 36 2 | 46 4 |
| 372 Non-ferrous metals                          | 81100   | 188999  | 204981  | 220032  | 25360   | 55003   | 61722   | 64577   | 31 3 | 24 8 | 36 7 | 45 6 |
| 381 Fabricated metal products                   | 107800  | 196227  | 211003  | 252176  | 38140   | 71166   | 76841   | 95701   | 35 4 | 38 0 | 47 8 | 44 7 |
| 3811 Cutlery, hand tools and general hardware   | 5636    | 12680   |         |         | 2277    | 4962    |         |         | 40 4 |      | 47 0 |      |
| 3812 Furniture and fixtures primarily of metal  | 5128    | 14102   |         |         | 2124    | 6760    |         |         | 41 4 |      | 49 3 |      |
| 3813 Structural metal products                  | 21012   | 27013   |         |         | 8140    | 10390   |         |         | 38 7 |      | 53 4 |      |
| 3819 Other fabricated metal products            | 76050   | 142432  |         |         | 25598   | 49054   |         |         | 33 7 |      | 45 9 |      |
| 382 Non-electrical machinery                    | 27400   | 67309   | 71043   | 77656   | 11120   | 28239   | 31049   | 33254   | 40 6 | 42 8 | 50 7 | 46 9 |
| 3821 Engines and turbines                       | 1655    | 5340    |         |         | 610     | 2860    |         |         | 36 9 |      | 42 4 |      |
| 3822 Agricultural machinery and equipment       | 3775    | 7181    |         |         | 1646    | 2672    |         |         | 43 6 |      | 53 1 |      |
| 3823 Metal and wood working machinery           | 752     | 613     |         |         | 359     | 308     |         |         | 47 7 |      | 39 8 |      |
| 3824 Other special industrial machinery         | 3416    | 10028   |         |         | 1140    | 4384    |         |         | 33 4 |      | 47 9 |      |
| 3825 Office, computing and accounting machinery | 293     | 692     | 1537    | 1496    | 162     | 340     | 833     | 832     | 55 4 | 56 6 | 67 5 | 32 8 |
| 3829 Other non-electrical machinery & equipment | 17500   | 43454   |         |         | 7206    | 17673   |         |         | 41 2 |      | 61 7 |      |
| 383 Electrical machinery                        | 88600   | 191897  | 237512  | 273787  | 30290   | 69974   | 90864   | 102892  | 34 2 | 37 6 | 44 2 | 33 2 |
| 3831 Electrical industrial machinery            | 29175   | 69621   |         |         | 8086    | 19348   |         |         | 27 7 |      | 39 8 |      |
| 3832 Radio, television and communication equipm | 18238   | 35569   | 68763   | 80920   | 5609    | 15442   | 28876   | 33238   | 30 8 | 41 1 | 42 5 | 24 7 |
| 3833 Electrical appliances and housewares       |         |         |         |         |         |         |         |         |      |      |      |      |
| 3839 Other electrical apparatus and supplies    | 41192   | 86708   |         |         | 16592   | 36183   |         |         | 40 3 |      | 46 9 |      |
| 384 Transport equipment                         | 71000   | 150136  | 192674  | 199769  | 37010   | 77403   | 101215  | 100462  | 52 1 | 50 3 | 66 5 | 73 0 |
| 3841 Shipbuilding and repairing                 | 24599   | 59044   | 80337   | 62211   | 15700   | 35403   | 48641   | 38649   | 63 8 | 62 1 | 73 9 |      |
| 3842 Railroad equipment                         | 5178    | 9295    |         |         | 3854    | 7070    |         |         | 74 4 |      | 71 6 |      |
| 3843 Motor vehicles                             | 25602   | 53147   | 64868   | 85939   | 6104    | 14129   | 16966   | 23931   | 23 8 | 27 8 | 52 8 | 31 4 |
| 3844 Motorcycles and bicycles                   | 15631d/ | 28803d/ |         |         | 11347d/ | 20849d/ |         |         | 72 6 |      | 61 9 |      |
| 3845 Aircraft                                   | d/      | d/      |         |         | d/      | d/      |         |         |      |      |      |      |
| 3849 Other transport equipment                  | d/      | d/      |         |         | d/      | d/      |         |         |      |      |      |      |
| 385 Professional and scientific equipment       | 1400    | 5384    | 6640    | 7565    | 730     | 2585    | 3127    | 3571    | 52 1 | 47 2 | 67 0 | 46 0 |
| 3851 Prof and scientific equipment n e c        | 1128    | 4909    |         |         | 563     | 2351    |         |         | 49 0 |      | 69 5 |      |
| 3852 Photographic and optical goods             | 319     | 475     |         |         | 178     | 234     |         |         | 55 9 |      | 59 0 |      |
| 3853 Watches and clocks                         |         |         |         |         |         |         |         |         |      |      |      |      |
| 390 Other manufacturing industries              | 12200   | 18800   | 21298   | 22584   | 5400    | 7478    | 8794    | 9820    | 44 3 | 43 5 | 33 0 | 39 6 |
| 3901 Jewellery and related articles             | 1645    | 6629    |         |         | 620     | 2726    |         |         | 37 7 |      | 39 3 |      |
| 3902 Musical instruments                        | 1471    | 1583    |         |         | 737     | 746     |         |         | 50 1 |      | 48 1 |      |
| 3903 Sporting and athletic goods                | 5486    | 5562    |         |         | 2546    | 1959    |         |         | 46 4 |      | 27 7 |      |
| 3909 Manufacturing industries, n e c            | 3607    | 5027    |         |         | 1492    | 2046    |         |         | 41 4 |      | 32 1 |      |
| 3 Total manufacturing                           | 2339400 | 4699673 | 5279289 | 5757287 | 641470  | 1473069 | 1743128 | 2032054 | 27 4 | 35 3 | 45 0 | 38 9 |

a/ 3113 includes 3114  
c/ 3412 includes 3419

b/ 3121 includes 3122  
d/ 3844 includes 3845 and 3849

## Greece

| ISIC Industry                             | Note | Gross fixed capital formation |        |        |        | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |
|---|------|-------------------------------|--------|--------|--------|------|--|------|------|------|------|------|------|------|------|
|   |      | (million DRACHMAS)            |        |        |        |      | (1980=100)                             |      |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990   | 1991   | 1992   |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      | 14078                         | 38814  | 44428  | 57294  |      | 110                                    | 112  | 103  | 97   | 107  | 119  | 106  | 115  | 125  |
| 313 Beverages                             |      | 4465                          | 14738  | 15836  | 12770  |      | 110                                    | 124  | 139  | 124  | 135  | 143  | 143  | 145  | 149  |
| 314 Tobacco                               |      | 1726                          | 3963   | 6017   | 9771   |      | 108                                    | 120  | 111  | 96   | 101  | 93   | 113  | 115  | 109  |
| 321 Textiles                              |      | 9783                          | 29043  | 21331  | 29691  |      | 92                                     | 96   | 102  | 104  | 101  | 99   | 95   | 85   | 79   |
| 322 Wearing apparel, except footwear      |      | 2391                          | 7796   | 5133   | 7406   |      | 79                                     | 79   | 79   | 72   | 77   | 72   | 72   | 75   | 73   |
| 323 Leather and fur products              |      | 185                           | 558    | 2679   | 501    |      | 72                                     | 71   | 72   | 85   | 79   | 71   | 80   | 58   | 57   |
| 324 Footwear, except rubber or plastic    |      | 555                           | 600    | 754    | 1062   |      | 79                                     | 108  | 104  | 97   | 83   | 84   | 62   | 58   | 50   |
| 331 Wood products, except furniture       |      | 531                           | 6858   | 8091   | 8260   |      | 70                                     | 62   | 60   | 63   | 64   | 73   | 73   | 75   | 72   |
| 332 Furniture and fixtures, excl metal    |      | 332                           | 2842   | 1992   | 2023   |      | 56                                     | 78   | 57   | 62   | 55   | 59   | 60   | 57   | 51   |
| 341 Paper and products                    |      | 1702                          | 3175   | 4947   | 7369   |      | 118                                    | 137  | 158  | 182  | 183  | 184  | 152  | 163  | 166  |
| 342 Printing and publishing               |      | 567                           | 6503   | 5942   | 5762   |      | 109                                    | 117  | 102  | 101  | 105  | 104  | 96   | 88   | 86   |
| 351 Industrial chemicals                  |      | 4960                          | 3302   | 3284   | 2875   |      | 113                                    | 117  | 103  | 104  | 110  | 111  | 110  | 104  | 85   |
| 352 Other chemicals                       |      | 3745                          | 6600   | 8652   | 10617  |      | 119                                    | 129  | 127  | 128  | 140  | 151  | 152  | 146  | 151  |
| 353 Petroleum refineries                  |      | 10322                         | 14866  | 10574  | 10386  |      | 98                                     | 97   | 117  | 120  | 122  | 127  | 132  | 114  | 132  |
| 354 Misc petroleum and coal products      |      | 207                           | 1363   | 1621   | 1486   |      | 63                                     | 61   | 62   | 64   | 88   | 88   | 79   | 83   | 90   |
| 355 Rubber products                       |      | 781                           | 2459   | 2375   | 1109   |      | 97                                     | 102  | 99   | 98   | 112  | 123  | 122  | 101  | 90   |
| 356 Plastic products                      |      | 1692                          | 9367   | 9664   | 6838   |      | 116                                    | 123  | 110  | 103  | 140  | 162  | 147  | 142  | 127  |
| 361 Pottery, china, earthenware           |      | 682                           | 941    | 2793   | 604    |      | 77                                     | 67   | 80   | 76   | 67   | 66   | 67   | 45   | 46   |
| 362 Glass and products                    |      | 328                           | 783    | 1680   | 1531   |      | 76                                     | 80   | 101  | 98   | 89   | 85   | 89   | 84   | 59   |
| 369 Other non-metallic mineral products   |      | 15651                         | 18287  | 20180  | 18600  | a/   | 100                                    | 98   | 99   | 100  | 108  | 106  | 109  | 98   | 97   |
| 371 Iron and steel                        |      | 8578                          | 4541   | 9144   | 9683   |      | 96                                     | 91   | 89   | 89   | 97   | 100  | 92   | 91   | 82   |
| 372 Non-ferrous metals                    |      | 3364                          | 10196  | 13192  | 14691  |      | 87                                     | 86   | 83   | 81   | 93   | 92   | 94   | 99   | 100  |
| 381 Fabricated metal products             |      | 3791                          | 14493  | 15026  | 19672  |      | 101                                    | 93   | 99   | 83   | 93   | 84   | 76   | 72   | 80   |
| 382 Non-electrical machinery              |      | 979                           | 2430   | 2754   | 2015   |      | 84                                     | 91   | 82   | 73   | 74   | 92   | 94   | 84   | 83   |
| 383 Electrical machinery                  |      | 8156                          | 11441  | 11000  | 15230  |      | 88                                     | 102  | 103  | 88   | 79   | 86   | 82   | 93   | 94   |
| 384 Transport equipment                   |      | 13983                         | 35182  | 30636  | 23289  |      | 78                                     | 62   | 70   | 72   | 80   | 77   | 88   | 92   | 93   |
| 385 Professional and scientific equipment |      | 18                            | 260    | 211    | 244    |      | 100                                    | 76   | 62   | 135  | 79   | 50   | 55   | 64   | 60   |
| 390 Other manufacturing industries        |      | 339                           | 1067   | 583    | 959    |      | 138                                    | 162  | 131  | 128  | 114  | 124  | 126  | 172  | 72   |
| 3 Total manufacturing                     |      | 113834                        | 251936 | 260528 | 281636 | a/   | 96                                     | 98   | 98   | 96   | 100  | 102  | 99   | 98   | 97   |

a/ Excluding magnesite roasting

## GUATEMALA

**Supplier of information:**

Instituto Nacional de Estadística, Ministerio de Economía, Guatemala.

**Basic source of data:**

Annual survey of manufacturing industries.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):**

**Scope:**

Establishments with 5 or more persons engaged.

**Method of enumeration:**

Sampling methods.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of employees does not include homeworkers.

Wages and salaries is all payments to employees, in cash and in kind. It includes bonuses, cost-of-living allowances, wages and salaries paid during regular leave, dismissal compensations, taxes and employees' contributions to social insurance and other funds.

Output comprises the value of (a) goods produced, (b) work performed for others, (c) goods sold without transformation, (d) electricity sold and (e) other receipts.

**Related national publications:**

Encuesta Industrial (annual), published by the Instituto Nacional de Estadística, Guatemala.

Boletín Estadístico (quarterly), published by the Banco de Guatemala, Guatemala.

## Guatemala

| ISIC Industry                                    | Note | Number of establishments<br>(numbers) |      |      |      | Note | Number of employees<br>(numbers) |       |       |      | Note | Wages and salaries paid<br>to employees<br>(thousand QUETZALES) |       |        |      |
|--|------|---------------------------------------|------|------|------|------|----------------------------------|-------|-------|------|------|---|-------|--------|------|
|  |      | 1985                                  | 1987 | 1988 | 1989 |      | 1985                             | 1987  | 1988  | 1989 |      | 1985  | 1987  | 1988   | 1989 |
| 311/2 Food Products                              |      | 597                                   | 642  | 666  | 684  |      | 26148                            | 19368 | 26687 |      |      | 61653   | 70783 | 108471 |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 22                                    | 19   | 21   | 21   |      | 3094                             | 2387  | 3287  |      |      | 1229  | 8834  | 13581  |      |
| 3112 Dairy products                              |      | 47                                    | 47   | 47   | 49   |      | 1424                             | 1426  | 1978  |      |      | 3467  | 4700  | 7202   |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 18                                    | 24   | 30   | 31   |      | 1792                             | 2059  | 2836  |      |      | 8349  | 10331 | 15826  |      |
| 3114 Canning, preserving and processing of fish  |      | 3                                     | 4    | 7    | 7    |      | 630                              | 503   | 692   |      |      | 1336  | 1430  | 2191   |      |
| 3115 Vegetable and animal oils and fats          |      | 6                                     | 9    | 10   | 11   |      | 607                              | 860   | 1196  |      |      | 1840  | 2260  | 3460   |      |
| 3116 Grain mill products                         |      | 65                                    | 74   | 75   | 71   |      | 3260                             | 1398  | 1924  |      |      | 8780  | 6978  | 10684  |      |
| 3117 Bakery products                             |      | 129                                   | 175  | 176  | 187  |      | 2463                             | 2479  | 3413  |      |      | 6238  | 6848  | 8960   |      |
| 3118 Sugar factories and refineries              |      | 211                                   | 201  | 202  | 206  |      | 9333                             | 6720  | 7881  |      |      | 12444   | 16204 | 24829  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 27                                    | 29   | 29   | 30   |      | 1292                             | 829   | 1142  |      |      | 3923  | 4118  | 6302   |      |
| 3121 Other food products                         |      | 57                                    | 49   | 58   | 58   |      | 1815                             | 1630  | 2106  |      |      | 7686  | 8996  | 13776  |      |
| 3122 Prepared animal feeds                       |      | 12                                    | 11   | 11   | 13   |      | 438                              | 177   | 243   |      |      | 1362  | 1083  | 1660   |      |
| 313 Beverages                                    |      | 29                                    | 33   | 33   | 32   |      | 4550                             | 4861  | 4889  |      |      | 23319   | 31419 | 30620  |      |
| 3131 Distilling, rectifying and blending spirits |      | 10                                    | 11   | 11   | 10   |      | 676                              | 611   | 612   |      |      | 3769  | 5612  | 6363   |      |
| 3132 Wine industries                             |      | 5                                     | 5    | 5    | 5    |      | 211                              | 230   | 232   |      |      | 807   | 981   | 966    |      |
| 3133 Malt liquors and malt                       |      | 3                                     | 3    | 3    | 3    |      | 802                              | 880   | 881   |      |      | 4617  | 7724  | 7502   |      |
| 3134 Soft drinks and carbonated waters           |      | 11                                    | 14   | 14   | 14   |      | 2862                             | 3140  | 3144  |      |      | 14226   | 17202 | 16710  |      |
| 314 Tobacco                                      |      | 4                                     | 4    | 3    | 3    |      | 826                              | 803   | 807   |      |      | 6167  | 8589  | 9662   |      |
| 321 Textiles                                     |      | 117                                   | 109  | 114  | 115  |      | 8686                             | 8089  | 8412  |      |      | 19640   | 18604 | 30904  |      |
| 3211 Spinning, weaving and finishing textiles    |      | 66                                    | 61   | 64   | 63   |      | 6796                             | 6094  | 6595  |      |      | 15059   | 12698 | 26310  |      |
| 3212 Made-up textile goods excl wearing apparel  |      | 27                                    | 32   | 33   | 36   |      | 368                              | 492   | 448   |      |      | 1178  | 1668  | 1219   |      |
| 3213 Knitting mills                              |      | 13                                    | 7    | 7    | 7    |      | 1086                             | 1016  | 926   |      |      | 2608  | 3470  | 2699   |      |
| 3214 Carpets and rugs                            |      | 2                                     | 4    | 4    | 3    |      | 37                               | 41    | 37    |      |      | 67  | 88    | 68     |      |
| 3215 Cordage, rope and twine                     |      | 8                                     | 4    | 5    | 5    |      | 371                              | 435   | 396   |      |      | 706   | 746   | 680    |      |
| 3219 Other textiles                              |      | 1                                     | 1    | 1    | 1    |      | 9                                | 11    | 10    |      |      | 22  | 34    | 28     |      |
| 322 Wearing apparel, except footwear             |      | 175                                   | 188  | 237  | 250  |      | 2653                             | 2304  | 9636  |      |      | 6841  | 6246  | 28941  |      |
| 323 Leather and fur products                     |      | 37                                    | 36   | 37   | 41   |      | 581                              | 430   | 714   |      |      | 1017  | 1126  | 2269   |      |
| 3231 Tanneries and leather finishing             |      | 28                                    | 24   | 25   | 28   |      | 440                              | 339   | 663   |      |      | 830   | 866   | 1739   |      |
| 3232 Fur dressing and dyeing industries          |      | -                                     | -    | -    | -    |      | -                                | -     | -     |      |      | -   | -     | -      |      |
| 3233 Leather goods excl wearing apparel          |      | 9                                     | 12   | 12   | 13   |      | 141                              | 91    | 151   |      |      | 187   | 269   | 520    |      |
| 324 Footwear, except rubber or plastic           |      | 71                                    | 67   | 69   | 79   |      | 2136                             | 2129  | 2608  |      |      | 4249  | 4343  | 6666   |      |
| 331 Wood products, except furniture              |      | 126                                   | 146  | 156  | 161  |      | 2090                             | 2006  | 3361  |      |      | 3343  | 4276  | 8280   |      |
| 3311 Sawmills, planing and other wood mills      |      | 104                                   | 125  | 135  | 135  |      | 1736                             | 1669  | 2788  |      |      | 2720  | 3478  | 6736   |      |
| 3312 Wooden and cane containers                  |      | 3                                     | 3    | 3    | 9    |      | 113                              | 89    | 148   |      |      | 243   | 280   | 641    |      |
| 3319 Other wood and cork products                |      | 21                                    | 18   | 18   | 17   |      | 241                              | 248   | 416   |      |      | 380   | 617   | 1003   |      |
| 332 Furniture and fixtures, excl metal           |      | 73                                    | 88   | 103  | 110  |      | 802                              | 789   | 2026  |      |      | 1639  | 1699  | 6290   |      |
| 341 Paper and products                           |      | 23                                    | 24   | 25   | 28   |      | 1320                             | 962   | 1741  |      |      | 5473  | 6289  | 9600   |      |
| 3411 Pulp, paper and paperboard articles         |      | 8                                     | 8    | 9    | 9    |      | 503                              | 438   | 676   |      |      | 1991  | 2046  | 4000   |      |
| 3412 Containers of paper and paperboard          |      | 10                                    | 12   | 12   | 15   |      | 623                              | 416   | 862   |      |      | 2646  | 2700  | 4678   |      |
| 3419 Other pulp, paper and paperboard articles   |      | 5                                     | 4    | 4    | 4    |      | 194                              | 98    | 204   |      |      | 836   | 544   | 922    |      |
| 342 Printing and publishing                      |      | 134                                   | 132  | 134  | 136  |      | 2807                             | 2266  | 3886  |      |      | 9622  | 10070 | 19678  |      |
| 351 Industrial chemicals                         |      | 21                                    | 19   | 20   | 24   |      | 1176                             | 962   | 1168  |      |      | 6634  | 7661  | 4991   |      |
| 3511 Basic chemicals excl fertilizers            |      | 6                                     | 5    | 5    | 5    |      | 220                              | 193   | 216   |      |      | 666   | 622   | 367    |      |
| 3512 Fertilizers and pesticides                  |      | 11                                    | 10   | 11   | 14   |      | 883                              | 739   | 904   |      |      | 6623  | 6946  | 4428   |      |
| 3513 Synthetic resins and plastic materials      |      | 4                                     | 4    | 4    | 5    |      | 73                               | 30    | 39    |      |      | 366   | 93    | 206    |      |
| 352 Other chemicals                              |      | 131                                   | 133  | 136  | 143  |      | 6306                             | 6013  | 7124  |      |      | 30629   | 38062 | 61629  |      |
| 3521 Paints, varnishes and lacquers              |      | 16                                    | 17   | 17   | 17   |      | 623                              | 616   | 733   |      |      | 1739  | 2328  | 4819   |      |
| 3522 Drugs and medicines                         |      | 43                                    | 44   | 45   | 51   |      | 2319                             | 2176  | 2668  |      |      | 13180   | 21066 | 26368  |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 40                                    | 39   | 39   | 40   |      | 2670                             | 2615  | 3111  |      |      | 12312   | 10079 | 20866  |      |
| 3529 Oth. chemical products                      |      | 33                                    | 33   | 36   | 36   |      | 693                              | 606   | 721   |      |      | 3297  | 4689  | 9496   |      |
| 363 Petroleum refineries                         |      | 3                                     | 5    | 5    | 4    |      | 142                              | 182   | 239   |      |      | 1644  | 4689  | 4082   |      |



|   |      |      |      |      |       |       |       |        |        |        |
|---|------|------|------|------|-------|-------|-------|--------|--------|--------|
| 354 Misc petroleum and coal products            | 2    | 2    | 2    | 2    | 62    | 38    | 66    | 97     | 88     | 228    |
| 355 Rubber products                             | 17   | 16   | 18   | 20   | 1940  | 1833  | 2413  | 8694   | 9903   | 12862  |
| 3551 Tyres and tubes                            | 6    | 6    | 6    | 8    | 801   | 666   | 876   | 6436   | 6762   | 8784   |
| 3559 Other rubber products                      | 11   | 10   | 12   | 12   | 1139  | 1168  | 1538  | 3269   | 3141   | 4078   |
| 356 Plastic products                            | 77   | 74   | 76   | 84   | 2722  | 1736  | 3514  | 10133  | 8767   | 18971  |
| 361 Pottery, china, earthenware                 | 10   | 10   | 12   | 13   | 216   | 210   | 402   | 831    | 916    | 1183   |
| 362 Glass and products                          | 13   | 12   | 12   | 12   | 892   | 864   | 942   | 6083   | 7602   | 3386   |
| 369 Other non-metallic mineral products         | 147  | 188  | 208  | 218  | 3024  | 2766  | 4617  | 9491   | 11807  | 17866  |
| 3691 Structural clay products                   | 5    | 8    | 8    | 6    | 298   | 226   | 369   | 731    | 464    | 704    |
| 3692 Cement, lime and plaster                   | 12   | 14   | 14   | 13   | 801   | 890   | 1454  | 3527   | 5888   | 8908   |
| 3699 Other non-metallic mineral products        | 130  | 166  | 186  | 199  | 1926  | 1660  | 2694  | 6233   | 6464   | 8254   |
| 371 Iron and steel                              | 15   | 13   | 13   | 13   | 1186  | 1033  | 1104  | 3166   | 3337   | 6268   |
| 372 Non-ferrous metals                          | 3    | 4    | 3    | 2    | 63    | 62    | 61    | 208    | 198    | 263    |
| 381 Fabricated metal products                   | 110  | 114  | 123  | 124  | 2006  | 1843  | 3308  | 6264   | 8046   | 12877  |
| 3811 Cutlery, hand tools and general hardware   | 11   | 12   | 13   | 11   | 403   | 323   | 680   | 1296   | 1437   | 2298   |
| 3812 Furniture and fixtures primarily of metal  | 24   | 23   | 23   | 22   | 328   | 233   | 418   | 730    | 720    | 1166   |
| 3813 Structural metal products                  | 58   | 61   | 66   | 68   | 963   | 871   | 1663  | 2732   | 3348   | 6368   |
| 3819 Other fabricated metal products            | 17   | 18   | 22   | 23   | 311   | 416   | 747   | 1606   | 2641   | 4066   |
| 382 Non-electrical machinery                    | 21   | 26   | 30   | 33   | 606   | 467   | 938   | 1941   | 2442   | 3862   |
| 3821 Engines and turbines                       | -    | -    | -    | -    | -     | -     | -     | -      | -      | -      |
| 3822 Agricultural machinery and equipment       | 4    | 7    | 7    | 8    | 42    | 54    | 111   | 106    | 170    | 269    |
| 3823 Metal and wood working machinery           | -    | -    | -    | -    | -     | -     | -     | -      | -      | -      |
| 3824 Other special industrial machinery         | -    | -    | -    | -    | -     | -     | -     | -      | -      | -      |
| 3825 Office, computing and accounting machinery | 1    | 2    | 3    | 2    | 46    | 68    | 107   | 267    | 332    | 237    |
| 3829 Other non-electrical machinery & equipment | 16   | 17   | 20   | 23   | 617   | 346   | 720   | 1678   | 1940   | 3366   |
| 383 Electrical machinery                        | 32   | 32   | 32   | 32   | 996   | 829   | 1692  | 3874   | 4861   | 9810   |
| 3831 Electrical industrial machinery            | 2    | 2    | 2    | 3    | 63    | 66    | 130   | 248    | 243    | 666    |
| 3832 Radio, television and communication equipm | 12   | 12   | 12   | 13   | 377   | 274   | 406   | 1209   | 1286   | 1673   |
| 3833 Electrical appliances and housewares       | -    | 1    | 1    | 1    | -     | 6     | 14    | -      | 11     | 24     |
| 3839 Other electrical apparatus and supplies    | 18   | 17   | 17   | 16   | 666   | 493   | 1143  | 2417   | 3322   | 7668   |
| 384 Transport equipment                         | 22   | 26   | 30   | 30   | 1171  | 736   | 1071  | 1216   | 2096   | 3989   |
| 3841 Shipbuilding and repairing                 | 2    | 2    | 2    | 2    | 7     | -     | 40    | 23     | -      | 260    |
| 3842 Railroad equipment                         | -    | -    | -    | -    | -     | -     | -     | -      | -      | -      |
| 3843 Motor vehicles                             | 17   | 20   | 24   | 24   | 627   | 609   | 706   | 928    | 1228   | 2392   |
| 3844 Motorcycles and bicycles                   | 3    | 4    | 4    | 4    | 637   | 227   | 326   | 264    | 666    | 1337   |
| 3845 Aircraft                                   | -    | -    | -    | -    | -     | -     | -     | -      | -      | -      |
| 3849 Other transport equipment                  | -    | -    | -    | -    | -     | -     | -     | -      | -      | -      |
| 385 Professional and scientific equipment       | 11   | 12   | 14   | 14   | 197   | 203   | 229   | 604    | 1098   | 1127   |
| 3851 Prof and scientific equipment n e c        | 5    | 6    | 8    | 8    | 116   | 120   | 136   | 266    | 818    | 840    |
| 3852 Photographic and optical goods             | 6    | 6    | 6    | 6    | 82    | 83    | 94    | 246    | 280    | 287    |
| 3853 Watches and clocks                         | -    | -    | -    | -    | -     | -     | -     | -      | -      | -      |
| 390 Other manufacturing industries              | 32   | 33   | 36   | 35   | 448   | 443   | 696   | 1118   | 1223   | 2767   |
| 3901 Jewellery and related articles             | 7    | 7    | 7    | 7    | 76    | 76    | 102   | 304    | 366    | 873    |
| 3902 Musical instruments                        | -    | -    | -    | -    | -     | -     | -     | -      | -      | -      |
| 3907 Sporting and athletic goods                | -    | -    | -    | -    | -     | -     | -     | -      | -      | -      |
| 3909 Manufacturing industries, n e c            | 25   | 26   | 28   | 28   | 373   | 367   | 493   | 814    | 668    | 1894   |
| 3 Total manufacturing                           | 2066 | 2188 | 2346 | 2442 | 76726 | 64193 | 94089 | 232179 | 273017 | 426021 |

## Guatemala

| ISIC Industry                                    | Note | Output in producers' prices |         |         |      | Note   | Value added in producers' prices |        |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-----------------------------|---------|---------|------|--------|----------------------------------|--------|------|------|--------------------------------|------|--|------|
|  |      | (thousand QUETZALES)        |         |         |      |        | (thousand QUETZALES)             |        |      |      | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                        | 1987    | 1988    | 1989 |        | 1985                             | 1987   | 1988 | 1989 | 1985                           | 1989 | 1985                                       | 1989 |
| 311/2 Food Products                              |      | 849000                      | 1143000 | 1893000 |      | 289000 | 468000                           | 631000 |      |      | 34.0                           |      | 21.3                                       |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 128973                      | 117214  | 133606  |      | 64202  | 44373                            | 49384  |      |      | 42.0                           |      | 13.3                                       |      |
| 3112 Dairy products                              |      | 36399                       | 54226   | 78216   |      | 10314  | 18763                            | 28287  |      |      | 28.3                           |      | 33.6                                       |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 58346                       | 88665   | 153749  |      | 31064  | 44772                            | 43480  |      |      | 63.2                           |      | 26.9                                       |      |
| 3114 Canning, preserving and processing of fish  |      | 9551                        | 9867    | 31407   |      | 2615   | 1839                             | 12871  |      |      | 26.3                           |      | 53.1                                       |      |
| 3115 Vegetable and animal oils and fats          |      | 47887                       | 81917   | 126742  |      | 11938  | 26661                            | 33072  |      |      | 24.9                           |      | 15.4                                       |      |
| 3116 Grain mill products                         |      | 193230                      | 166559  | 431811  |      | 56811  | 71103                            | 111448 |      |      | 29.4                           |      | 16.6                                       |      |
| 3117 Bakery products                             |      | 40471                       | 65089   | 107340  |      | 17085  | 31368                            | 37820  |      |      | 42.2                           |      | 30.7                                       |      |
| 3118 Sugar factories and refineries              |      | 199998                      | 381963  | 440929  |      | 74932  | 176496                           | 87838  |      |      | 37.6                           |      | 16.6                                       |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 28783                       | 31662   | 105866  |      | 9674   | 10608                            | 49963  |      |      | 33.3                           |      | 41.0                                       |      |
| 3121 Other food products                         |      | 50289                       | 76114   | 177914  |      | 16806  | 33096                            | 62617  |      |      | 33.4                           |      | 46.7                                       |      |
| 3122 Prepared animal feeds                       |      | 54796                       | 69722   | 106279  |      | 4608   | 8623                             | 24891  |      |      | 8.4                            |      | 29.6                                       |      |
| 313 Beverages                                    |      | 155000                      | 255000  | 305000  |      | 103000 | 150000                           | 117000 |      |      | 66.6                           |      | 22.6                                       |      |
| 3131 Distilling, rectifying and blending spirits |      | 41124                       | 56817   | 70053   |      | 22370  | 34187                            | 29960  |      |      | 64.4                           |      | 16.8                                       |      |
| 3132 Wine industries                             |      | 4391                        | 5026    | 4885    |      | 926    | 1917                             | 1512   |      |      | 21.1                           |      | 87.1                                       |      |
| 3133 Malt liquors and malt                       |      | 48066                       | 66046   | 89182   |      | 47199  | 40976                            | 23119  |      |      | 98.2                           |      | 9.6  |      |
| 3134 Soft drinks and carbonated waters           |      | 60964                       | 127481  | 141086  |      | 32073  | 73029                            | 62420  |      |      | 62.6                           |      | 44.4                                       |      |
| 314 Tobacco                                      |      | 35000                       | 63000   | 128000  |      | 17000  | 39000                            | 56000  |      |      | 48.6                           |      | 30.4                                       |      |
| 321 Textiles                                     |      | 183000                      | 159000  | 350000  |      | 82000  | 68000                            | 143000 |      |      | 44.8                           |      | 24.0                                       |      |
| 3211 Spinning, weaving and finishing textiles    |      | 142668                      | 121001  | 295430  |      | 63332  | 48868                            | 121096 |      |      | 44.4                           |      | 23.8                                       |      |
| 3212 Made-up textile goods excl. wearing apparel |      | 11806                       | 17457   | 29346   |      | 5236   | 7263                             | 12701  |      |      | 44.4                           |      | 22.6                                       |      |
| 3213 Knitting mills                              |      | 16025                       | 15456   | 8867    |      | 7361   | 9369                             | 3339   |      |      | 46.9                           |      | 36.6                                       |      |
| 3214 Carpets and rugs                            |      | 978                         | 467     | 296     |      | 769    | 146                              | 282    |      |      | 81.7                           |      | 8.4  |      |
| 3215 Cordage, rope and twine                     |      | 11085                       | 4744    | 16306   |      | 5832   | 2210                             | 6899   |      |      | 62.6                           |      | 12.1                                       |      |
| 3219 Other textiles                              |      | 144                         | 338     | 261     |      | 69     | 214                              | 166    |      |      | 47.9                           |      | 31.9                                       |      |
| 322 Wearing apparel, except footwear             |      | 24000                       | 41000   | 166000  |      | 15000  | 24000                            | 70000  |      |      | 44.1                           |      | 38.9                                       |      |
| 323 Leather and fur products                     |      | 12000                       | 17000   | 38000   |      | 3000   | 6000                             | 19000  |      |      | 26.0                           |      | 33.9                                       |      |
| 3231 Tanneries and leather finishing             |      | 11354                       | 14881   | 26660   |      | 2119   | 4418                             | 11043  |      |      | 18.7                           |      | 39.2                                       |      |
| 3232 Fur dressing and dyeing industries          |      | -                           | -       | -       |      | -      | -                                | -      |      |      | -                              |      | -  |      |
| 3233 Leather goods excl. wearing apparel         |      | 866                         | 2376    | 11679   |      | 507    | 863                              | 7876   |      |      | 66.6                           |      | 36.9                                       |      |
| 324 Footwear, except rubber or plastic           |      | 27000                       | 29000   | 63000   |      | 14000  | 3000                             | 40000  |      |      | 61.9                           |      | 30.3                                       |      |
| 331 Wood products, except furniture              |      | 16400                       | 32000   | 60000   |      | 7000   | 18000                            | 27000  |      |      | 42.7                           |      | 47.8                                       |      |
| 3311 Sawmills, planing and other wood mills      |      | 14166                       | 29906   | 51221   |      | 5468   | 16423                            | 22272  |      |      | 38.6                           |      | 49.8                                       |      |
| 3312 Wooden and cane containers                  |      | 372                         | 501     | 1836    |      | 291    | 341                              | 1170   |      |      | 78.2                           |      | 83.6                                       |      |
| 3319 Other wood and cork products                |      | 1816                        | 2193    | 6968    |      | 906    | 1038                             | 3430   |      |      | 49.9                           |      | 42.0                                       |      |
| 332 Furniture and fixtures, excl. metal          |      | 7100                        | 17000   | 32000   |      | 3000   | 12000                            | 13000  |      |      | 42.3                           |      | 54.6                                       |      |
| 341 Paper and products                           |      | 70000                       | 62000   | 110000  |      | 24000  | 26000                            | 31000  |      |      | 34.3                           |      | 22.8                                       |      |
| 3411 Pulp, paper and paperboard articles         |      | 29847                       | 25631   | 54423   |      | 12612  | 14078                            | 17628  |      |      | 42.3                           |      | 16.8                                       |      |
| 3412 Containers of paper and paperboard          |      | 36631                       | 27721   | 47866   |      | 8963   | 8847                             | 11978  |      |      | 24.6                           |      | 29.6                                       |      |
| 3419 Other pulp, paper and paperboard articles   |      | 3773                        | 7364    | 7479    |      | 2760   | 2160                             | 1468   |      |      | 73.2                           |      | 30.3                                       |      |
| 342 Printing and publishing                      |      | 48000                       | 47000   | 185000  |      | 39000  | 61100                            | 106000 |      |      | 81.3                           |      | 24.4                                       |      |
| 351 Industrial chemicals                         |      | 89000                       | 119000  | 275000  |      | 32000  | 66000                            | 109000 |      |      | 36.0                           |      | 20.4                                       |      |
| 3511 Basic chemicals excl. fertilizers           |      | 3150                        | 2733    | 6422    |      | 1726   | 1343                             | 1378   |      |      | 54.8                           |      | 37.9                                       |      |
| 3512 Fertilizers and pesticides                  |      | 83967                       | 116076  | 262386  |      | 29369  | 63160                            | 104994 |      |      | 36.0                           |      | 18.8                                       |      |
| 3513 Synthetic resins and plastic materials      |      | 1768                        | 1103    | 6148    |      | 676    | 386                              | 3138   |      |      | 32.7                           |      | 61.9                                       |      |
| 352 Other chemicals                              |      | 303000                      | 298000  | 780000  |      | 139000 | 163000                           | 361000 |      |      | 46.9                           |      | 22.0                                       |      |
| 3521 Paints, varnishes and lacquers              |      | 26461                       | 27479   | 67194   |      | 11212  | 10266                            | 17818  |      |      | 44.0                           |      | 16.6                                       |      |
| 3522 Drugs and medicines                         |      | 130808                      | 160074  | 281646  |      | 82781  | 97637                            | 149676 |      |      | 63.3                           |      | 16.9                                       |      |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      | 121406                      | 83764   | 310499  |      | 37182  | 34237                            | 131124 |      |      | 30.6                           |      | 33.1                                       |      |
| 3529 Other chemical products                     |      | 26774                       | 27012   | 121209  |      | 7446   | 21084                            | 62826  |      |      | 28.9                           |      | 44.3                                       |      |
| 353 Petroleum refineries                         |      | 173000                      | 171000  | 268000  |      | 9600   | 13000                            | 23000  |      |      | 6.6                            |      | 17.1                                       |      |

|   |         |         |         |         |         |         |     |      |
|---|---------|---------|---------|---------|---------|---------|-----|------|
| 354 Misc petroleum and coal products            | 756     | 1072    | 2308    | 1000    | 246     | 960     | ... | 9.7  |
| 355 Rubber products                             | 74000   | 106090  | 108000  | 26000   | 63000   | 61000   | ... | 33.4 |
| 3551 Tyres and tubes                            | 51060   | 79092   | 78488   | 19829   | 41978   | 34863   | ... | 27.4 |
| 3559 Other rubber products                      | 23035   | 27228   | 29276   | 6191    | 11198   | 16433   | ... | 62.6 |
| 356 Plastic products                            | 99000   | 61000   | 210000  | 43000   | 29000   | 79000   | ... | 23.6 |
| 361 Pottery, china, earthenware                 | 11600   | 15000   | 26000   | 9000    | 12000   | 20000   | ... | 9.2  |
| 362 Glass and products                          | 43000   | 75000   | 72000   | 19600   | 34000   | 66000   | ... | 25.9 |
| 369 Other non-metallic mineral products         | 96000   | 162000  | 251000  | 47600   | 68000   | 131000  | ... | 20.0 |
| 3691 Structural clay products                   | 4606    | 2457    | 9688    | 2930    | 986     | 6026    | ... | 24.9 |
| 3692 Cement, lime and plaster                   | 48908   | 109033  | 148351  | 23979   | 37736   | 84669   | ... | 14.7 |
| 3699 Other non-metallic mineral products        | 41343   | 50412   | 93132   | 20621   | 29016   | 41266   | ... | 25.4 |
| 371 Iron and steel                              | 61000   | 120000  | 169000  | 24000   | 56000   | 68000   | ... | 13.1 |
| 372 Non-ferrous metals                          | 3000    | 3800    | 7000    | 510     | 860     | 880     | ... | 40.8 |
| 381 Fabricated metal products                   | 52000   | 72000   | 129000  | 27000   | 40000   | 62000   | ... | 23.2 |
| 3811 Cutlery, hand tools and general hardware   | 9377    | 10880   | 14472   | 5298    | 6488    | 5644    | ... | 24.6 |
| 3812 Furniture and fixtures primarily of metal  | 4522    | 4410    | 14462   | 1972    | 2379    | 6241    | ... | 37.0 |
| 3813 Structural metal products                  | 14469   | 18044   | 38969   | 8739    | 10691   | 18033   | ... | 31.3 |
| 3819 Other fabricated metal products            | 23559   | 38502   | 61636   | 10744   | 21762   | 34229   | ... | 14.0 |
| 382 Non-electrical machinery                    | 8100    | 18000   | 37000   | 4600    | 11000   | 16000   | ... | 43.1 |
| 3821 Engines and turbines                       | -       | -       | -       | -       | -       | -       | ... | -    |
| 3822 Agricultural machinery and equipment       | 583     | 438     | 3272    | 369     | 261     | 1172    | ... | 28.7 |
| 3823 Metal and wood working machinery           | -       | -       | -       | -       | -       | -       | ... | -    |
| 3824 Other special industrial machinery         | -       | -       | -       | -       | -       | -       | ... | -    |
| 3825 Office, computing and accounting machinery | 519     | 398     | 1724    | 376     | 610     | 1220    | ... | 68.4 |
| 3829 Other non-electrical machinery & equipment | 7056    | 17362   | 32346   | 3716    | 9791    | 13867   | ... | 42.6 |
| 383 Electrical machinery                        | 50000   | 46000   | 206000  | 22000   | 21000   | 76000   | ... | 17.6 |
| 3831 Electrical industrial machinery            | 4421    | 4977    | 9613    | 1062    | 1600    | 6134    | ... | 23.6 |
| 3832 Radio, television and communication equipm | 13758   | 12834   | 26818   | 5243    | 7978    | 8528    | ... | 23.1 |
| 3833 Electrical appliances and housewares       | -       | 290     | 469     | -       | 233     | 387     | ... | -    |
| 3839 Other electrical apparatus and supplies    | 31736   | 28076   | 168266  | 16724   | 10962   | 61860   | ... | 16.4 |
| 384 Transport equipment                         | 16000   | 22000   | 22000   | 4000    | 8700    | 8000    | ... | 30.4 |
| 3841 Shipbuilding and repairing                 | 46      | -       | 1400    | 29      | -       | 679     | ... | 79.3 |
| 3842 Railroad equipment                         | -       | -       | -       | -       | -       | -       | ... | -    |
| 3843 Motor vehicles                             | 6582    | 9668    | 12954   | 2180    | 4606    | 4787    | ... | 42.6 |
| 3844 Motorcycles and bicycles                   | 9246    | 12154   | 7645    | 1831    | 4182    | 2368    | ... | 14.4 |
| 3845 Aircraft                                   | -       | -       | -       | -       | -       | -       | ... | -    |
| 3849 Other transport equipment                  | -       | -       | -       | -       | -       | -       | ... | -    |
| 385 Professional and scientific equipment       | 3500    | 6000    | 10000   | 1000    | 2300    | 6000    | ... | 60.4 |
| 3851 Prof and scientific equipment n e c        | 3782    | 4470    | 7426    | 340     | 1410    | 3869    | ... | 76.9 |
| 3852 Photographic and optical goods             | 1376    | 1554    | 2731    | 667     | 894     | 1024    | ... | 41.2 |
| 3853 Watches and clocks                         | -       | -       | -       | -       | -       | -       | ... | -    |
| 390 Other manufacturing industries              | 8890    | 13000   | 31000   | 3700    | 8000    | 11000   | ... | 30.2 |
| 3901 Jewellery and related articles             | 2408    | 7526    | 12531   | 1404    | 6463    | 5641    | ... | 21.7 |
| 3902 Musical instruments                        | -       | -       | -       | -       | -       | -       | ... | -    |
| 3903 Sporting and athletic goods                | -       | -       | -       | -       | -       | -       | ... | -    |
| 3909 Manufacturing industries, n e c            | 6400    | 5461    | 18664   | 2331    | 2983    | 6636    | ... | 34.9 |
| 3 Total manufacturing                           | 2527256 | 3173872 | 5932308 | 1009410 | 1460196 | 2220840 | ... | 23.0 |

## Guatemala

| ISIC Industry                             | Note | Gross fixed capital formation |       |        |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|-------|--------|------|------|--|------|------|------|------|------|------|------|
|   |      | (thousand QUETZALES)          |       |        |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1987  | 1988   | 1989 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      | 20837                         | 20386 | 33752  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 313 Beverages                             |      | 3340                          | 5500  | 6676   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 314 Tobacco                               |      | 1267                          | 198   | 402    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 321 Textiles                              |      | 4620                          | 3915  | 8617   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 322 Wearing apparel, except footwear      |      | 993                           | 2160  | 8964   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 323 Leather and fur products              |      | 377                           | 682   | 1624   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 324 Footwear, except rubber or plastic    |      | 649                           | 526   | 1142   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 331 Wood products, except furniture       |      | 2414                          | 3678  | 6896   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 332 Furniture and fixtures, excl metal    |      | 61                            | 290   | 546    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 341 Paper and products                    |      | 1928                          | 2596  | 4603   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 342 Printing and publishing               |      | 6607                          | 4601  | 18110  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 351 Industrial chemicals                  |      | 3443                          | 1896  | 3919   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 352 Other chemicals                       |      | 7583                          | 9106  | 23829  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 353 Petroleum refineries                  |      | 963                           | 578   | 906    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 354 Misc. petroleum and coal products     |      | 5                             | 66    | 130    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 355 Rubber products                       |      | 3698                          | 3221  | 3281   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 356 Plastic products                      |      | 7803                          | 5884  | 9450   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 361 Pottery, china, earthenware           |      | 179                           | -     | 260    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 362 Glass and products                    |      | 2223                          | 1654  | 1588   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 369 Other non-metallic mineral products   |      | 4694                          | 6704  | 10386  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 371 Iron and steel                        |      | 132                           | 510   | 718    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 372 Non-ferrous metals                    |      | 11                            | -     | 106    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 381 Fabricated metal products             |      | 1125                          | 3128  | 2580   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 382 Non-electrical machinery              |      | 408                           | 100   | 205    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 383 Electrical machinery                  |      | 539                           | 723   | 3220   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 384 Transport equipment                   |      | 122                           | 278   | 263    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 386 Professional and scientific equipment |      | 217                           | 881   | 260    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 390 Other manufacturing industries        |      | 110                           | 75    | 179    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 3 Total manufacturing                     |      | 76268                         | 79132 | 152391 | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |

## HONDURAS

**Supplier of information:**

Dirección General de Estadística y Censos, Tegucigalpa.  
The index numbers of industrial production are compiled by the Departamento de Investigaciones Industriales, Banco Central de Honduras.

**Basic source of data:**

Annual industrial survey.

**Major deviations from current version of ISIC:**

Data collected under the national classification system have been reclassified by the national authorities to correspond approximately with the current version of the ISIC.

**Reference period (if not calendar year):****Scope:**

Registered establishments with 5 or more persons engaged.

**Method of enumeration:**

Individual site visits by enumerators.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Persons engaged refers to total number of persons engaged including homeworkers.

Output refers to gross output and is not adjusted for the cost of purchases of goods for resale without further processing.

Value added refers to total value added and is net of non-industrial costs.

Gross fixed capital formation excludes land and land improvements.

**Related national publications:**

Investigación Industrial (annual), published by the Dirección General de Estadística y Censos, Tegucigalpa.

## Honduras

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note   | Number of persons engaged |      |      |      | Note    | Wages and salaries paid to employees |         |      |      |
|--|------|--------------------------|------|------|------|--------|---------------------------|------|------|------|---------|--------------------------------------|---------|------|------|
|  |      | (numbers)                |      |      |      |        | (numbers)                 |      |      |      |         | (thousand LEMPIRAS)                  |         |      |      |
|  |      | 1985                     | 1987 | 1988 | 1989 |        | 1985                      | 1987 | 1988 | 1989 |         | 1985                                 | 1987    | 1988 | 1989 |
| 311/2 Food Products                              |      | 321                      | 439  | 532  |      | 16526  |                           |      |      |      | 102089  | 108253                               | 128706  |      |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 28                       | 35   | 37   |      | 2023   |                           |      |      |      | 10622   | 10438                                | 12496   |      |      |
| 3112 Dairy products                              |      | 22                       | 35   | 46   |      | 1041   |                           |      |      |      | 10394   | 11847                                | 13654   |      |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 6                        | 8    | 14   |      | 871    |                           |      |      |      | 3729    | 7198                                 | 9181    |      |      |
| 3114 Canning, preserving and processing of fish  |      | 12                       | 17   | 15   |      | 1171   |                           |      |      |      | 6517    | 6106                                 | 8678    |      |      |
| 3115 Vegetable and animal oils and fats          |      | 8                        | 8    | 8    |      | 2457   |                           |      |      |      | 16416   | 19371                                | 24134   |      |      |
| 3116 Grain mill products                         |      | 41                       | 51   | 65   |      | 904    |                           |      |      |      | 7727    | 8861                                 | 10189   |      |      |
| 3117 Bakery products                             |      | 141                      | 202  | 244  |      | 3272   |                           |      |      |      | 13660   | 17284                                | 19621   |      |      |
| 3118 Sugar factories and refineries              |      | 7                        | 7    | 7    |      | 2949   |                           |      |      |      | 19328   | 16121                                | 14787   |      |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 8                        | 10   | 13   |      | 284    |                           |      |      |      | 1706    | 1167                                 | 2166    |      |      |
| 3121 Other food products                         |      | 39                       | 53   | 68   |      | 1454   |                           |      |      |      | 10663   | 10111                                | 10641   |      |      |
| 3122 Prepared animal feeds                       |      | 9                        | 13   | 15   |      | 230    |                           |      |      |      | 2417    | 1922                                 | 3151    |      |      |
| 313 Beverages                                    |      | 22                       | 27   | 33   |      | 4099   |                           |      |      |      | 44228   | 48986                                | 55207   |      |      |
| 3131 Distilling, rectifying and blending spirits |      | 13                       | 16   | 16   |      | 2398a/ |                           |      |      |      | 20636a/ | 23092a/                              | 26418a/ |      |      |
| 3132 Wine industries                             |      | -                        | -    | -    |      | -      |                           |      |      |      | -       | -                                    | -       |      |      |
| 3133 Malt liquors and malt                       |      | 1                        | 1    | 1    |      | a/     |                           |      |      |      | a/      | a/                                   | a/      |      |      |
| 3134 Soft drinks and carbonated waters           |      | 8                        | 10   | 16   |      | 1701   |                           |      |      |      | 23592   | 25893                                | 28789   |      |      |
| 314 Tobacco                                      |      | 20                       | 19   | 25   |      | 2196   |                           |      |      |      | 14654   | 12038                                | 13046   |      |      |
| 321 Textiles                                     |      | 31                       | 36   | 39   |      | 4534   |                           |      |      |      | 17551   | 21062                                | 22476   |      |      |
| 3211 Spinning, weaving and finishing textiles    |      | 9                        | 13   | 15   |      | 3689   |                           |      |      |      | 12807   | 14386                                | 15611   |      |      |
| 3212 Made-up textile goods excl wearing apparel  |      | 6                        | 6    | 7    |      | 86     |                           |      |      |      | 232     | 175                                  | 232     |      |      |
| 3213 Knitting mills                              |      | 15                       | 15   | 15   |      | 836    |                           |      |      |      | 4423    | 6441                                 | 6707    |      |      |
| 3214 Carpets and rugs                            |      | -                        | -    | -    |      | -      |                           |      |      |      | -       | -                                    | -       |      |      |
| 3215 Cordage, rope and twine                     |      | 2                        | 2    | 2    |      | 23     |                           |      |      |      | 99      | 60                                   | 26      |      |      |
| 3219 Other textiles                              |      | -                        | -    | -    |      | -      |                           |      |      |      | -       | -                                    | -       |      |      |
| 322 Wearing apparel, except footwear             |      | 134                      | 114  | 129  |      | 4307   |                           |      |      |      | 21127   | 20848                                | 22918   |      |      |
| 323 Leather and fur products                     |      | 23                       | 22   | 23   |      | 606    |                           |      |      |      | 2487    | 2746                                 | 3233    |      |      |
| 3231 Tanneries and leather finishing             |      | -                        | -    | -    |      | -      |                           |      |      |      | -       | -                                    | -       |      |      |
| 3232 Fur dressing and dyeing industries          |      | 11                       | 11   | 12   |      | 209    |                           |      |      |      | 1521    | 1731                                 | 1946    |      |      |
| 3233 Leather prods excl wearing apparel          |      | 12                       | 11   | 11   |      | 396    |                           |      |      |      | 966     | 1014                                 | 1287    |      |      |
| 324 Footwear, except rubber or plastic           |      | 38                       | 45   | 51   |      | 1203   |                           |      |      |      | 3191    | 3602                                 | 4936    |      |      |
| 331 Wood products, except furniture              |      | 143                      | 170  | 191  |      | 9766   |                           |      |      |      | 45222   | 50933                                | 50542   |      |      |
| 3311 Sawmills, planing and other wood mills      |      | 88                       | 106  | 122  |      | 8326   |                           |      |      |      | 38827   | 43789                                | 44406   |      |      |
| 3312 Wooden and cane containers                  |      | 8                        | 9    | 9    |      | 182    |                           |      |      |      | 724     | 1236                                 | 1228    |      |      |
| 3319 Other wood and cork products                |      | 47                       | 55   | 60   |      | 1258   |                           |      |      |      | 6671    | 6909                                 | 4908    |      |      |
| 332 Furniture and fixtures, excl metal           |      | 90                       | 132  | 155  |      | 2588   |                           |      |      |      | 11546   | 12170                                | 11942   |      |      |
| 341 Paper and products                           |      | 15                       | 16   | 17   |      | 1431   |                           |      |      |      | 11060   | 13341                                | 15008   |      |      |
| 3411 Pulp, paper and paperboard articles         |      | -                        | -    | -    |      | -      |                           |      |      |      | -       | -                                    | -       |      |      |
| 3412 Containers of paper and paperboard          |      | 10                       | 10   | 11   |      | 1266   |                           |      |      |      | 9543    | 10848                                | 12117   |      |      |
| 3419 Other pulp, paper and paperboard articles   |      | 5                        | 6    | 6    |      | 175    |                           |      |      |      | 1507    | 2493                                 | 2891    |      |      |
| 342 Printing and publishing                      |      | 97                       | 102  | 114  |      | 2113   |                           |      |      |      | 16497   | 17906                                | 21110   |      |      |
| 351 Industrial chemicals                         |      | 8                        | 10   | 11   |      | 339    |                           |      |      |      | 1423    | 2148                                 | 2219    |      |      |
| 3511 Basic chemicals excl fertilizers            |      | 4                        | 5    | 5    |      | 245    |                           |      |      |      | 986     | 1284                                 | 1222    |      |      |
| 3512 Fertilizers and pesticides                  |      | 4                        | 5    | 6    |      | 94     |                           |      |      |      | 437     | 864                                  | 997     |      |      |
| 3513 Synthetic resins and plastic materials      |      | -                        | -    | -    |      | -      |                           |      |      |      | -       | -                                    | -       |      |      |
| 352 Other chemicals                              |      | 64                       | 65   | 62   |      | 7364   |                           |      |      |      | 20641   | 23136                                | 24209   |      |      |
| 3521 Paints, varnishes and lacquers              |      | 4                        | 4    | 4    |      | 139    |                           |      |      |      | 1427    | 2014                                 | 2251    |      |      |
| 3522 Drugs and medicines                         |      | 22                       | 22   | 21   |      | 608    |                           |      |      |      | 6316    | 7008                                 | 7032    |      |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 26                       | 23   | 22   |      | 1206   |                           |      |      |      | 8967    | 9968                                 | 10658   |      |      |
| 3529 Other chemical products                     |      | 12                       | 16   | 15   |      | 401    |                           |      |      |      | 3832    | 4115                                 | 4268    |      |      |
| 353 Petroleum refineries                         |      | 3                        | 3    | 3    |      | 212    |                           |      |      |      | 5796    | 4876                                 | 5561    |      |      |

|   |      |      |      |     |       |     |     |     |        |        |        |     |
|---|------|------|------|-----|-------|-----|-----|-----|--------|--------|--------|-----|
| 354 Misc. petroleum and coal products           | -    | -    | -    | ... | -     | -   | -   | ... | -      | -      | -      | ... |
| 355 Rubber products                             | 34   | 36   | 36   | ... | 1652  | ... | ... | ... | 7627   | 8474   | 10811  | ... |
| 3551 Tyres and tubes                            | 14   | 14   | 14   | ... | 259   | ... | ... | ... | 1698   | 1952   | 2168   | ... |
| 3559 Other rubber products                      | 20   | 22   | 22   | ... | 1393  | ... | ... | ... | 5929   | 6522   | 8643   | ... |
| 356 Plastic products                            | 29   | 28   | 31   | ... | 1715  | ... | ... | ... | 19974  | 21527  | 25849  | ... |
| 361 Pottery, china, earthenware                 | 6    | 7    | 7    | ... | 81    | ... | ... | ... | 317    | 408    | 403    | ... |
| 362 Glass and products                          | -    | -    | -    | ... | -     | ... | ... | ... | -      | -      | -      | ... |
| 369 Other non-metallic mineral products         | 82   | 79   | 88   | ... | 2371  | ... | ... | ... | 21394  | 26277  | 33881  | ... |
| 3691 Structural clay products                   | 23   | 25   | 27   | ... | 356   | ... | ... | ... | 1226   | 1293   | 1400   | ... |
| 3692 Cement, lime and plaster                   | 4    | 4    | 4    | ... | 603   | ... | ... | ... | 9473   | 10629  | 13611  | ... |
| 3699 Other non-metallic mineral products        | 55   | 50   | 57   | ... | 1412  | ... | ... | ... | 10695  | 14455  | 18970  | ... |
| 371 Iron and steel                              | 2    | 3    | 3    | ... | 229   | ... | ... | ... | 1192   | 2193   | 2360   | ... |
| 372 Non-ferrous metals                          | 2    | 4    | 4    | ... | 189   | ... | ... | ... | 1089   | 1192   | 1156   | ... |
| 381 Fabricated metal products                   | 68   | 69   | 74   | ... | 2651  | ... | ... | ... | 19008  | 21606  | 22206  | ... |
| 3811 Cutlery, hand tools and general hardware   | 4    | 4    | 5    | ... | 246   | ... | ... | ... | 1369   | 1246   | 1422   | ... |
| 3812 Furniture and fixtures primarily of metal  | 16   | 16   | 16   | ... | 750   | ... | ... | ... | 3070   | 3267   | 2727   | ... |
| 3813 Structural metal products                  | 32   | 28   | 31   | ... | 784   | ... | ... | ... | 7493   | 7581   | 7668   | ... |
| 3819 Other fabricated metal products            | 16   | 21   | 22   | ... | 181   | ... | ... | ... | 7074   | 9512   | 10489  | ... |
| 382 Non-electrical machinery                    | 27   | 25   | 27   | ... | 628   | ... | ... | ... | 4029   | 3499   | 4255   | ... |
| 3821 Engines and turbines                       | -    | -    | -    | ... | -     | ... | ... | ... | -      | -      | -      | ... |
| 3822 Agricultural machinery and equipment       | 5    | 6    | 7    | ... | 199   | ... | ... | ... | 1255   | 945    | 1613   | ... |
| 3823 Metal and wood working machinery           | -    | -    | -    | ... | -     | ... | ... | ... | -      | -      | -      | ... |
| 3824 Other special industrial machinery         | -    | -    | -    | ... | -     | ... | ... | ... | -      | -      | -      | ... |
| 3825 Office, computing and accounting machinery | -    | -    | -    | ... | -     | ... | ... | ... | -      | -      | -      | ... |
| 3829 Other non-electrical machinery & equipment | 22   | 19   | 20   | ... | 429   | ... | ... | ... | 2774   | 2554   | 2742   | ... |
| 383 Electrical machinery                        | 21   | 22   | 20   | ... | 767   | ... | ... | ... | 6232   | 7094   | 7172   | ... |
| 3831 Electrical industrial machinery            | 2    | 2    | 2    | ... | 17    | ... | ... | ... | 26     | 59     | 59     | ... |
| 3832 Radio, television and communication equipm | 7    | 7    | 5    | ... | 367   | ... | ... | ... | 2710   | 2678   | 2490   | ... |
| 3833 Electrical appliances and housewares       | -    | -    | -    | ... | -     | ... | ... | ... | -      | -      | -      | ... |
| 3839 Other electrical apparatus and supplies    | 12   | 13   | 13   | ... | 383   | ... | ... | ... | 3496   | 4357   | 4623   | ... |
| 384 Transport equipment                         | 18   | 23   | 24   | ... | 283   | ... | ... | ... | 1906   | 2933   | 2988   | ... |
| 3841 Shipbuilding and repairing                 | 4    | 5    | 6    | ... | 67    | ... | ... | ... | 980    | 907    | 1081   | ... |
| 3842 Railroad equipment                         | -    | -    | -    | ... | -     | ... | ... | ... | -      | -      | -      | ... |
| 3843 Motor vehicles                             | 9    | 13   | 13   | ... | 106   | ... | ... | ... | 599    | 1607   | 1475   | ... |
| 3844 Motorcycles and bicycles                   | 5    | 5    | 5    | ... | 91    | ... | ... | ... | 326    | 419    | 432    | ... |
| 3845 Aircraft                                   | -    | -    | -    | ... | -     | ... | ... | ... | -      | -      | -      | ... |
| 3849 Other transport equipment                  | -    | -    | -    | ... | -     | ... | ... | ... | -      | -      | -      | ... |
| 385 Professional and scientific equipment       | 14   | 12   | 12   | ... | 106   | ... | ... | ... | 779    | 1039   | 1126   | ... |
| 3851 Prof. and scientific equipment n e c       | -    | 1    | 1    | ... | 7     | ... | ... | ... | 41     | 70     | 136    | ... |
| 3852 Photographic and optical goods             | 13   | 10   | 10   | ... | 101   | ... | ... | ... | 736    | 969    | 990    | ... |
| 3853 Watches and clocks                         | 1    | 1    | 1    | ... | -     | ... | ... | ... | -      | -      | -      | ... |
| 390 Other manufacturing industries              | 48   | 60   | 71   | ... | 998   | ... | ... | ... | 5376   | 6533   | 7232   | ... |
| 3901 Jewellery and related articles             | 6    | 7    | 8    | ... | 38    | ... | ... | ... | 212    | 267    | 459    | ... |
| 3902 Musical instruments                        | -    | -    | -    | ... | -     | ... | ... | ... | -      | -      | -      | ... |
| 3903 Sporting and athletic goods                | 2    | 2    | 2    | ... | 46    | ... | ... | ... | 320    | 169    | 231    | ... |
| 3909 Manufacturing industries, n e c            | 40   | 51   | 61   | ... | 914   | ... | ... | ... | 4844   | 6197   | 6542   | ... |
| 3 Total manufacturing                           | 1360 | 1568 | 1782 | ... | 64025 | ... | ... | ... | 406330 | 444916 | 500541 | ... |

a/ 3131 includes 3133

## Honduras

| ISIC Industry                                    | Note | Output in factor values |          |          |      | Note    | Value added in factor values |          |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-------------------------|----------|----------|------|---------|------------------------------|----------|------|------|--------------------------------|------|--|------|
|  |      | (thousand LEMPIRAS)     |          |          |      |         | (thousand LEMPIRAS)          |          |      |      | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                    | 1987     | 1988     | 1989 |         | 1985                         | 1987     | 1988 | 1989 | 1985                           | 1989 | 1985                                       | 1989 |
| 311/2 Food Products                              |      | 1115182                 | 1274627  | 1512401  |      | 258463  | 289433                       | 360138   |      | 23.2 |                                | 39.5 |  |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 138285                  | 170155   | 215533   |      | 20310   | 24780                        | 31859    |      | 14.7 |                                | 52.3 |  |      |
| 3112 Dairy products                              |      | 90514                   | 113251   | 131208   |      | 22172   | 23393                        | 21729    |      | 24.6 |                                | 46.9 |  |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 31164                   | 49229    | 60504    |      | 8368    | 14682                        | 15668    |      | 26.9 |                                | 44.6 |  |      |
| 3114 Canning, preserving and processing of fish  |      | 97059                   | 94999    | 114247   |      | 9981    | 12277                        | 24411    |      | 10.3 |                                | 55.3 |  |      |
| 3115 Vegetable and animal oils and fats          |      | 167473                  | 190883   | 213974   |      | 47645   | 48514                        | 77303    |      | 28.4 |                                | 34.5 |  |      |
| 3116 Grain mill products                         |      | 154843                  | 204437   | 245860   |      | 36727   | 42851                        | 48870    |      | 23.7 |                                | 21.0 |  |      |
| 3117 Bakery products                             |      | 104112                  | 120119   | 150536   |      | 22726   | 31262                        | 35152    |      | 21.8 |                                | 59.8 |  |      |
| 3118 Sugar factories and refineries              |      | 175034                  | 175508   | 159285   |      | 57676   | 56361                        | 62447    |      | 33.0 |                                | 33.5 |  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 14241                   | 13412    | 20049    |      | 3347    | 3022                         | 4406     |      | 23.5 |                                | 51.0 |  |      |
| 3121 Other food products                         |      | 86511                   | 83130    | 110724   |      | 18098   | 18709                        | 24081    |      | 20.9 |                                | 58.9 |  |      |
| 3122 Prepared animal feeds                       |      | 55946                   | 59504    | 90481    |      | 11413   | 13592                        | 13312    |      | 20.4 |                                | 21.2 |  |      |
| 313 Beverages                                    |      | 306347                  | 365579   | 416932   |      | 157000  | 176745                       | 206205   |      | 51.2 |                                | 28.2 |  |      |
| 3131 Distilling, rectifying and blending spirits |      | 166444a/                | 185772a/ | 217144a/ |      | 82829a/ | 89055a/                      | 107153a/ |      | 49.8 |                                | 24.9 |  |      |
| 3132 Wine industries                             |      | -                       | -        | -        |      | -       | -                            | -        |      | -    |                                | -    |  |      |
| 3133 Malt liquors and malt                       |      | a/                      | a/       | a/       |      | a/      | a/                           | a/       |      | -    |                                | -    |  |      |
| 3134 Soft drinks and carbonated waters           |      | 139903                  | 179807   | 199788   |      | 74171   | 87691                        | 99052    |      | 53.0 |                                | 31.8 |  |      |
| 314 Tobacco                                      |      | 124580                  | 109304   | 121673   |      | 83082   | 77676                        | 79519    |      | 66.7 |                                | 17.6 |  |      |
| 321 Textiles                                     |      | 99948                   | 95071    | 117180   |      | 26283   | 33794                        | 43196    |      | 26.3 |                                | 66.8 |  |      |
| 3211 Spinning, weaving and finishing textiles    |      | 83276                   | 77327    | 93417    |      | 20024   | 25216                        | 32383    |      | 24.0 |                                | 64.0 |  |      |
| 3212 Made-up textile goods excl. wearing apparel |      | 492                     | 1184     | 1354     |      | 323     | 337                          | 458      |      | 65.7 |                                | 71.8 |  |      |
| 3213 Knitting mills                              |      | 15336                   | 16046    | 22243    |      | 5784    | 8159                         | 10319    |      | 37.7 |                                | 76.5 |  |      |
| 3214 Carpets and rugs                            |      | -                       | -        | -        |      | -       | -                            | -        |      | -    |                                | -    |  |      |
| 3215 Cordage, rope and twine                     |      | 844                     | 514      | 166      |      | 152     | 82                           | 36       |      | 18.0 |                                | 65.1 |  |      |
| 3219 Other textiles                              |      | -                       | -        | -        |      | -       | -                            | -        |      | -    |                                | -    |  |      |
| 322 Wearing apparel, except footwear             |      | 72921                   | 68464    | 81818    |      | 28668   | 27011                        | 31317    |      | 39.3 |                                | 73.7 |  |      |
| 323 Leather and fur products                     |      | 18061                   | 20274    | 23308    |      | 4577    | 5390                         | 6307     |      | 25.3 |                                | 54.3 |  |      |
| 3231 Tanneries and leather finishing             |      | -                       | -        | -        |      | -       | -                            | -        |      | -    |                                | -    |  |      |
| 3232 Fur dressing and dyeing industries          |      | 12626                   | 14675    | 17236    |      | 2900    | 3519                         | 4026     |      | 23.0 |                                | 52.4 |  |      |
| 3233 Leather prods. excl. wearing apparel        |      | 5435                    | 5599     | 6072     |      | 1677    | 1871                         | 2281     |      | 30.9 |                                | 57.6 |  |      |
| 324 Footwear, except rubber or plastic           |      | 13241                   | 17994    | 23940    |      | 4683    | 6542                         | 7857     |      | 36.4 |                                | 68.1 |  |      |
| 331 Wood products, except furniture              |      | 183550                  | 238230   | 258066   |      | 59390   | 70404                        | 61808    |      | 32.4 |                                | 76.1 |  |      |
| 3311 Sawmills, planing and other wood mills      |      | 155578                  | 200210   | 221212   |      | 50693   | 59884                        | 53132    |      | 32.6 |                                | 76.6 |  |      |
| 3312 Wooden and cane containers                  |      | 3197                    | 5306     | 5308     |      | 1417    | 2159                         | 2340     |      | 44.3 |                                | 51.1 |  |      |
| 3319 Other wood and cork products                |      | 24775                   | 32714    | 31546    |      | 7280    | 8361                         | 6336     |      | 29.4 |                                | 77.9 |  |      |
| 332 Furniture and fixtures, excl. metal          |      | 39824                   | 54292    | 59736    |      | 15731   | 16325                        | 19254    |      | 39.5 |                                | 73.4 |  |      |
| 341 Paper and products                           |      | 107838                  | 131956   | 155434   |      | 18614   | 25266                        | 29999    |      | 17.3 |                                | 59.4 |  |      |
| 3411 Pulp, paper and paperboard articles         |      | -                       | -        | -        |      | -       | -                            | -        |      | -    |                                | -    |  |      |
| 3412 Containers of paper and paperboard          |      | 97295                   | 110139   | 129189   |      | 15287   | 18720                        | 22119    |      | 15.7 |                                | 62.4 |  |      |
| 3419 Other pulp, paper and paperboard articles   |      | 10543                   | 21827    | 26245    |      | 3327    | 6546                         | 7880     |      | 31.6 |                                | 46.3 |  |      |
| 342 Printing and publishing                      |      | 56064                   | 59944    | 80121    |      | 26466   | 27700                        | 31395    |      | 47.2 |                                | 62.3 |  |      |
| 351 Industrial chemicals                         |      | 7756                    | 17401    | 14131    |      | 3086    | 5481                         | 5663     |      | 39.8 |                                | 46.1 |  |      |
| 3511 Basic chemicals excl. fertilizers           |      | 4348                    | 6950     | 6536     |      | 2080    | 3563                         | 3538     |      | 47.8 |                                | 47.4 |  |      |
| 3512 Fertilizers and pesticides                  |      | 3408                    | 10451    | 7595     |      | 1006    | 1918                         | 2125     |      | 29.5 |                                | 43.4 |  |      |
| 3513 Synthetic resins and plastic materials      |      | -                       | -        | -        |      | -       | -                            | -        |      | -    |                                | -    |  |      |
| 352 Other chemicals                              |      | 158027                  | 183749   | 201449   |      | 40345   | 49056                        | 52759    |      | 25.5 |                                | 50.9 |  |      |
| 3521 Paints, varnishes and lacquers              |      | 20304                   | 24789    | 30013    |      | 3553    | 4458                         | 4905     |      | 17.5 |                                | 40.2 |  |      |
| 3522 Drugs and medicines                         |      | 37641                   | 44655    | 42278    |      | 12170   | 12193                        | 13827    |      | 32.3 |                                | 61.9 |  |      |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      | 79820                   | 86110    | 98322    |      | 17974   | 22756                        | 24292    |      | 22.5 |                                | 49.9 |  |      |
| 3529 Other chemical products                     |      | 20262                   | 28195    | 30836    |      | 6648    | 9649                         | 9736     |      | 32.8 |                                | 67.6 |  |      |
| 353 Petroleum refineries                         |      | 412782                  | 423243   | 451996   |      | 76216   | 71712                        | 78160    |      | 18.5 |                                | 7.6  |  |      |



|  |         |         |         |     |        |         |         |     |      |     |      |
|--|---------|---------|---------|-----|--------|---------|---------|-----|------|-----|------|
| 354 Misc petroleum and coal products             | -       | -       | -       | -   | -      | -       | -       | -   | -    | -   | -    |
| 355 Rubber products                              | 50199   | 59973   | 70222   | ... | 15702  | 16060   | 19618   | ... | 31.3 | ... | 40.6 |
| 3551 Tyres and tubes                             | 10744   | 11939   | 13482   | ... | 3468   | 3423    | 3900    | ... | 32.3 | ... | 49.0 |
| 3559 Other rubber products                       | 39455   | 48034   | 56740   | ... | 12234  | 12637   | 16718   | ... | 31.0 | ... | 48.5 |
| 356 Plastic products                             | 96966   | 118300  | 144378  | ... | 36706  | 42493   | 48103   | ... | 37.9 | ... | 54.4 |
| 361 Pottery, china, earthenware                  | 962     | 1699    | 2206    | ... | 355    | 576     | 832     | ... | 36.9 | ... | 89.3 |
| 362 Glass and products                           | -       | -       | -       | ... | -      | -       | -       | ... | -    | ... | -    |
| 369 Other non-metallic mineral products          | 121238  | 153737  | 204501  | ... | 48164  | 58398   | 78986   | ... | 39.7 | ... | 44.4 |
| 3691 Structural clay products                    | 4024    | 4734    | 5091    | ... | 1533   | 1788    | 1850    | ... | 38.1 | ... | 80.0 |
| 3692 Cement, lime and plaster                    | 62573   | 75544   | 97318   | ... | 27016  | 32800   | 45790   | ... | 43.2 | ... | 35.1 |
| 3699 Other non-metallic mineral products         | 54641   | 73359   | 102092  | ... | 19616  | 23800   | 31345   | ... | 36.9 | ... | 54.5 |
| 371 Iron and steel                               | 10190   | 18275   | 24551   | ... | 2070   | 6216    | 8003    | ... | 20.3 | ... | 57.6 |
| 372 Non-ferrous metals                           | 3740    | 3641    | 3763    | ... | 2063   | 1783    | 1860    | ... | 55.2 | ... | 62.8 |
| 381 Fabricated metal products                    | 129497  | 138069  | 167030  | ... | 42233  | 47555   | 48308   | ... | 32.6 | ... | 45.0 |
| 3811 Cutlery, hand tools and general hardware    | 5745    | 6513    | 8992    | ... | 2585   | 2440    | 3362    | ... | 45.8 | ... | 51.0 |
| 3812 Furniture and fixtures primarily of metal   | 12656   | 15818   | 14556   | ... | 4861   | 6085    | 5367    | ... | 38.4 | ... | 63.2 |
| 3813 Structural metal products                   | 47924   | 34096   | 42128   | ... | 13573  | 11650   | 13086   | ... | 28.3 | ... | 85.2 |
| 3819 Other fabricated metal products             | 63172   | 81642   | 91354   | ... | 21113  | 27480   | 26493   | ... | 33.4 | ... | 33.5 |
| 382 Non-electrical machinery                     | 17508   | 19976   | 27789   | ... | 6958   | 5889    | 8981    | ... | 39.5 | ... | 57.9 |
| 3821 Engines and turbines                        | -       | -       | -       | ... | -      | -       | -       | ... | -    | ... | -    |
| 3822 Agricultural machinery and equipment        | 5094    | 3558    | 5432    | ... | 1677   | 1669    | 2327    | ... | 32.9 | ... | 74.8 |
| 3823 Metal and wood working machinery            | -       | -       | -       | ... | -      | -       | -       | ... | -    | ... | -    |
| 3824 Other special industrial machinery          | -       | -       | -       | ... | -      | -       | -       | ... | -    | ... | -    |
| 3825 Office, computing and accounting machinery  | -       | -       | -       | ... | -      | -       | -       | ... | -    | ... | -    |
| 3829 Other non-electrical machinery & equipment  | 12514   | 16418   | 22357   | ... | 5281   | 5320    | 6654    | ... | 42.2 | ... | 52.5 |
| 383 Electrical machinery                         | 44059   | 50517   | 54023   | ... | 15324  | 15726   | 16636   | ... | 34.8 | ... | 40.7 |
| 3831 Electrical industrial machinery             | 401     | 273     | 285     | ... | 58     | 185     | 197     | ... | 14.5 | ... | 44.8 |
| 3832 Radio, television and communication equipm. | 18996   | 19990   | 16136   | ... | 5943   | 5793    | 4748    | ... | 31.3 | ... | 45.5 |
| 3833 Electrical appliances and housewares        | -       | -       | -       | ... | -      | -       | -       | ... | -    | ... | -    |
| 3839 Other electrical apparatus and supplies     | 24660   | 30254   | 37602   | ... | 9323   | 9748    | 11691   | ... | 37.8 | ... | 37.5 |
| 384 Transport equipment                          | 6959    | 12397   | 12352   | ... | 3340   | 5024    | 5312    | ... | 48.0 | ... | 57.0 |
| 3841 Shipbuilding and repairing                  | 1846    | 1945    | 2120    | ... | 1337   | 1076    | 1207    | ... | 72.4 | ... | 73.3 |
| 3842 Railroad equipment                          | -       | -       | -       | ... | -      | -       | -       | ... | -    | ... | -    |
| 3843 Motor vehicles                              | 1914    | 5992    | 5653    | ... | 838    | 2573    | 2496    | ... | 43.8 | ... | 71.5 |
| 3844 Motorcycles and bicycles                    | 3199    | 4460    | 4579    | ... | 1165   | 1375    | 1609    | ... | 36.4 | ... | 28.0 |
| 3845 Aircraft                                    | -       | -       | -       | ... | -      | -       | -       | ... | -    | ... | -    |
| 3849 Other transport equipment                   | -       | -       | -       | ... | -      | -       | -       | ... | -    | ... | -    |
| 385 Professional and scientific equipment        | 3582    | 4136    | 5240    | ... | 1770   | 2035    | 2185    | ... | 49.4 | ... | 44.0 |
| 3851 Prof and scientific equipment n.e.c.        | 213     | 467     | 531     | ... | 78     | 201     | 230     | ... | 36.6 | ... | 62.6 |
| 3852 Photographic and optical goods              | 3369    | 3689    | 4709    | ... | 1692   | 1834    | 1965    | ... | 50.2 | ... | 43.6 |
| 3853 Watches and clocks                          | -       | -       | -       | ... | -      | -       | -       | ... | -    | ... | -    |
| 390 Other manufacturing industries               | 21527   | 31252   | 37721   | ... | 9654   | 11947   | 13450   | ... | 44.8 | ... | 55.7 |
| 3901 Jewellery and related articles              | 909     | 833     | 1127    | ... | 377    | 432     | 644     | ... | 41.5 | ... | 58.2 |
| 3902 Musical instruments                         | -       | -       | -       | ... | -      | -       | -       | ... | -    | ... | -    |
| 3903 Sporting and athletic goods                 | 815     | 848     | 728     | ... | 452    | 266     | 293     | ... | 55.5 | ... | 70.8 |
| 3909 Manufacturing industries, n.e.c.            | 19803   | 29571   | 35866   | ... | 8825   | 11249   | 12513   | ... | 44.6 | ... | 54.9 |
| 3 Total manufacturing                            | 3222648 | 3672110 | 4261960 | ... | 986942 | 1096238 | 1266840 | ... | 30.6 | ... | 41.2 |

a/ 3131 includes 3133

## Honduras

| ISIC Industry                             | Gross fixed capital formation |                     |      |      | Index numbers of industrial production |      |            |      |      |      |      |      |      |      |      |  |
|---|-------------------------------|---------------------|------|------|--|------|------------|------|------|------|------|------|------|------|------|--|
|   | Note                          | (thousand LEMPIRAS) |      |      |  | Note | (1980=100) |      |      |      |      |      |      |      |      |  |
|   |                               | 1985                | 1987 | 1988 | 1989                                   |      | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |  |
| 311/2 Food Products                       |                               | ...                 | ...  | ...  | ...                                    |      | 119        | 124  | 123  | 129  | 138  | 157  | 198  | 246  | 270  |  |
| 313 Beverages                             |                               | ...                 | ...  | ...  | ...                                    |      | 123        | 140  | 149  | 160  | 160  | 159  | 185  | 248  | 296  |  |
| 314 Tobacco                               |                               | ...                 | ...  | ...  | ...                                    |      | 152        | 132  | 129  | 128  | 128  | 146  | 206  | 254  | 349  |  |
| 321 Textiles                              |                               | ...                 | ...  | ...  | ...                                    | a/   | 141        | 165  | 158  | 141  | 149  | 170  | 232  | 324  | 372  |  |
| 322 Wearing apparel, except footwear      |                               | ...                 | ...  | ...  | ...                                    | a/   | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 323 Leather and fur products              |                               | ...                 | ...  | ...  | ...                                    | b/   | 134        | 145  | 147  | 148  | 152  | 166  | 208  | 271  | 311  |  |
| 324 Footwear, except rubber or plastic    |                               | ...                 | ...  | ...  | ...                                    | b/   | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 331 Wood products, except furniture       |                               | ...                 | ...  | ...  | ...                                    | c/   | 145        | 149  | 161  | 169  | 188  | 216  | 301  | 418  | 576  |  |
| 332 Furniture and fixtures, excl. metal   |                               | ...                 | ...  | ...  | ...                                    | c/   | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 341 Paper and products                    |                               | ...                 | ...  | ...  | ...                                    |      | 137        | 130  | 129  | 127  | 146  | 193  | 222  | 285  | 287  |  |
| 342 Printing and publishing               |                               | ...                 | ...  | ...  | ...                                    |      | 114        | 136  | 132  | 127  | 138  | 148  | 109  | 113  | 128  |  |
| 351 Industrial chemicals                  |                               | ...                 | ...  | ...  | ...                                    | d/   | 119        | 120  | 120  | 119  | 129  | 151  | 211  | 310  | 365  |  |
| 352 Other chemicals                       |                               | ...                 | ...  | ...  | ...                                    | d/   | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 353 Petroleum refineries                  |                               | ...                 | ...  | ...  | ...                                    |      | 110        | 165  | 153  | 155  | 151  | 154  | 237  | 278  | 203  |  |
| 354 Misc. petroleum and coal products     |                               | ...                 | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 355 Rubber products                       |                               | ...                 | ...  | ...  | ...                                    |      | 105        | 98   | 96   | 100  | 147  | 180  | 189  | 260  | 266  |  |
| 356 Plastic products                      |                               | ...                 | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 361 Pottery, china, earthenware           |                               | ...                 | ...  | ...  | ...                                    | e/   | 127        | 108  | 106  | 105  | 111  | 116  | 121  | 191  | 177  |  |
| 362 Glass and products                    |                               | ...                 | ...  | ...  | ...                                    | e/   | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 369 Other non-metallic mineral products   |                               | ...                 | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 371 Iron and steel                        |                               | ...                 | ...  | ...  | ...                                    |      | 105        | 106  | 97   | 99   | 108  | 137  | 196  | 231  | 222  |  |
| 372 Non-ferrous metals                    |                               | ...                 | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 381 Fabricated metal products             |                               | ...                 | ...  | ...  | ...                                    | f/   | 101        | 80   | 88   | 90   | 108  | 151  | 227  | 244  | 255  |  |
| 382 Non-electrical machinery              |                               | ...                 | ...  | ...  | ...                                    | f/   | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 383 Electrical machinery                  |                               | ...                 | ...  | ...  | ...                                    | g/   | 157        | 150  | 159  | 177  | 203  | 247  | 346  | 387  | 560  |  |
| 384 Transport equipment                   |                               | ...                 | ...  | ...  | ...                                    | g/   | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 385 Professional and scientific equipment |                               | ...                 | ...  | ...  | ...                                    | g/   | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 390 Other manufacturing industries        |                               | ...                 | ...  | ...  | ...                                    |      | 106        | 106  | 108  | 119  | 151  | 159  | 230  | 278  | 281  |  |
| 3 Total manufacturing                     |                               | ...                 | ...  | ...  | ...                                    |      | 126        | 133  | 134  | 135  | 145  | 164  | 211  | 275  | 317  |  |

a/ 321 includes 322  
c/ 331 includes 332  
e/ 351 includes 359  
g/ 383 includes 384 and 385

b/ 323 includes 324  
d/ 351 includes 352  
f/ 381 includes 382

## HONG KONG

**Supplier of information:**

Census and Statistics Department, Hong Kong.

**Basic source of data:**

Annual survey.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):**

For establishments that do not have data available for the calendar year data may be supplied for any 12 month period between 1 January of the reference year and 31 March of the following year.

**Scope:**

All establishments listed in a comprehensive and up-to-date register maintained by the Census and Statistics Department of Hong Kong.

**Method of enumeration:**

Questionnaires are mailed to a sample of establishments for completion. Staff of the Census and Statistics Department visit these establishments to collect completed questionnaires or to assist with their completion.

**Adjusted for non-response:**

Yes

**Concepts and definitions of variables:**

Wages and salaries relates to cash payments only. It excludes payments in kind and includes severance and termination pay;

Value added refers to total value added, i.e. the contribution to gross domestic product.

... denotes data suppressed because of confidentiality rules, except for ISIC 353 and 354 in 1991.

**Related national publications:**

Report on the Survey of Industrial Production (annual); Hong Kong Monthly Digest of Statistics; Hong Kong Annual Digest of Statistics, all published by the Census and Statistics Department, Hong Kong.

Hong Kong

| ISIC Industry                                    | Number of establishments |           |      |      | Number of persons engaged |      |             |       | Wages and salaries paid to employees |       |      |                   |        |       |        |
|--|--------------------------|-----------|------|------|---------------------------|------|-------------|-------|--------------------------------------|-------|------|-------------------|--------|-------|--------|
|  | Note                     | (numbers) |      |      |                           | Note | (thousands) |       |                                      |       | Note | (million DOLLARS) |        |       |        |
|  |                          | 1985      | 1989 | 1990 | 1991                      |      | 1985        | 1989  | 1990                                 | 1991  |      | 1985              | 1989   | 1990  | 1991   |
| 311/2 Food Products                              |                          | 857       | 928  | 946  | 838                       |      | 18.5        | 18.7  | 21.0                                 | 21.3  |      | 689               | 1142   | 1476  | 1786   |
| 3111 Slaughtering, preparing & preserving meat   |                          | 129       | 131  | 178  | 164                       |      | 1.8         | 1.8   | 2.8                                  | 3.0   |      | 78                | 106    | 196   | 232    |
| 3112 Dairy products                              |                          | 13        | 14   | 12   | 12                        |      | 1.5         | 1.6   | 1.6                                  | 1.6   |      | 78                | 122    | 160   | 162    |
| 3113 Canning, preserving of fruits & vegetables  |                          | 57        | 32   | 19   | 12                        |      | 1.0         | 0.8   | 0.5                                  | 0.4   |      | 33                | 39     | 34    | 33     |
| 3114 Canning, preserving and processing of fish  |                          | 106       | 146  | 124  | 133                       |      | 1.3         | 1.8   | 1.3                                  | 1.9   |      | 43                | 103    | 94    | 144    |
| 3115 Vegetable and animal oils and fats          |                          | 6         | 5    | 16   | 4                         |      | 0.6         | 0.6   | 0.6                                  | 0.5   |      | 26                | 33     | 45    | 46     |
| 3116 Grain mill products                         |                          | 45        | 58   | 51   | 60                        |      | 0.6         | 0.6   | 0.7                                  | 0.6   |      | 21                | 34     | 48    | 31     |
| 3117 Bakery products                             |                          | 301       | 367  | 353  | 278                       |      | 6.8         | 8.3   | 7.4                                  | 6.3   |      | 226               | 372    | 468   | 491    |
| 3118 Sugar factories and refineries              |                          | 13        | 3    | 2    | 2                         |      | 0.2         | 0.1   | 0.1                                  | 0.2   |      | 9                 | 10     | ...   | ...    |
| 3119 Cocoa, chocolate and sugar confectionery    |                          | 20        | 20   | 17   | 19                        |      | 0.6         | 1.1   | 0.6                                  | 0.6   |      | 13                | 56     | ...   | 40     |
| 3121 Other food products                         |                          | 136       | 138  | 162  | 148                       |      | 3.6         | 3.6   | 5.3                                  | 6.2   |      | 142               | 282    | 381   | 578    |
| 3122 Prepared animal feeds                       |                          | 31        | 15   | 12   | 7                         |      | 0.6         | 0.3   | 0.2                                  | 0.2   |      | 22                | 17     | 18    | ...    |
| 313 Beverages                                    |                          | 16        | 21   | 21   | 12                        |      | 4.8         | 4.9   | 5.0                                  | 4.6   |      | 260               | 437    | 606   | 636    |
| 3131 Distilling, rectifying and blending spirits |                          | 6         | 9    | 10   | 2                         |      | 0.1         | 0.1   | 0.2                                  | ...   |      | ...               | ...    | ...   | ...    |
| 3132 Wine industries                             |                          | -         | -    | -    | -                         |      | -           | -     | -                                    | -     |      | -                 | -      | -     | -      |
| 3133 Malt liquors and malt                       |                          | 2         | 2    | 2    | 2                         |      | 1.2         | 1.2   | 1.3                                  | 1.4   |      | ...               | ...    | ...   | ...    |
| 3134 Soft drinks and carbonated waters           |                          | 8         | 10   | 9    | 8                         |      | 3.5         | 3.6   | 3.6                                  | 3.4   |      | 177               | 318    | 367   | 401    |
| 314 Tobacco                                      |                          | 3         | 5    | 4    | 4                         |      | 1.1         | 1.2   | 1.3                                  | 1.4   |      | 68                | 113    | 166   | 202    |
| 321 Textiles                                     |                          | 4799      | 5114 | 5556 | 4684                      |      | 113.9       | 126.1 | 112.6                                | 99.2  |      | 4666              | 8346   | 8346  | 8193   |
| 3211 Spinning, weaving and finishing textiles    |                          | 1839      | 2074 | 2387 | 1861                      |      | 56.0        | 59.1  | 55.0                                 | 48.2  |      | 2279a/            | 4234a/ | 4401  | 4326a/ |
| 3212 Made-up textile goods excl. wearing apparel |                          | 471       | 758  | 1116 | 967                       |      | 6.9         | 7.3   | 7.4                                  | 6.2   |      | 418               | 219    | 392   | 364    |
| 3213 Knitting mills                              |                          | 1961      | 2008 | 1832 | 1679                      |      | 49.0        | 56.6  | 47.8                                 | 42.8  |      | 1966              | 3603   | 3374  | 3265   |
| 3214 Carpets and rugs                            |                          | -         | 14   | 9    | 9                         |      | -           | 0.7   | 0.6                                  | 0.6   |      | -                 | 47     | 47    | 41     |
| 3215 Cordage, rope and twine                     |                          | 8         | 86   | 82   | 68                        |      | 0.1         | 0.4   | 0.4                                  | 0.3   |      | -                 | 18     | 18    | 13     |
| 3219 Other textiles                              |                          | 530       | 194  | 130  | 110                       |      | 3.0         | 1.9   | 1.4                                  | 1.2   |      | 101               | 120    | 113   | 86     |
| 322 Wearing apparel, except footwear             |                          | 9704      | 9768 | 9217 | 7662                      |      | 276.3       | 236.7 | 224.4                                | 189.6 |      | 9678              | 13162  | 13469 | 12777  |
| 323 Leather and fur products                     |                          | 287       | 232  | 282  | 206                       |      | 4.5         | 2.8   | 2.7                                  | 2.0   |      | 167               | 164    | 161   | 131    |
| 3231 Tanneries and leather finishing             |                          | 65        | 62   | 41   | 26                        |      | 1.3         | 1.1   | 0.7                                  | 0.6   |      | 50                | 58     | 51    | 41     |
| 3232 Fur dressing and dyeing industries          |                          | -         | -    | -    | -                         |      | -           | -     | -                                    | -     |      | -                 | -      | -     | -      |
| 3233 Leather prods. excl. wearing apparel        |                          | 222       | 170  | 241  | 180                       |      | 3.2         | 1.8   | 2.0                                  | 1.5   |      | 107               | 96     | 110   | 90     |
| 324 Footwear, except rubber or plastic           |                          | 661       | 405  | 371  | 234                       |      | 10.8        | 7.1   | 3.9                                  | 2.6   |      | 393               | 369    | 204   | 167    |
| 331 Wood products, except furniture              |                          | 1106      | 758  | 723  | 583                       |      | 5.6         | 4.0   | 3.6                                  | 2.6   |      | 146               | 170    | 175   | 134    |
| 3311 Sawmills, planing and other wood mills      |                          | 165       | 106  | 119  | 82                        |      | 1.5         | 1.1   | 1.1                                  | 1.0   |      | 52                | 71     | 79    | 73     |
| 3312 Wooden and cane containers                  |                          | 436       | 292  | 282  | 213                       |      | 2.1         | 1.2   | 1.1                                  | 0.8   |      | 44                | 43     | 45    | 36     |
| 3319 Other wood and cork products                |                          | 506       | 361  | 322  | 288                       |      | 2.0         | 1.6   | 1.2                                  | 0.7   | a/   | 46                | 56     | 49    | 23     |
| 332 Furniture and fixtures, excl. metal          |                          | 1318      | 1196 | 986  | 768                       |      | 9.2         | 7.1   | 5.3                                  | 3.9   |      | 304               | 384    | 340   | 267    |
| 341 Paper and products                           |                          | 1334      | 1886 | 1764 | 1517                      |      | 12.9        | 18.5  | 16.8                                 | 14.8  |      | 438               | 1161   | 1171  | 1202   |
| 3411 Pulp, paper and paperboard articles         |                          | 60        | 53   | 43   | 43                        |      | 1.8         | 1.3   | 1.3                                  | 1.2   |      | 76                | 94     | 113   | 126    |
| 3412 Containers of paper and paperboard          |                          | 993       | 1332 | 1276 | 1147                      |      | 9.1         | 12.8  | 11.8                                 | 10.1  |      | 304               | 806    | 832   | 810    |
| 3419 Other pulp, paper and paperboard articles   |                          | 281       | 501  | 445  | 327                       |      | 2.1         | 4.3   | 3.7                                  | 3.4   |      | 59                | 251    | 228   | 266    |
| 342 Printing and publishing                      |                          | 4029      | 4793 | 4996 | 4978                      |      | 36.6        | 40.1  | 42.0                                 | 41.2  |      | 1455              | 2661   | 3194  | 3606   |
| 351 Industrial chemicals                         |                          | 317       | 338  | 360  | 262                       |      | 2.7         | 2.9   | 3.0                                  | 2.3   |      | 109               | 219    | 232   | 260    |
| 3511 Basic chemicals excl. fertilizers           |                          | 56        | 54   | 65   | 51                        |      | 0.9         | 0.9   | 1.0                                  | 0.9   |      | 56                | 88     | 100   | 123    |
| 3512 Fertilizers and pesticides                  |                          | 8         | 6    | 3    | 4                         |      | 0.2         | 0.1   | 0.1                                  | -     |      | 7                 | 6      | 4     | 3      |
| 3513 Synthetic resins and plastic materials      |                          | 255       | 278  | 292  | 197                       |      | 1.6         | 1.9   | 1.9                                  | 1.4   |      | 46                | 126    | 128   | 134    |
| 352 Other chemicals                              |                          | 568       | 527  | 464  | 434                       |      | 6.0         | 6.3   | 6.6                                  | 6.4   |      | 241               | 441    | 579   | 479    |
| 3521 Paints, varnishes and lacquers              |                          | 25        | 24   | 22   | 19                        |      | 1.2         | 1.1   | 1.0                                  | 0.9   |      | 62                | 103    | 114   | 112    |
| 3522 Drugs and medicines                         |                          | 315       | 297  | 226  | 226                       |      | 2.6         | 2.3   | 2.1                                  | 2.3   |      | 86                | 132    | 139   | 164    |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |                          | 65        | 91   | 117  | 86                        |      | 0.9         | 1.1   | 1.8                                  | 0.9   |      | 39                | 79     | 192   | 76     |
| 3529 Other chemical products                     |                          | 163       | 115  | 99   | 103                       |      | 1.4         | 1.8   | 1.7                                  | 1.3   |      | 66                | 127    | 134   | 127    |
| 353 Petroleum refineries                         |                          | -         | -    | -    | 5b/                       |      | -           | -     | -                                    | 0 lb/ |      | -                 | -      | -     | 16b/   |

|   |       |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 354 Misc petroleum and coal products            | -     | 4     | 3     | b/    | -     | 0 2   | 0 2   | b/    | -     | 26    | 32    | b/    |
| 355 Rubber products                             | 217   | 216   | 180   | 136   | 2 5   | 1 6   | 1 2   | 1 1   | 90    | 78    | 66    | 71    |
| 3551 Tyres and tubes                            | 15    | 10    | 13    | 9     | 0 1   | 0 2   | 0 2   | 0 2   | 8     | 11    | 14    | 16    |
| 3559 Other rubber products                      | 202   | 206   | 167   | 128   | 2 4   | 1 4   | 1 0   | 0 9   | 84    | 67    | 52    | 66    |
| 356 Plastic products                            | 5213  | 5281  | 4762  | 3796  | 86 9  | 64 0  | 49 7  | 38 7  | 2829  | 3570  | 3030  | 2726  |
| 361 Pottery, china, earthenware                 | 30    | 86    | 96    | 47    | 0 5   | 0 7   | 0 6   | 0 4   | 14    | 31    | 32    | 20    |
| 362 Glass and products                          | 185   | 141   | 108   | 137   | 2 5   | 1 5   | 1 1   | 1 4   | 78    | 83    | 61    | 79    |
| 369 Other non-metallic mineral products         | 186   | 166   | 206   | 120   | 2 8   | 2 7   | 2 9   | 2 7   | 140   | 238   | 296   | 311   |
| 3691 Structural clay products                   | -     | 4     | 5     | 3     | -     | 0 1   | 0 1   | 0 1   | -     | 8     | 10    | 9     |
| 3692 Cement, lime and plaster                   | 9     | 12    | 21    | 16    | 0 7   | 1 3   | 1 2   | 1 3   | 80    | 127   | 154   | 174   |
| 3699 Other non-metallic mineral products        | 177   | 150   | 180   | 101   | 2 1   | 1 3   | 1 6   | 1 3   | 60    | 103   | 131   | 128   |
| 371 Iron and steel                              | 101   | 98    | 72    | 67    | 2 0   | 1 4   | 1 5   | 1 3   | 90    | 103   | 137   | 148   |
| 372 Non-ferrous metals                          | 205   | 161   | 157   | 98    | 2 1   | 1 8   | 1 7   | 1 6   | 77    | 141   | 148   | 174   |
| 381 Fabricated metal products                   | 6921  | 7294  | 6729  | 5855  | 71 8  | 60 0  | 51 2  | 46 4  | 2275  | 3149  | 3004  | 3116  |
| 3811 Cutlery, hand tools and general hardware   | 319   | 237   | 205   | 180   | 4 3   | 3 1   | 2 3   | 2 2   | 78    | 141   | 128   | 128   |
| 3812 Furniture and fixtures primarily of metal  | 215   | 228   | 188   | 184   | 2 5   | 1 8   | 1 8   | 1 6   | 87    | 109   | 115   | 116   |
| 3813 Structural metal products                  | 1169  | 1326  | 1073  | 921   | 5 7   | 6 2   | 5 7   | 4 9   | 177   | 339   | 366   | 366   |
| 3819 Other fabricated metal products            | 5218  | 5503  | 5263  | 4569  | 59 3  | 48 9  | 41 5  | 37 5  | 1885  | 2560  | 2414  | 2516  |
| 382 Non-electrical machinery                    | 4094  | 5628  | 6384  | 5638  | 32 9  | 43 7  | 55 8  | 47 6  | 1124  | 2498  | 3738  | 3636  |
| 3821 Engines and turbines                       | 141   | 105   | 89    | 104   | 1 1   | 0 9   | 0 9   | 0 9   | 48    | 48    | 65    | 68    |
| 3822 Agricultural machinery and equipment       | 5     | 2     | 3     | 3     | -     | -     | 0 1   | 0 2   | -     | -     | 4     | 16    |
| 3823 Metal and wood working machinery           | 180   | 150   | 233   | 291   | 0 9   | 0 7   | 0 8   | 0 9   | 28    | 40    | 40    | 46    |
| 3824 Other special industrial machinery         | 1201  | 1356  | 1628  | 1387  | 7 1   | 10 5  | 11 5  | 9 7   | 235   | 667   | 801   | 777   |
| 3825 Office, computing and accounting machinery | 145   | 125   | 233   | 198   | 12 1  | 15 4  | 23 5  | 18 7  | 428   | 893   | 1663  | 1604  |
| 3829 Other non-electrical machinery & equipment | 2422  | 3890  | 4198  | 3653  | 11 7  | 16 2  | 18 9  | 17 3  | 385   | 851   | 1176  | 1225  |
| 383 Electrical machinery                        | 1885  | 1624  | 1393  | 1177  | 109 8 | 91 2  | 68 2  | 54 7  | 3701  | 5592  | 4791  | 4500  |
| 3831 Electrical industrial machinery            | 320   | 144   | 220   | 168   | 5 9   | 5 8   | 4 1   | 3 5   | 232   | 412   | 339   | 344   |
| 3832 Radio, television and communication equipa | 845   | 830   | 625   | 535   | 70 9  | 61 7  | 43 3  | 33 6  | 2406  | 3743  | 3114  | 2840  |
| 3833 Electrical appliances and housewares       | 170   | 122   | 157   | 196   | 17 9  | 11 5  | 9 5   | 8 9   | 558   | 710   | 617   | 663   |
| 3839 Other electrical apparatus and supplies    | 550   | 528   | 391   | 278   | 15 1  | 12 2  | 11 3  | 8 7   | 466   | 727   | 722   | 662   |
| 384 Transport equipment                         | 548   | 650   | 624   | 567   | 15 5  | 15 3  | 14 5  | 13 6  | 858   | 1516  | 1660  | 1719  |
| 3841 Shipbuilding and repairing                 | 407   | 503   | 454   | 393   | 10 5  | 9 1   | 8 2   | 7 5   | 520   | 839   | 844   | 836   |
| 3842 Railroad equipment                         | -     | 1     | 1     | 1     | -     | 0 1   | 0 1   | 0 1   | -     | -     | -     | -     |
| 3843 Motor vehicles                             | 102   | 112   | 121   | 138   | 0 8   | 1 3   | 1 1   | 1 0   | -     | 76    | 80    | 77    |
| 3844 Motorcycles and bicycles                   | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 3845 Aircraft                                   | 1     | 1     | 1     | 1     | 4 0   | 5 0   | 4 9   | 5 0   | -     | -     | -     | -     |
| 3849 Other transport equipment                  | 38    | 33    | 47    | 34    | 1     | 0 1   | 0 2   | 0 1   | 3     | -     | 10    | -     |
| 385 Professional and scientific equipment       | 1445  | 1694  | 1720  | 1369  | 42 1  | 37 8  | 34 2  | 27 2  | 1509  | 2278  | 2292  | 1969  |
| 3851 Prof and scientific equipment n e c        | 9     | 24    | 27    | 33    | 0 1   | 0 3   | 0 2   | 0 3   | 2     | 14    | 8     | 18    |
| 3852 Photographic and optical goods             | 131   | 138   | 143   | 135   | 11 1  | 8 8   | 7 7   | 7 0   | 383   | 489   | 464   | 448   |
| 3853 Watches and clocks                         | 1306  | 1532  | 1550  | 1202  | 31 0  | 28 7  | 26 4  | 19 9  | 1123  | 1774  | 1831  | 1603  |
| 390 Other manufacturing industries              | 3116  | 3471  | 3697  | 2725  | 34 0  | 31 4  | 31 8  | 23 8  | 1262  | 2027  | 2219  | 1925  |
| 3901 Jewellery and related articles             | 850   | 1302  | 1356  | 929   | 11 8  | 16 8  | 16 6  | 12 1  | 823   | 1266  | 1377  | 1177  |
| 3902 Musical instruments                        | -     | 1     | 2     | 1     | -     | -     | -     | -     | -     | -     | -     | -     |
| 3903 Sporting and athletic goods                | 76    | 43    | 49    | 38    | 2 5   | 1 0   | 0 8   | 0 6   | 70    | 63    | 63    | 60    |
| 3909 Manufacturing industries, n e c            | 2190  | 1854  | 2291  | 1757  | 19 7  | 11 0  | 14 4  | 11 1  | 669   | 649a/ | 783a/ | 694a/ |
| 3 Total manufacturing                           | 49145 | 52475 | 51821 | 43893 | 908 3 | 829 7 | 762 6 | 661 4 | 32431 | 50086 | 51611 | 50086 |

a/ Data are incomplete due to confidentiality rules

b/ 353 includes 354

Hong Kong

|   | Output in producers' prices<br>(million DOLLARS) |       |       |         | Note | Value added in producers' prices<br>(million DOLLARS) |       |       |        | Share of value added in output<br>(percentage) | Share of wages and salaries in value added<br>(percentage) |
|---|--|-------|-------|---------|------|---|-------|-------|--------|--|--|
|   | 1985   | 1989  | 1990  | 1991    |      | 1985  | 1989  | 1990  | 1991   |  |  |
| ISIC Industry                                     |  |       |       |         |      |   |       |       |        |  |  |
| 311/2 Food Products                               | 5215   | 8217  | 9629  | 10163   |      | 1334  | 2438  | 3099  | 3473   | 25.5   | 31.2   |
| 3111 Slaughtering, preparing & preserving meat    | 563  | 976   | 1256  | 1265    |      | 139   | 202   | 306   | 343    | 74.7   | 27.1   |
| 3112 Dairy products                               | 385  | 724   | 879   | 938     |      | 70  | 85    | 100   | 100    | 37.0   | 42.8   |
| 3113 Canning, preserving of fruits & vegetables   | 269  | 295   | 303   | 248     |      | 97  | 197   | 166   | 304    | 26.0   | 29.8   |
| 3114 Canning, preserving and processing of fish   | 535  | 705   | 765   | 1147    |      | 89  | 89    | 118   | 118    | 11.0   | 26.5   |
| 3115 Vegetable and animal oils and fats           | 330  | 338   | 496   | 783     |      | 70  | 98    | 139   | 144    | 21.2   | 35.3   |
| 3116 Grain mill products                          | 1096   | 1784  | 2402  | 2487    |      | 16  | 8     | 8     | 8      | 1.0  | 38.2   |
| 3117 Bakery products                              | 58   | 57    |       |         |      |   |       |       |        |  |  |
| 3118 Sugar factories and refineries               | 87   | 244   |       | 183     |      | 23  | 80    |       | 62     | 26.1   | 33.9   |
| 3119 Cocoa, chocolate and sugar confectionery     | 936  | 1679  | 2323  | 2644    |      | 283   | 705   | 892   | 1035   | 30.2   | 40.7   |
| 3121 Other food products                          | 384  | 266   | 195   |         |      | 48  | 39    |       | 12.5   | 12.5   |  |
| 3172 Prepared animal feeds                        |  |       |       |         |      |   |       |       |        |  |  |
| 313 Beverages                                     | 2064   | 3473  | 3774  | 3745    |      | 974   | 1484  | 1561  | 1539   | 47.2   | 41.1   |
| 3131 Distilling, rectifying and blending spirits  |  |       |       |         |      |   |       |       |        |  |  |
| 3132 Wine industries                              |  |       |       |         |      |   |       |       |        |  |  |
| 3133 Malt liquors and malt                        |  |       |       |         |      |   |       |       |        |  |  |
| 3134 Soft drinks and carbonated waters            |  |       |       |         |      |   |       |       |        |  |  |
| 314 Tobacco                                       | 1215   | 2213  | 2429  | 2417    |      | 492   | 640   | 832   | 824    | 40.5   | 34.1   |
| 32 Textiles                                       | 1775   | 3465  | 5328  | 7478    |      | 990   | 2125  | 3073  | 4707   | 55.8   | 62.9   |
| 321 Textiles                                      | 28966  | 54907 | 51339 | 53738   |      | 7509  | 14297 | 14051 | 14009  | 25.9   | 26.1   |
| 3211 Spinning, weaving and finishing textiles     | 14692a/  | 27273 | 26567 | 25957a/ |      | 3938a/  | 7388  | 7203  | 7318a/ | 26.8   | 28.7   |
| 3212 Made-up textile goods excl. wearing apparel  | 1016   | 2098  | 1886  | 2081    |      | 317   | 696   | 769   | 823    | 31.7   | 39.6   |
| 3213 Knitting mills                               | 12264  | 24179 | 21663 | 24300   |      | 3047  | 5823  | 6733  | 6421   | 24.8   | 22.3   |
| 3214 Carpets and rugs                             |  | 164   | 142   | 116     |      | 70  | 55    | 62    | 42     | 5.5  | 6.7  |
| 3215 Cordage, rope and twine                      |  | 151   | 136   | 84      |      | 39  | 39    | 27    | 27     | 3.1  | 3.1  |
| 3219 Other textiles                               | 966  | 1042  | 845   | 708     |      | 200   | 284   | 252   | 201    | 20.7   | 28.4   |
| 322 Wearing apparel, except footwear              | 38100  | 61531 | 64245 | 64239   |      | 12416   | 19194 | 19149 | 18601  | 32.6   | 29.0   |
| 323 Leather and fur products                      | 974  | 1405  | 1355  | 1043    |      | 199   | 322   | 294   | 240    | 20.4   | 23.0   |
| 3231 Tanneries and leather finishing              | 344  | 527   | 425   | 489     |      | 78  | 125   | 93    | 76     | 22.7   | 15.5   |
| 3232 Fur dressing and dyeing industries           |  |       |       |         |      |   |       |       |        |  |  |
| 3233 Leather goods excl. wearing apparel          | 630  | 878   | 930   | 555     |      | 120   | 197   | 200   | 184    | 19.0   | 29.5   |
| 324 Footwear, except rubber or plastic            | 1343   | 1978  | 455   | 825     |      | 482   | 603   | 271   | 220    | 35.9   | 26.7   |
| 331 Wood products, except furniture               | 915  | 1278  | 1375  | 885     |      | 250   | 282   | 299   | 225    | 27.3   | 25.4   |
| 3311 Sawmills, planing and other wood mills       | 424  | 601   | 615   | 505     |      | 85  | 103   | 111   | 95     | 20.0   | 19.4   |
| 3312 Lumber and cane containers                   | 257  | 358   | 417   | 249     |      | 82  | 83    | 86    | 70     | 31.9   | 28.1   |
| 3313 Other wood and cork products                 | 201  | 317   | 339   | 122     |      | 76  | 96    | 101   | 52     | 37.3   | 42.6   |
| 332 Furniture and fixtures, excl. metal           | 1277   | 1739  | 1330  | 1268    |      | 420   | 604   | 517   | 431    | 32.9   | 34.0   |
| 341 Paper and products                            | 2862   | 7210  | 8518  | 8790    |      | 704   | 1915  | 2146  | 2409   | 24.6   | 29.1   |
| 3411 Pulp, paper and paperboard articles          | 604  | 686   | 1151  | 969     |      | 101   | 95    | 188   | 281    | 16.7   | 29.0   |
| 3412 Containers of paper and paperboard           | 1720   | 5045  | 5837  | 5917    |      | 497   | 1343  | 1475  | 1649   | 28.9   | 27.9   |
| 3419 Other pulp, paper and paperboard articles    | 538  | 1478  | 1630  | 1404    |      | 107   | 474   | 482   | 478    | 19.9   | 34.1   |
| 342 Printing and publishing                       | 6730   | 13020 | 16194 | 17130   |      | 2730  | 5551  | 5842  | 7049   | 40.6   | 41.2   |
| 351 Industrial chemicals                          | 1142   | 3457  | 3572  | 3436    |      | 278   | 715   | 497   | 855    | 24.3   | 24.9   |
| 3511 Basic chemicals excl. fertilizers            | 383  | 722   | 694   | 725     |      | 144   | 243   | 304   | 300    | 37.6   | 41.4   |
| 3512 Fertilizers and pesticides                   | 36   | 33    | 19    | 21      |      | 15  | 6     | 6     | 6      | 41.7   | 28.6   |
| 3513 Synthetic resins and plastic materials       | 723  | 2702  | 2659  | 2690    |      | 119   | 416   | 189   | 549    | 16.5   | 20.4   |
| 352 Other chemicals                               | 1664   | 3099  | 3433  | 3089    |      | 552   | 998   | 1197  | 1173   | 33.2   | 38.0   |
| 3521 Paints, varnishes and lacquers               | 413  | 781   | 758   | 648     |      | 116   | 201   | 245   | 239    | 27.8   | 36.9   |
| 3522 Dyes and medicines                           | 381  | 696   | 658   | 827     |      | 150   | 273   | 259   | 384    | 39.4   | 44.0   |
| 3523 Soaps, cleaning prepns., perfumes, cosmetics | 342  | 697   | 975   | 874     |      | 106   | 272   | 397   | 253    | 30.7   | 33.5   |
| 3529 Other chemical products                      | 528  | 925   | 1042  | 940     |      | 181   | 252   | 285   | 317    | 34.3   | 33.7   |
| 353 Petroleum refineries                          |  |       |       | 1976/   |      |   |       |       | 790/   |  | 40.1   |

|  |        |        |        |        |    |       |        |        |        |      |      |      |      |  |  |  |  |  |
|--|--------|--------|--------|--------|----|-------|--------|--------|--------|------|------|------|------|--|--|--|--|--|
| 354 Misc petroleum and coal products             |        | 249    | 249    | b/     |    | 101   | 103    | b/     |        |      |      |      |      |  |  |  |  |  |
| 355 Rubber products                              | 421    | 374    | 364    | 286    |    | 134   | 148    | 127    | 118    | 31 8 | 41 3 | 67 2 | 60 2 |  |  |  |  |  |
| 3551 Tyres and tubes                             | 32     | 81     | 91     | 90     |    | 9     | 33     | 34     | 37     | 28 1 | 41 1 | 66 7 | 43 2 |  |  |  |  |  |
| 3559 Other rubber products                       | 389    | 293    | 273    | 196    |    | 124   | 115    | 93     | 81     | 31 9 | 41 3 | 67 7 | 67 9 |  |  |  |  |  |
| 356 Plastic products                             | 15713  | 24796  | 19204  | 16318  |    | 4769  | 6931   | 6923   | 6238   | 30 4 | 32 1 | 69 3 | 62 0 |  |  |  |  |  |
| 361 Pottery, china, earthenware                  | 91     | 120    | 117    | 64     |    | 23    | 51     | 49     | 24     | 26 3 | 37 6 | 60 9 | 83 3 |  |  |  |  |  |
| 362 Glass and products                           | 482    | 522    | 411    | 568    |    | 133   | 198    | 161    | 189    | 27 6 | 33 3 | 68 6 | 41 8 |  |  |  |  |  |
| 369 Other non-metallic mineral products          | 2048   | 4192   | 4269   | 4278   |    | 365   | 689    | 743    | 812    | 17 8 | 19 0 | 38 4 | 38 3 |  |  |  |  |  |
| 3691 Structural clay products                    |        | 27     | 32     | 35     |    |       | 5      | 1      | 8      |      | 22 9 |      |      |  |  |  |  |  |
| 3692 Cement, lime and plaster                    | 690    | 3353   | 3336   | 3399   |    | 175   | 275    | 436    | 618    | 26 4 | 16 2 | 28 6 | 33 8 |  |  |  |  |  |
| 3699 Other non-metallic mineral products         | 1358   | 811    | 901    | 844    |    | 97    | 310    | 305    | 286    | 7 1  | 33 9 | 92 8 | 44 8 |  |  |  |  |  |
| 371 Iron and steel                               | 778    | 1106   | 1553   | 1474   |    | 134   | 290    | 340    | 266    | 17 2 | 18 0 | 67 2 | 66 6 |  |  |  |  |  |
| 372 Non-ferrous metals                           | 741    | 2636   | 2619   | 3094   |    | 162   | 324    | 311    | 446    | 20 6 | 14 4 | 60 7 | 39 0 |  |  |  |  |  |
| 381 Fabricated metal products                    | 10709  | 20729  | 17867  | 20064  |    | 3686  | 6882   | 6586   | 6922   | 33 6 | 29 6 | 63 6 | 62 6 |  |  |  |  |  |
| 3811 Cutlery, hand tools and general hardware    | 354    | 1306   | 858    | 1111   |    | 107   | 422    | 327    | 424    | 30 2 | 38 2 | 72 9 | 30 2 |  |  |  |  |  |
| 3812 Furniture and fixtures, primarily, of metal | 311    | 465    | 432    | 437    |    | 119   | 162    | 160    | 174    | 38 3 | 39 8 | 73 1 | 66 7 |  |  |  |  |  |
| 3813 Structural metal products                   | 845    | 1824   | 1922   | 1636   |    | 273   | 696    | 606    | 641    | 32 3 | 33 1 | 64 8 | 66 8 |  |  |  |  |  |
| 3819 Other fabricated metal products             | 8804   | 17133  | 14423  | 16870  |    | 2926  | 4712   | 4423   | 4784   | 33 2 | 28 4 | 64 4 | 62 6 |  |  |  |  |  |
| 382 Non-electrical machinery                     | 6163   | 19552  | 29766  | 33244  |    | 1842  | 5183   | 6398   | 8334   | 29 9 | 26 1 | 61 0 | 43 4 |  |  |  |  |  |
| 3821 Engines and turbines                        | 264    | 390    | 401    | 468    |    | 67    | 153    | 162    | 186    | 26 4 | 39 6 | 71 6 | 36 8 |  |  |  |  |  |
| 3822 Agricultural machinery and equipment        |        |        | 22     | 94     |    |       |        | 8      | 32     |      | 34 0 |      | 60 0 |  |  |  |  |  |
| 3823 Metal and wood working machinery            | 157    |        | 260    | 242    |    | 62    |        | 72     | 92     | 33 1 | 38 0 | 63 8 | 60 0 |  |  |  |  |  |
| 3824 Other special industrial machinery          | 1342   | 3848   | 3934   | 4696   |    | 429   | 1252   | 1470   | 1420   | 32 0 | 30 9 | 64 8 | 64 7 |  |  |  |  |  |
| 3825 Office, computing and accounting machinery  | 2894   | 11329  | 20240  | 22330  |    | 646   | 2177   | 4679   | 4466   | 22 3 | 20 0 | 66 3 | 33 7 |  |  |  |  |  |
| 3829 Other non-electrical machinery & equipment  | 1607   | 3801   | 4909   | 6616   |    | 647   | 1639   | 2016   | 2140   | 42 9 | 38 8 | 69 6 | 67 2 |  |  |  |  |  |
| 383 Electrical machinery                         | 25639  | 46687  | 37672  | 33287  |    | 6860  | 11064  | 8994   | 9604   | 22 0 | 28 6 | 63 2 | 47 3 |  |  |  |  |  |
| 3831 Electrical industrial machinery             | 1374   | 2878   | 2988   | 2879   |    | 611   | 967    | 974    | 1011   | 44 6 | 36 1 | 38 0 | 34 0 |  |  |  |  |  |
| 3832 Radio, television and communication equipm  | 17359  | 33196  | 24551  | 18169  |    | 3646  | 7624   | 6627   | 6628   | 20 4 | 30 4 | 67 8 | 61 4 |  |  |  |  |  |
| 3833 Electrical appliances and housewares        | 4104   | 6260   | 6214   | 5426   |    | 968   | 1181   | 1166   | 1471   | 23 6 | 27 1 | 61 8 | 46 1 |  |  |  |  |  |
| 3839 Other electrical apparatus and supplies     | 2702   | 6366   | 6320   | 6813   |    | 736   | 1293   | 1338   | 1493   | 27 7 | 21 9 | 63 3 | 43 7 |  |  |  |  |  |
| 384 Transport equipment                          | 2373   | 3978   | 4200   | 4447   |    | 1222  | 2324   | 2601   | 2717   | 61 6 | 61 1 | 70 2 | 63 3 |  |  |  |  |  |
| 3841 Shipbuilding and repairing                  | 1379   | 2107   | 2219   | 2278   |    | 601   | 1130   | 1206   | 1182   | 43 6 | 61 9 | 88 6 | 70 6 |  |  |  |  |  |
| 3842 Railroad equipment                          |        |        |        |        |    |       | 5      |        |        |      |      |      |      |  |  |  |  |  |
| 3843 Motor vehicles                              | a/     | 330    | 261    | 360    | a/ | 1     | 139    | 133    | 114    | 26 0 | 32 6 |      | 67 6 |  |  |  |  |  |
| 3844 Motorcycles and bicycles                    |        |        |        |        |    |       |        |        |        |      |      |      |      |  |  |  |  |  |
| 3845 Aircraft                                    |        |        |        |        |    |       |        |        |        |      |      |      |      |  |  |  |  |  |
| 3849 Other transport equipment                   | 22     |        | 42     |        |    | 8     | 6      | 14     |        | 36 4 |      |      | 37 6 |  |  |  |  |  |
| 385 Professional and scientific equipment        | 13048  | 21871  | 21768  | 21471  |    | 2261  | 4170   | 4179   | 3841   | 17 3 | 17 9 | 67 0 | 61 3 |  |  |  |  |  |
| 3851 Prof. and scientific equipment, n.e.c.      | 12     | 83     | 22     | 286    |    | 3     | 21     | 8      | 30     | 26 0 | 10 6 | 66 7 | 60 0 |  |  |  |  |  |
| 3852 Photographic and optical goods              | 1764   | 3026   | 2431   | 3113   |    | 626   | 771    | 760    | 911    | 29 8 | 29 3 | 72 6 | 49 2 |  |  |  |  |  |
| 3853 Watches and clocks                          | 11273  | 18762  | 19316  | 18072  |    | 1723  | 3378   | 3410   | 2900   | 16 3 | 16 0 | 66 2 | 61 8 |  |  |  |  |  |
| 390 Other manufacturing industries               | 6774   | 16271  | 12709  | 12866  |    | 1970  | 3367   | 3368   | 3022   | 29 1 | 23 6 | 63 6 | 63 7 |  |  |  |  |  |
| 3901 Jewellery and related articles              | 2652   | 9864   | 7149   | 7923   |    | 767   | 1924   | 1777   | 1609   | 28 6 | 20 3 | 69 1 | 73 2 |  |  |  |  |  |
| 3902 Musical instruments                         |        |        |        |        |    |       |        |        |        |      |      |      |      |  |  |  |  |  |
| 3903 Sporting and athletic goods                 | 287    | 442    | 417    | 393    |    | 84    | 103    | 84     | 81     | 29 3 | 20 6 | 83 3 | 61 7 |  |  |  |  |  |
| 3909 Manufacturing industries, n.e.c.            | 3836   | 3997a/ | 5117a/ | 4626a/ |    | 1129  | 1078a/ | 1498a/ | 1326a/ | 29 4 | 29 3 | 68 4 | 62 4 |  |  |  |  |  |
| 3 Total manufacturing                            | 177908 | 326909 | 323806 | 326968 |    | 61278 | 91143  | 93869  | 96443  | 28 8 | 29 2 | 63 2 | 62 6 |  |  |  |  |  |

a/ Data are incomplete due to confidentiality rules

b/ 353 includes 364

## Hong Kong

| ISIC Industry                             | Note | Gross fixed capital formation |        |       |       | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|--------|-------|-------|------|--|------|------|------|------|------|------|------|
|   |      | (million DOLLARS)             |        |       |       |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1989   | 1990  | 1991  |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      | -40                           | 246    | 520   | 435   |      | 122                                    | 138  | 157  | 160  | 180  | 187  |      |      |
| 313 Beverages                             |      | 68                            | -50    | 401   | -49   |      | 117                                    | 114  | 122  | 128  | 139  | 142  |      |      |
| 314 Tobacco                               |      | 74                            | 197    | 65    | 246   |      | 139                                    | 218  | 207  | 271  | 336  | 367  |      |      |
| 321 Textiles                              |      | 865                           | 2088   | 1651  | 1811  |      | 116                                    | 120  | 151  | 171  | 167  | 176  | 173  | 180  |
| 322 Wearing apparel, except footwear      |      | 667                           | 820    | 1433  | 1353  |      | 113                                    | 105  | 125  | 143  | 142  | 144  | 141  | 137  |
| 323 Leather and fur products              |      | 16                            | 19     | 33    | 37    | a/   | 111                                    | 83   | 93   | 102  | 106  | 98   | 97   | 92   |
| 324 Footwear, except rubber or plastic    |      | 33                            | 144    | 12    | 10    | a/   |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      | 3                             | 46     | 33    | 19    | b/   | 136                                    | 102  | 114  | 124  | 130  | 120  | 119  | 113  |
| 332 Furniture and fixtures, excl metal    |      | 14                            | 37     | 67    | 17    | b/   |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      | 123                           | 444    | 483   | 404   |      | 164                                    | 164  | 190  | 240  | 291  | 318  | 346  | 382  |
| 342 Printing and publishing               |      | 392                           | 960    | 1211  | 1237  |      | 173                                    | 173  | 201  | 264  | 308  | 336  | 367  | 405  |
| 351 Industrial chemicals                  |      | 115c/                         | -488c/ | 211c/ | 147   | c/   | 146                                    | 146  | 166  | 177  | 172  | 157  | 149  | 141  |
| 352 Other chemicals                       |      | c/                            | c/     | c/    | -221  | c/   |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      | -                             | -      | -     | 10d/  |      |  |      |      |      |      |      |      |      |
| 354 Misc petroleum and coal products      |      | 14                            | 20     | 31    | 17    |      | 212                                    | 212  | 241  | 257  | 250  | 229  | 217  | 205  |
| 355 Rubber products                       |      | 706                           | 1141   | 769   | 886   |      | 185                                    | 181  | 208  | 221  | 210  | 183  | 158  | 146  |
| 356 Plastic products                      |      |                               |        |       |       |      |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      | 146e/                         | 7      | 1     | -3    | e/   | 192                                    | 192  | 218  | 234  | 227  | 208  | 197  | 186  |
| 362 Glass and products                    |      | e/                            | 51     | 58    | 1     | e/   |  |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      | e/                            | 174    | 110   | 230   | e/   |  |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      | 15f/                          | 188    | 152   | 84    | f/   | 141                                    | 135  | 152  | 176  | 210  | 191  | 172  | 169  |
| 372 Non-ferrous metals                    |      | f/                            | 177    | 10    | 64    | f/   |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      | 323                           | 856    | 689   | 653   |      | 139                                    | 134  | 152  | 177  | 212  | 190  | 169  | 166  |
| 382 Non-electrical machinery              |      | 288                           | 1130   | 1264  | 1253  |      | 166                                    | 159  | 178  | 207  | 246  | 225  | 201  | 198  |
| 383 Electrical machinery                  |      | 1156                          | 2423   | 1963  | 1568  |      | 129                                    | 127  | 143  | 180  | 207  | 210  | 213  | 219  |
| 384 Transport equipment                   |      | 39                            | 432    | 277   | 122   |      | 186                                    | 139  | 157  | 171  | 178  | 164  | 163  | 155  |
| 385 Professional and scientific equipment |      | 183                           | 434    | 487   | 615   |      | 181                                    | 179  | 201  | 253  | 291  | 295  | 299  | 307  |
| 390 Other manufacturing industries        |      | 157                           | 286    | 282   | 480   |      | 156                                    | 117  | 131  | 143  | 149  | 138  | 136  | 130  |
| 3 Total manufacturing                     |      | 5357                          | 11790  | 12270 | 11427 |      | 137                                    | 132  | 153  | 177  | 190  | 188  |      |      |

a/ 323 includes 324  
c/ 351 includes 352  
e/ 361 includes 362 and 369

b/ 331 includes 332  
d/ 353 includes 354  
f/ 371 includes 372



## HUNGARY

**Supplier of information:**

Hungarian Central Statistical Office, Budapest.

**Basic source of data:**

Annual industrial inquiry.

**Major deviations from current version of ISIC:**

Publishing is not covered; repair services for the general public are included in related manufacturing industries.

**Reference period (if not calendar year):****Scope:**

The figures given prior to 1991 relate to the industrial enterprises possessing legal entities only. As of 1991 the figures relate to all industrial enterprises possessing legal entities, as well as non-legal entities (private unincorporated companies) and individual entrepreneurs having double or single entry book-keeping.

Indices of industrial production cover all establishments possessing legal entities.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Wages and salaries excludes gratuities, certain subsidies, family allowances, and housing allowances.

Output does not include goods shipped in the same condition as received. Valuation is net of turnover taxes and includes price supplements granted by the State on individual products.

Gross fixed capital formation relates to actual expenditure on new fixed assets. The corresponding value of sales is not covered.

**Related national publications:**

Statisztikai Evkönyv (Statistical Yearbook), published by the Hungarian Central Statistical Office, Budapest.

## Hungary

| ISIC Industry                             | Note | Number of enterprises<br>(numbers) |      |       |      | Note | Number of employees<br>(thousands) |      |      |        | Note  | Wages and salaries paid<br>to employees<br>(million FORINTS) |        |         |        |
|---|------|------------------------------------|------|-------|------|------|------------------------------------|------|------|--------|-------|--|--------|---------|--------|
|   |      | 1985                               | 1990 | 1991  | 1992 |      | 1985                               | 1990 | 1991 | 1992a/ |       | 1985   | 1990   | 1991    | 1992a/ |
| 311/2 Food Products                       |      | 171                                | 493  | 1006  |      | 170  | 169                                | 164  | 159  |        | 11931 | 27825  | 33268  | 39461   |        |
| 313 Beverages                             |      | 22                                 | 87   | 201   |      | 26   | 25                                 | 23   | 20   |        | 1768  | 3843   | 4803   | 5666    |        |
| 314 Tobacco                               |      | 6                                  | 7    | 15    |      | 5    | 5                                  | 5    | 4    |        | 352   | 883  | 1276   | 1601    |        |
| 321 Textiles                              |      | 67                                 | 236  | 367   |      | 104  | 76                                 | 61   | 48   |        | 6688  | 9799   | 9766   | 9714    |        |
| 322 Wearing apparel, except footwear      |      | 146                                | 446  | 915   |      | 67   | 62                                 | 57   | 58   |        | 3708  | 6769   | 8027   | 9880    |        |
| 323 Leather and fur products              |      | 30                                 | 122  | 194   |      | 12   | 10                                 | 13   | 10   |        | 777   | 1514   | 1991   | 1856    |        |
| 324 Footwear, except rubber or plastic    |      | 62                                 | 122  | 209   |      | 36   | 28                                 | 26   | 24   |        | 2177  | 3208   | 3721   | 3938    |        |
| 331 Wood products, except furniture       |      | 44                                 | 296  | 673   |      | 12   | 15                                 | 18   | 19   |        | 767   | 2204   | 3116   | 4079    |        |
| 332 Furniture and fixtures, excl metal    |      | 83                                 | 183  | 277   |      | 29   | 26                                 | 23   | 20   |        | 1756  | 3423   | 3738   | 3946    |        |
| 341 Paper and products                    |      | 9                                  | 62   | 135   |      | 15   | 13                                 | 12   | 12   |        | 1239  | 2445   | 2871   | 3496    |        |
| 342 Printing and publishing               |      | 48                                 | 369  | 663   |      | 19   | 21                                 | 21   | 17   |        | 1414  | 4192   | 6113   | 6132    |        |
| 351 Industrial chemicals                  |      | 38                                 | 134  | 218   |      | 42   | 37                                 | 33   | 29   |        | 3405  | 7319   | 8324   | 8872    |        |
| 352 Other chemicals                       |      | 21                                 | 81   | 154   |      | 26   | 26                                 | 25   | 23   |        | 2221  | 6341   | 6907   | 8374    |        |
| 353 Petroleum refineries                  |      | 4                                  | 5    | 12    |      | 6    | 6                                  | 6    | 22b/ |        | 696   | 1896   | 2489   | 10137b/ |        |
| 354 Misc petroleum and coal products      |      | -                                  | -    | -     |      | -    | -                                  | -    | -    |        | -     | -  | -      | -       |        |
| 355 Rubber products                       |      | 2                                  | 32   | 81    |      | 11   | 8                                  | 8    | 6    |        | 911   | 1727   | 1831   | 1819    |        |
| 356 Plastic products                      |      | 46                                 | 373  | 652   |      | 13   | 18                                 | 18   | 15   |        | 968   | 3121   | 3686   | 3666    |        |
| 361 Pottery, china, earthenware           |      | 13                                 | 42   | 62    |      | 12   | 12                                 | 12   | 10   |        | 773   | 1916   | 2242   | 2499    |        |
| 362 Glass and products                    |      | 7                                  | 28   | 51    |      | 17   | 15                                 | 14   | 11   |        | 1217  | 2381   | 2772   | 2687    |        |
| 369 Other non-metallic mineral products   |      | 30                                 | 149  | 260   |      | 36   | 28                                 | 24   | 19   |        | 2486  | 4848   | 6186   | 6138    |        |
| 371 Iron and steel                        |      | 24                                 | 91   | 137   |      | 64   | 44                                 | 36   | 30   |        | 6248  | 8218   | 8172   | 8239    |        |
| 372 Non-ferrous metals                    |      | 18                                 | 54   | 99    |      | 20   | 20                                 | 17   | 13   |        | 1766  | 4163   | 4416   | 4291    |        |
| 381 Fabricated metal products             |      | 96                                 | 558  | 1244  |      | 52   | 50                                 | 44   | 32   |        | 3530  | 7707   | 8520   | 7744    |        |
| 382 Non-electrical machinery              |      | 218                                | 1436 | 3311  |      | 125  | 136                                | 125  | 92   |        | 9012  | 21881  | 24893  | 22831   |        |
| 383 Electrical machinery                  |      | 180                                | 571  | 1190  |      | 154  | 120                                | 95   | 70   |        | 10728 | 17962  | 19223  | 18116   |        |
| 384 Transport equipment                   |      | 125                                | 416  | 899   |      | 95   | 67                                 | 61   | 49   |        | 7226  | 10290  | 11784  | 11822   |        |
| 385 Professional and scientific equipment |      | 77                                 | 489  | 895   |      | 63   | 41                                 | 35   | 25   |        | 3891  | 7618   | 7780   | 6796    |        |
| 390 Other manufacturing industries        |      | 212                                | 311  | 792   |      | 57   | 36                                 | 30   | 23   |        | 3344  | 4066   | 4208   | 3957    |        |
| 3 Total manufacturing                     | c/   | 1799                               | 7193 | 14712 |      | c/   | 1278                               | 1117 | 1006 | 860    | c/    | 89888  | 176137 | 200090  | 216646 |

a/ Only enterprises with more than 20 employees  
c/ Including repair services for the general public

b/ Break in series as a result of organizational change.

## Hungary

| ISIC Industry                             | Note | Output            |         |         |         | Note   | Value added       |      |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-------------------|---------|---------|---------|--------|-------------------|------|------|------|--------------------------------|------|--|------|
|   |      | (million FORINTS) |         |         |         |        | (million FORINTS) |      |      |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985              | 1990    | 1991    | 1992    |        | 1985              | 1990 | 1991 | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       |      | 186600            | 329600  | 374900  | 329200  | 14100  | ...               | ...  | ...  | 7.6  | ...                            | 84.6 | ...  |      |
| 313 Beverages                             |      | 23600             | 42100   | 53200   | 53800   | 5350   | ...               | ...  | ...  | 22.7 | ...                            | 32.9 | ...  |      |
| 314 Tobacco                               |      | 7000              | 11500   | 14500   | 15500   | 1420   | ...               | ...  | ...  | 20.3 | ...                            | 24.8 | ...  |      |
| 321 Textiles                              |      | 55100             | 70200   | 63700   | 47500   | 16310  | ...               | ...  | ...  | 29.6 | ...                            | 40.4 | ...  |      |
| 322 Wearing apparel, except footwear      |      | 22500             | 28000   | 33800   | 28700   | 7910   | ...               | ...  | ...  | 35.2 | ...                            | 46.9 | ...  |      |
| 323 Leather and fur products              |      | 8200              | 9900    | 12200   | 7100    | 1930   | ...               | ...  | ...  | 23.5 | ...                            | 40.3 | ...  |      |
| 324 Footwear, except rubber or plastic    |      | 17300             | 17300   | 18000   | 12600   | 4250   | ...               | ...  | ...  | 24.6 | ...                            | 51.2 | ...  |      |
| 331 Wood products, except furniture       |      | 7400              | 15800   | 22800   | 16600   | 2130   | ...               | ...  | ...  | 28.8 | ...                            | 36.0 | ...  |      |
| 332 Furniture and fixtures, excl metal    |      | 14300             | 22000   | 23200   | 19300   | 4600   | ...               | ...  | ...  | 32.2 | ...                            | 38.2 | ...  |      |
| 341 Paper and products                    |      | 17700             | 28700   | 29600   | 29000   | 5300   | ...               | ...  | ...  | 29.9 | ...                            | 23.4 | ...  |      |
| 342 Printing and publishing               |      | 12800             | 26900   | 36500   | 24900   | 4690   | ...               | ...  | ...  | 36.6 | ...                            | 30.1 | ...  |      |
| 351 Industrial chemicals                  |      | 75900             | 110800  | 114700  | 95700   | 16030  | ...               | ...  | ...  | 21.1 | ...                            | 21.2 | ...  |      |
| 352 Other chemicals                       |      | 39500             | 58400   | 70200   | 68100   | 15170  | ...               | ...  | ...  | 38.4 | ...                            | 14.6 | ...  |      |
| 353 Petroleum refineries                  |      | 100700            | 106500  | 134000  | 176800  | 9750   | ...               | ...  | ...  | 9.7  | ...                            | 7.1  | ...  |      |
| 354 Misc petroleum and coal products      |      | -                 | -       | -       | -       | -      | ...               | ...  | ...  | -    | ...                            | -    | ...  |      |
| 355 Rubber products                       |      | 10800             | 15500   | 14800   | 11100   | 3560   | ...               | ...  | ...  | 33.0 | ...                            | 25.6 | ...  |      |
| 356 Plastic products                      |      | 12300             | 26300   | 35000   | 21300   | 3990   | ...               | ...  | ...  | 32.4 | ...                            | 24.3 | ...  |      |
| 361 Pottery, china, earthenware           |      | 4400              | 8500    | 10500   | 9100    | 2300   | ...               | ...  | ...  | 52.3 | ...                            | 33.6 | ...  |      |
| 362 Glass and products                    |      | 9100              | 13900   | 16200   | 13800   | 3570   | ...               | ...  | ...  | 39.2 | ...                            | 34.1 | ...  |      |
| 369 Other non-metallic mineral products   |      | 24000             | 39700   | 38800   | 28500   | 8050   | ...               | ...  | ...  | 33.5 | ...                            | 30.9 | ...  |      |
| 371 Iron and steel                        |      | 71800             | 115100  | 98900   | 63900   | 10010  | ...               | ...  | ...  | 13.9 | ...                            | 52.4 | ...  |      |
| 372 Non-ferrous metals                    |      | 33300             | 71900   | 58800   | 45700   | 2690   | ...               | ...  | ...  | 8.1  | ...                            | 65.7 | ...  |      |
| 381 Fabricated metal products             |      | 30200             | 46900   | 54400   | 35200   | 10800  | ...               | ...  | ...  | 35.8 | ...                            | 32.7 | ...  |      |
| 382 Non-electrical machinery              |      | 71300             | 115000  | 136200  | 82600   | 28530  | ...               | ...  | ...  | 40.0 | ...                            | 31.6 | ...  |      |
| 383 Electrical machinery                  |      | 95500             | 120800  | 115600  | 90600   | 38010  | ...               | ...  | ...  | 39.8 | ...                            | 28.2 | ...  |      |
| 384 Transport equipment                   |      | 85800             | 74100   | 91000   | 57300   | 25420  | ...               | ...  | ...  | 29.3 | ...                            | 28.4 | ...  |      |
| 385 Professional and scientific equipment |      | 28800             | 42300   | 46600   | 17900   | 14370  | ...               | ...  | ...  | 49.9 | ...                            | 27.1 | ...  |      |
| 390 Other manufacturing industries        |      | 20200             | 17500   | 17900   | 9300    | 8220   | ...               | ...  | ...  | 40.7 | ...                            | 40.7 | ...  |      |
| 3 Total manufacturing                     |      | 1087100           | 1585300 | 1745000 | 1411300 | 268460 | a/                | ...  | ...  | 24.7 | ...                            | 33.5 | ...  |      |

a/ Including repair services for the general public.

## Hungary

| ISIC Industry                             | Note | Gross fixed capital formation |       |       |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |
|---|------|-------------------------------|-------|-------|------|------|--|------|------|------|------|------|------|------|------|
|   |      | (million FORINTS)             |       |       |      |      | (1980=100)                             |      |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990  | 1991  | 1992 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      | 7097                          | 15336 | 12250 |      | a/   | 111                                    | 109  | 111  | 114  | 111  | 112  | 109  | 106  | 92   |
| 313 Beverages                             |      | 1420                          | 2176  | 4348  |      | a/   | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 314 Tobacco                               |      | 120                           | 222   | 325   |      | a/   | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 321 Textiles                              |      | 1525                          | 1684  | 2180  |      |      | 100                                    | 101  | 101  | 104  | 107  | 103  | 85   | 58   | 43   |
| 322 Wearing apparel, except footwear      |      | 271                           | 1037  | 1491  |      |      | 97                                     | 95   | 87   | 87   | 88   | 78   | 70   | 70   | 64   |
| 323 Leather and fur products              |      | 84                            | 192   | 154   |      |      | 101                                    | 88   | 96   | 95   | 88   | 77   | 64   | 54   | 40   |
| 324 Footwear, except rubber or plastic    |      | 268                           | 418   | 454   |      |      | 118                                    | 123  | 128  | 129  | 118  | 101  | 89   | 74   | 57   |
| 331 Wood products, except furniture       |      | 182                           | 1425  | 1110  |      |      | 95                                     | 102  | 105  | 113  | 115  | 125  | 123  | 143  | 152  |
| 332 Furniture and fixtures, excl metal    |      | 316                           | 1179  | 618   |      |      | 104                                    | 104  | 108  | 114  | 115  | 116  | 112  | 96   | 79   |
| 341 Paper and products                    |      | 1501                          | 926   | 4364  |      |      | 121                                    | 117  | 128  | 136  | 142  | 136  | 129  | 103  | 100  |
| 342 Printing and publishing               |      | 386                           | 1150  | 1549  |      |      | 120                                    | 124  | 132  | 141  | 145  | 150  | 133  | 133  | 116  |
| 351 Industrial chemicals                  |      | 5780                          | 8264  | 4897  |      |      | 135                                    | 145  | 148  | 155  | 169  | 162  | 140  | 108  | 82   |
| 352 Other chemicals                       |      | 2867                          | 2963  | 3772  |      |      | 94                                     | 94   | 97   | 101  | 99   | 93   | 90   | 78   | 79   |
| 353 Petroleum refineries                  |      | 1707                          | 3823  | 7046  |      |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 354 Misc. petroleum and coal products     |      | 370                           | 1765  | 824   |      | b/   | 126                                    | 129  | 134  | 154  | 161  | 172  | 178  | 188  | 153  |
| 355 Rubber products                       |      | 667                           | 2352  | 1525  |      | b/   | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 356 Plastic products                      |      | 282                           | 521   | 364   |      |      | 110                                    | 113  | 116  | 120  | 131  | 130  | 138  | 126  | 112  |
| 361 Pottery, china, earthenware           |      | 809                           | 4725  | 2053  |      |      | 110                                    | 110  | 111  | 115  | 118  | 121  | 106  | 88   | 86   |
| 362 Glass and products                    |      | 1974                          | 3913  | 3101  |      |      | 105                                    | 99   | 98   | 107  | 108  | 106  | 106  | 70   | 60   |
| 369 Other non-metallic mineral products   |      | 3385                          | 3787  | 3052  |      |      | 100                                    | 98   | 100  | 101  | 105  | 106  | 95   | 62   | 44   |
| 371 Iron and steel                        |      | 981                           | 1423  | 657   |      |      | 116                                    | 121  | 127  | 128  | 135  | 155  | 129  | 86   | 68   |
| 372 Non-ferrous metals                    |      | 1125                          | 1795  | 2631  |      |      | 96                                     | 98   | 101  | 104  | 112  | 104  | 95   | 84   | 66   |
| 381 Fabricated metal products             |      | 1356                          | 2544  | 6968  |      |      | 111                                    | 113  | 115  | 120  | 124  | 130  | 113  | 103  | 82   |
| 382 Non-electrical machinery              |      | 3218                          | 4235  | 5278  |      |      | 120                                    | 127  | 132  | 141  | 142  | 142  | 118  | 89   | 72   |
| 383 Electrical machinery                  |      | 2634                          | 2943  | 9571  |      |      | 112                                    | 114  | 120  | 123  | 112  | 107  | 76   | 55   | 36   |
| 384 Transport equipment                   |      | 912                           | 1830  | 1275  |      |      | 127                                    | 135  | 141  | 148  | 161  | 177  | 158  | 130  | 63   |
| 385 Professional and scientific equipment |      | 575                           | 732   | 621   |      |      | 105                                    | 98   | 92   | 91   | 90   | 80   | 63   | 54   | 39   |
| 390 Other manufacturing industries        |      | 41812                         | 73370 | 82478 |      |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 3 Total manufacturing                     | c/   | 41812                         | 73370 | 82478 |      |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |

a/ 311/2 includes 313 and 314

c/ Including repair services for the general public

b/ 355 includes 356

## ICELAND

**Supplier of information:**

National Economic Institute of Iceland, Reykjavik.

Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

**Basic source of data:**

Sample drawn from tax records.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

All establishments.

**Method of enumeration:**

The sample covers around 50% of the total wage bill in various industries. For production and value added the stratified samples drawn are "blown up" to the total size according to the proportion between the total wage bill and the sample wage bill. Employment figures are based on information obtained from all establishments.

**Adjusted for non-response:**

Not reported

**Concepts and definitions of variables:**

Number of employees is calculated as the number of work years, based on the number of insured weeks of work provided by a register-based tax-source.

Wages and salaries paid to employees comprises all payments, whether in cash or in kind, made to employees during the year, including bonuses, compensations, etc.

Output is valued in producers' prices, excluding all subsidies and including indirect taxes. Value of all products is taken, allowing for net changes of work in progress.

Value added uses the national accounting concept. It is calculated as the value of output excluding the cost of materials, fuels and other supplies; contract and commission work done by others; repair and maintenance work done by others; and electricity purchased. It includes receipts for non-industrial services but excludes costs of non-industrial services. Input estimates are on a consumed basis. Valuation is in producers' prices.

**Related national publications:**

Atvinnuvegaskýrslur (Industrial Statistics), published by the National Economic Institute of Iceland, Reykjavik.

## Iceland

| ISIC Industry                                    | Number of establishments |           |      |      | Number of employees |      |           |       | Wages and salaries paid to employees |       |      |                  |       |       |       |
|--|--------------------------|-----------|------|------|---------------------|------|-----------|-------|--------------------------------------|-------|------|------------------|-------|-------|-------|
|  | Note                     | (numbers) |      |      |                     | Note | (numbers) |       |                                      |       | Note | (million KRONUR) |       |       |       |
|  |                          | 1985      | 1989 | 1990 | 1991                |      | 1985      | 1989  | 1990                                 | 1991  |      | 1985             | 1989  | 1990  | 1991  |
| 311/2 Food Products                              |                          | ...       | 810  | 795  | 703                 |      | ...       | 11921 | 11200                                | 10891 |      | ...              | 14777 | 14870 | 16740 |
| 3111 Slaughtering, preparing & preserving meat   |                          | ...       | 54   | 66   | 48                  |      | ...       | 1193  | 1138                                 | 1046  |      | ...              | 1375  | 1573  | 1915  |
| 3112 Dairy products                              |                          | ...       | 21   | 18   | 18                  |      | ...       | 660   | 662                                  | 626   |      | ...              | 926   | 889   | 1032  |
| 3113 Canning, preserving of fruits & vegetables  |                          | ...       | 16   | 17   | 15                  |      | ...       | 376   | 282                                  | 273   |      | ...              | 321   | 434   | 294   |
| 3114 Canning, preserving and processing of fish  |                          | ...       | 515  | 499  | 445                 |      | ...       | 8010  | 7549                                 | 7318  |      | ...              | 10186 | 9912  | 11179 |
| 3115 Vegetable and animal oils and fats          |                          | ...       | -    | -    | -                   |      | ...       | -     | -                                    | -     |      | ...              | -     | -     | -     |
| 3116 Grain mill products                         |                          | ...       | -    | -    | -                   |      | ...       | -     | -                                    | -     |      | ...              | -     | -     | -     |
| 3117 Bakery products                             |                          | ...       | 103  | 99   | 97                  |      | ...       | 858   | 839                                  | 862   |      | ...              | 987   | 1081  | 1212  |
| 3118 Sugar factories and refineries              |                          | ...       | -    | -    | -                   |      | ...       | -     | -                                    | -     |      | ...              | -     | -     | -     |
| 3119 Cocoa, chocolate and sugar confectionery    |                          | ...       | 16   | 16   | 11                  |      | ...       | 243   | 246                                  | 283   |      | ...              | 292   | 372   | 422   |
| 3121 Other food products                         |                          | ...       | -    | -    | -                   |      | ...       | -     | -                                    | -     |      | ...              | -     | -     | -     |
| 3122 Prepared animal feeds                       |                          | ...       | 85   | 80   | 69                  |      | ...       | 581   | 495                                  | 485   |      | ...              | 691   | 608   | 687   |
| 313 Beverages                                    |                          | ...       | 3    | 5    | 7                   |      | ...       | 334   | 333                                  | 325   |      | ...              | 471   | 631   | 792   |
| 3131 Distilling, rectifying and blending spirits |                          | ...       | -    | -    | 1                   |      | ...       | 7     | 7                                    | 2     |      | ...              | -     | -     | -     |
| 3132 Wine industries                             |                          | ...       | -    | -    | -                   |      | ...       | -     | -                                    | -     |      | ...              | -     | -     | -     |
| 3133 Malt liquors and malt                       |                          | ...       | -    | -    | -                   |      | ...       | -     | -                                    | -     |      | ...              | -     | -     | -     |
| 3134 Soft drinks and carbonated waters           |                          | ...       | 3    | 5    | 6                   |      | ...       | 327   | 326                                  | 323   |      | ...              | 471   | 631   | 792   |
| 314 Tobacco                                      |                          | ...       | 1    | 1    | 1                   |      | ...       | 2     | 1                                    | 10    |      | ...              | -     | -     | -     |
| 321 Textiles                                     |                          | ...       | 76   | 70   | 67                  |      | ...       | 882   | 795                                  | 578   |      | ...              | 1177  | 1076  | 794   |
| 3211 Spinning, weaving and finishing textiles    |                          | ...       | 4    | 3    | 6                   |      | ...       | 166   | 141                                  | 201   |      | ...              | 419   | 378   | 191   |
| 3212 Made-up textile goods excl wearing apparel  |                          | ...       | 12   | 12   | 12                  |      | ...       | 37    | 39                                   | 34    |      | ...              | 40    | 47    | 63    |
| 3213 Knitting mills                              |                          | ...       | 21   | 20   | 21                  |      | ...       | 265   | 222                                  | 67    |      | ...              | 202   | 141   | 102   |
| 3214 Carpets and rugs                            |                          | ...       | -    | -    | -                   |      | ...       | -     | -                                    | -     |      | ...              | -     | -     | -     |
| 3215 Cordage, rope and twine                     |                          | ...       | 39   | 35   | 28                  |      | ...       | 414   | 393                                  | 286   |      | ...              | 516   | 510   | 439   |
| 3219 Other textiles                              |                          | ...       | -    | -    | -                   |      | ...       | -     | -                                    | -     |      | ...              | -     | -     | -     |
| 322 Wearing apparel, except footwear             |                          | ...       | 104  | 95   | 102                 |      | ...       | 472   | 446                                  | 493   |      | ...              | 437   | 479   | 657   |
| 323 Leather and fur products                     |                          | ...       | 18   | 21   | 21                  |      | ...       | 262   | 269                                  | 272   |      | ...              | 141   | 109   | 407   |
| 3231 Tanneries and leather finishing             |                          | ...       | 5    | 7    | 6                   |      | ...       | 255   | 260                                  | 260   |      | ...              | 133   | 95    | 389   |
| 3232 Fur dressing and dyeing industries          |                          | ...       | -    | -    | -                   |      | ...       | -     | -                                    | -     |      | ...              | -     | -     | -     |
| 3233 Leather prods. excl wearing apparel         |                          | ...       | 13   | 14   | 15                  |      | ...       | 7     | 9                                    | 22    |      | ...              | 8     | 14    | 18    |
| 324 Footwear, except rubber or plastic           |                          | ...       | 7    | 3    | 3                   |      | ...       | 33    | 40                                   | 40    |      | ...              | 22    | 33    | 30    |
| 331 Wood products, except furniture              |                          | ...       | 41   | 40   | 36                  |      | ...       | 34    | 35                                   | 24    |      | ...              | 19    | 33    | 36    |
| 3311 Sawmills, planing and other wood mills      |                          | ...       | -    | -    | -                   |      | ...       | -     | -                                    | -     |      | ...              | -     | -     | -     |
| 3312 Wooden and cane containers                  |                          | ...       | 3    | 2    | 2                   |      | ...       | 8     | 7                                    | 7     |      | ...              | -     | -     | -     |
| 3319 Other wood and cork products                |                          | ...       | 38   | 38   | 34                  |      | ...       | 26    | 28                                   | 17    |      | ...              | 19    | 33    | 36    |
| 332 Furniture and fixtures, excl metal           |                          | ...       | 234  | 240  | 277                 |      | ...       | 973   | 963                                  | 1205  |      | ...              | 1560  | 1961  | 2216  |
| 341 Paper and products                           |                          | ...       | 11   | 9    | 10                  |      | ...       | 224   | 231                                  | 231   |      | ...              | 330   | 385   | 468   |
| 3411 Pulp, paper and paperboard articles         |                          | ...       | 11   | 9    | 10                  |      | ...       | 224   | 231                                  | 231   |      | ...              | 330   | 385   | 468   |
| 3412 Containers of paper and paperboard          |                          | ...       | -    | -    | -                   |      | ...       | -     | -                                    | -     |      | ...              | -     | -     | -     |
| 3419 Other pulp, paper and paperboard articles   |                          | ...       | -    | -    | -                   |      | ...       | -     | -                                    | -     |      | ...              | -     | -     | -     |
| 342 Printing and publishing                      |                          | ...       | 306  | 311  | 332                 |      | ...       | 1997  | 2056                                 | 2055  |      | ...              | 2938  | 3340  | 3949  |
| 351 Industrial chemicals                         |                          | ...       | 7    | 6    | 6                   |      | ...       | 246   | 259                                  | 248   |      | ...              | 453   | 514   | 582   |
| 3511 Basic chemicals excl fertilizers            |                          | ...       | 7a/  | 6a/  | 6a/                 |      | ...       | 246a/ | 259a/                                | 248a/ |      | ...              | 453a/ | 514a/ | 582a/ |
| 3512 Fertilizers and pesticides                  |                          | ...       | a/   | a/   | a/                  |      | ...       | a/    | a/                                   | a/    |      | ...              | a/    | a/    | a/    |
| 3513 Synthetic resins and plastic materials      |                          | ...       | -    | -    | -                   |      | ...       | -     | -                                    | -     |      | ...              | -     | -     | -     |
| 352 Other chemicals                              |                          | ...       | 21   | 25   | 26                  |      | ...       | 319   | 302                                  | 411   |      | ...              | 458   | 471   | 530   |
| 3521 Paints, varnishes and lacquers              |                          | ...       | 4    | 6    | 7                   |      | ...       | 113   | 109                                  | 181   |      | ...              | 200   | 216   | 249   |
| 3522 Drugs and medicines                         |                          | ...       | -    | -    | -                   |      | ...       | -     | -                                    | -     |      | ...              | -     | -     | -     |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |                          | ...       | 17   | 19   | 19                  |      | ...       | 206   | 193                                  | 230   |      | ...              | 258   | 256   | 281   |
| 3529 Other chemical products                     |                          | ...       | -    | -    | -                   |      | ...       | -     | -                                    | -     |      | ...              | -     | -     | -     |
| 353 Petroleum refineries                         |                          | ...       | -    | -    | -                   |      | ...       | -     | -                                    | -     |      | ...              | -     | -     | -     |

|   |     |       |       |       |     |        |        |        |     |        |        |        |
|---|-----|-------|-------|-------|-----|--------|--------|--------|-----|--------|--------|--------|
| 354 Misc. petroleum and coal products           | ... | 3     | 2     | 2     | ... | 9      | 8      | 10     | ... | 9      | 12     | 13     |
| 355 Rubber products                             | ... | -     | -     | -     | ... | -      | -      | -      | ... | -      | -      | -      |
| 3551 Tyres and tubes                            | ... | ...   | ...   | ...   | ... | ...    | ...    | ...    | ... | ...    | ...    | ...    |
| 3559 Other rubber products                      | ... | ...   | ...   | ...   | ... | ...    | ...    | ...    | ... | ...    | ...    | ...    |
| 356 Plastic products                            | ... | 54    | 59    | 59    | ... | 559    | 517    | 506    | ... | 584    | 593    | 1025   |
| 361 Pottery, china, earthenware                 | ... | 24    | 23    | 24    | ... | 28     | 28     | 8      | ... | 42     | 55     | 70     |
| 362 Glass and products                          | ... | 17    | 17    | 23    | ... | 111    | 97     | 113    | ... | 121    | 151    | 185    |
| 369 Other non-metallic mineral products         | ... | 69    | 65    | 74    | ... | 756    | 770    | 814    | ... | 1125   | 1353   | 1585   |
| 3691 Structural clay products                   | ... | 1     | ...   | 1     | ... | ...    | ...    | 1      | ... | ...    | ...    | ...    |
| 3692 Cement, lime and plaster                   | ... | 1     | 1     | 1     | ... | 151    | 143    | 140    | ... | 237    | 239    | 259    |
| 3699 Other non-metallic mineral products        | ... | 67    | 64    | 72    | ... | 605    | 627    | 673    | ... | 888    | 1114   | 1319   |
| 371 Iron and steel                              | ... | 1     | 2     | 4     | ... | 207    | 209    | 188    | ... | 437    | 439    | 415    |
| 372 Non-ferrous metals                          | ... | 1     | 1     | 1     | ... | 664    | 652    | 622    | ... | 1343   | 1478   | 1485   |
| 381 Fabricated metal products                   | ... | 491b/ | 496b/ | 488b/ | ... | 2343b/ | 2146b/ | 1960b/ | ... | 3499b/ | 3475b/ | 3785b/ |
| 3811 Cutlery, hand tools and general hardware   | ... | ...   | ...   | ...   | ... | ...    | ...    | ...    | ... | ...    | ...    | ...    |
| 3812 Furniture and fixtures primarily of metal  | ... | ...   | ...   | ...   | ... | ...    | ...    | ...    | ... | ...    | ...    | ...    |
| 3813 Structural metal products                  | ... | ...   | ...   | ...   | ... | ...    | ...    | ...    | ... | ...    | ...    | ...    |
| 3819 Other fabricated metal products            | ... | ...   | ...   | ...   | ... | ...    | ...    | ...    | ... | ...    | ...    | ...    |
| 382 Non-electrical machinery                    | ... | ...b/ | ...b/ | ...b/ | ... | ...b/  | ...b/  | ...b/  | ... | ...b/  | ...b/  | ...b/  |
| 3821 Engines and turbines                       | ... | ...   | ...   | ...   | ... | ...    | ...    | ...    | ... | ...    | ...    | ...    |
| 3822 Agricultural machinery and equipment       | ... | ...   | ...   | ...   | ... | ...    | ...    | ...    | ... | ...    | ...    | ...    |
| 3823 Metal and wood working machinery           | ... | ...   | ...   | ...   | ... | ...    | ...    | ...    | ... | ...    | ...    | ...    |
| 3824 Other special industrial machinery         | ... | 70    | 69    | 81    | ... | 1683   | 1697   | 1671   | ... | ...    | ...    | ...    |
| 3825 Office, computing and accounting machinery | ... | ...   | ...   | ...   | ... | ...    | ...    | ...    | ... | ...    | ...    | ...    |
| 3829 Other non-electrical machinery & equipment | ... | ...   | ...   | ...   | ... | ...    | ...    | ...    | ... | ...    | ...    | ...    |
| 383 Electrical machinery                        | ... | -     | -     | -     | ... | -      | -      | -      | ... | -      | -      | -      |
| 3831 Electrical industrial machinery            | ... | ...   | ...   | ...   | ... | ...    | ...    | ...    | ... | ...    | ...    | ...    |
| 3832 Radio, television and communication equipm | ... | ...   | ...   | ...   | ... | ...    | ...    | ...    | ... | ...    | ...    | ...    |
| 3833 Electrical appliances and housewares       | ... | ...   | ...   | ...   | ... | ...    | ...    | ...    | ... | ...    | ...    | ...    |
| 3839 Other electrical apparatus and supplies    | ... | ...   | ...   | ...   | ... | ...    | ...    | ...    | ... | ...    | ...    | ...    |
| 384 Transport equipment                         | ... | 59    | 59    | 70    | ... | 703    | 634    | 599    | ... | 1029   | 975    | 1119   |
| 3841 Shipbuilding and repairing                 | ... | 59    | 59    | 70    | ... | 703    | 634    | 599    | ... | 1029   | 975    | 1119   |
| 3842 Railroad equipment                         | ... | -     | -     | -     | ... | -      | -      | -      | ... | -      | -      | -      |
| 3843 Motor vehicles                             | ... | -     | -     | -     | ... | -      | -      | -      | ... | -      | -      | -      |
| 3844 Motorcycles and bicycles                   | ... | -     | -     | -     | ... | -      | -      | -      | ... | -      | -      | -      |
| 3845 Aircraft                                   | ... | -     | -     | -     | ... | -      | -      | -      | ... | -      | -      | -      |
| 3849 Other transport equipment                  | ... | -     | -     | -     | ... | -      | -      | -      | ... | -      | -      | -      |
| 385 Professional and scientific equipment       | ... | -     | -     | -     | ... | -      | -      | -      | ... | -      | -      | -      |
| 3851 Pro. and scientific equipment n.e.c        | ... | ...   | ...   | ...   | ... | ...    | ...    | ...    | ... | ...    | ...    | ...    |
| 3852 Photographic and optical goods             | ... | ...   | ...   | ...   | ... | ...    | ...    | ...    | ... | ...    | ...    | ...    |
| 3853 Watches and clocks                         | ... | ...   | ...   | ...   | ... | ...    | ...    | ...    | ... | ...    | ...    | ...    |
| 390 Other manufacturing industries              | ... | 129   | 145   | 144   | ... | 480    | 489    | 528    | ... | 811    | 1039   | 1103   |
| 3901 Jewellery and related articles             | ... | 35    | 40    | 33    | ... | 34     | 38     | 35     | ... | 45     | 40     | 58     |
| 3902 Musical instruments                        | ... | 9     | 10    | 10    | ... | 1      | 2      | ...    | ... | 1      | ...    | ...    |
| 3903 Sporting and athletic goods                | ... | -     | -     | -     | ... | -      | -      | -      | ... | -      | -      | -      |
| 3909 Manufacturing industries, n.e.c            | ... | 64    | 95    | 101   | ... | 445    | 449    | 492    | ... | 754    | 998    | 1044   |
| 3 Total manufacturing                           | ... | 2487  | 2490  | 2480  | ... | 23559  | 22480  | 22131  | ... | 32063  | 33774  | 37996  |

a/ 3511 includes 3512

b/ 381 includes 382

## Iceland

## Output in producers' prices

(million KRONUR)

| ISIC Industry                                    | Note | Output in producers' prices<br>(million KRONUR) |        |        |        |
|--|------|---|--------|--------|--------|
|  |      | 1985  | 1989   | 1990   | 1991   |
| 311/2 Food Products                              |      |   | 70696  | 81134  | 89062  |
| 3111 Slaughtering, preparing & preserving meat   |      |   | 7864   | 9307   | 11031  |
| 3112 Dairy products                              |      |   | 8247   | 9903   | 9729   |
| 3113 Canning, preserving of fruits & vegetables  |      |   | 1787   | 2141   | 1875   |
| 3114 Canning, preserving and processing of fish  |      |   | 43362  | 49548  | 55783  |
| 3115 Vegetable and animal oils and fats          |      |   | -      | -      | -      |
| 3116 Grain mill products                         |      |   | -      | -      | -      |
| 3117 Bakery products                             |      |   | 3363   | 3641   | 3853   |
| 3118 Sugar factories and refineries              |      |   | -      | -      | -      |
| 3119 Cocoa, chocolate and sugar confectionery    |      |   | 1219   | 1454   | 1597   |
| 3121 Other food products                         |      |   | -      | -      | -      |
| 3122 Prepared animal feeds                       |      |   | 4754   | 5141   | 5194   |
| 313 Beverages                                    |      |   | 2983   | 3684   | 4255   |
| 3131 Distilling, rectifying and blending spirits |      |   | -      | -      | -      |
| 3132 Wine industries                             |      |   | -      | -      | -      |
| 3133 Malt liquors and malt                       |      |   | -      | -      | -      |
| 3134 Soft drinks and carbonated waters           |      |   | 2983   | 3684   | 4255   |
| 314 Tobacco                                      |      |   | -      | -      | -      |
| 321 Textiles                                     |      |   | 3425   | 3497   | 3346   |
| 3211 Spinning, weaving and finishing textiles    |      |   | 917    | 988    | 919    |
| 3212 Made-up textile goods excl wearing apparel  |      |   | 270    | 281    | 399    |
| 3213 Knitting mills                              |      |   | 745    | 515    | 418    |
| 3214 Carpets and rugs                            |      |   | -      | -      | -      |
| 3215 Cordage, rope and twine                     |      |   | 1495   | 1713   | 1612   |
| 3219 Other textiles                              |      |   | -      | -      | -      |
| 322 wearing apparel, except footwear             |      |   | 1590   | 1728   | 1837   |
| 323 leather and fur products                     |      |   | 832    | 1081   | 1042   |
| 3231 Tanneries and leather finishing             |      |   | 787    | 1016   | 956    |
| 3232 Fur dressing and dyeing industries          |      |   | -      | -      | -      |
| 3233 Leather prods excl wearing apparel          |      |   | 45     | 65     | 87     |
| 324 Footwear, except rubber or plastic           |      |   | 60     | 110    | 105    |
| 331 wood products, except furniture              |      |   | 196    | 234    | 224    |
| 3311 Sawmills, planing and other wood mills      |      |   | -      | -      | -      |
| 3312 wooden and cane containers                  |      |   | -      | -      | -      |
| 3319 Other wood and cork products                |      |   | 196    | 234    | 224    |
| 332 Furniture and fixtures, excl metal           |      |   | 5890   | 5763   | 6416   |
| 341 Paper and products                           |      |   | 1253   | 1422   | 1601   |
| 3411 Pulp, paper and paperboard articles         |      |   | 1253   | 1422   | 1601   |
| 3412 Containers of paper and paperboard          |      |   | -      | -      | -      |
| 3419 Other pulp, paper and paperboard articles   |      |   | -      | -      | -      |
| 342 Printing and publishing                      |      |   | 8543   | 9137   | 10624  |
| 351 Industrial chemicals                         |      |   | 1929   | 2390   | 2831   |
| 3511 Basic chemicals excl fertilizers            |      |   | 1929a/ | 2390a/ | 2831a/ |
| 3512 Fertilizers and pesticides                  |      |   | -      | -      | -      |
| 3513 Synthetic resins and plastic materials      |      |   | -      | -      | -      |
| 352 Other chemicals                              |      |   | 2428   | 2660   | 2864   |
| 3521 Paints, varnishes and lacquers              |      |   | 1112   | 1215   | 1310   |
| 3522 Drugs and medicines                         |      |   | -      | -      | -      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      |   | 1317   | 1445   | 1555   |
| 3529 Other chemical products                     |      |   | -      | -      | -      |
| 353 Petroleum refineries                         |      |   | -      | -      | -      |

## Value added in producers' prices

(million KRONUR)

| ISIC Industry                                    | Note | Value added in producers' prices<br>(million KRONUR) |       |       |        | Share of value added in output<br>(percentage) |      | Share of wages and salaries in value added<br>(percentage) |      |
|--|------|--|-------|-------|--------|--|------|--|------|
|  |      | 1985   | 1989  | 1990  | 1991   | 1985   | 1991 | 1985   | 1991 |
| 311/2 Food Products                              |      |  | 16313 | 16783 | 19904  | 22.3   |      | 84.1   |      |
| 3111 Slaughtering, preparing & preserving meat   |      |  | -522  | -1245 | -815   |  |      |  |      |
| 3112 Dairy products                              |      |  | -512  | -735  | -1007  |  |      |  |      |
| 3113 Canning, preserving of fruits & vegetables  |      |  | 522   | 478   | 406    | 21.7   |      | 72.4   |      |
| 3114 Canning, preserving and processing of fish  |      |  | 13121 | 14754 | 17341  | 31.1   |      | 64.5   |      |
| 3115 Vegetable and animal oils and fats          |      |  | -     | -     | -      |  |      |  |      |
| 3116 Grain mill products                         |      |  | -     | -     | -      |  |      |  |      |
| 3117 Bakery products                             |      |  | 1786  | 1630  | 1863   | 48.4   |      | 65.1   |      |
| 3118 Sugar factories and refineries              |      |  | -     | -     | -      |  |      |  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      |  | 617   | 663   | 784    | 49.1   |      | 53.8   |      |
| 3121 Other food products                         |      |  | -     | -     | -      |  |      |  |      |
| 3122 Prepared animal feeds                       |      |  | 1302  | 1239  | 1333   | 25.7   |      | 51.5   |      |
| 313 Beverages                                    |      |  | 1313  | 1212  | 1348   | 31.7   |      | 58.8   |      |
| 3131 Distilling, rectifying and blending spirits |      |  | -     | -     | -      |  |      |  |      |
| 3132 Wine industries                             |      |  | -     | -     | -      |  |      |  |      |
| 3133 Malt liquors and malt                       |      |  | -     | -     | -      |  |      |  |      |
| 3134 Soft drinks and carbonated waters           |      |  | 1313  | 1212  | 1348   | 31.7   |      | 58.8   |      |
| 314 Tobacco                                      |      |  | -     | -     | -      |  |      |  |      |
| 321 Textiles                                     |      |  | 1144  | 1219  | 998    | 29.8   |      | 79.6   |      |
| 3211 Spinning, weaving and finishing textiles    |      |  | 44    | 208   | 133    | 14.5   |      |  |      |
| 3212 Made-up textile goods excl wearing apparel  |      |  | 100   | 82    | 92     | 23.1   |      | 68.5   |      |
| 3213 Knitting mills                              |      |  | 259   | 155   | 154    | 37.0   |      | 66.2   |      |
| 3214 Carpets and rugs                            |      |  | -     | -     | -      |  |      |  |      |
| 3215 Cordage, rope and twine                     |      |  | 741   | 773   | 619    | 38.4   |      | 70.9   |      |
| 3219 Other textiles                              |      |  | -     | -     | -      |  |      |  |      |
| 322 wearing apparel, except footwear             |      |  | 666   | 678   | 779    | 42.4   |      | 84.3   |      |
| 323 leather and fur products                     |      |  | 137   | 292   | 612    | 49.1   |      | 79.5   |      |
| 3231 Tanneries and leather finishing             |      |  | 116   | 267   | 479    | 50.1   |      | 81.2   |      |
| 3232 Fur dressing and dyeing industries          |      |  | -     | -     | -      |  |      |  |      |
| 3233 Leather prods excl wearing apparel          |      |  | 21    | 25    | 32     | 36.8   |      | 56.3   |      |
| 324 Footwear, except rubber or plastic           |      |  | 20    | 38    | 21     | 20.0   |      |  |      |
| 331 wood products, except furniture              |      |  | 84    | 67    | 70     | 31.3   |      | 61.4   |      |
| 3311 Sawmills, planing and other wood mills      |      |  | -     | -     | -      |  |      |  |      |
| 3312 wooden and cane containers                  |      |  | -     | -     | -      |  |      |  |      |
| 3319 Other wood and cork products                |      |  | 64    | 57    | 70     | 31.3   |      | 61.4   |      |
| 332 Furniture and fixtures, excl metal           |      |  | 2897  | 2359  | 2679   | 41.8   |      | 82.7   |      |
| 341 Paper and products                           |      |  | 456   | 547   | 634    | 39.6   |      | 73.8   |      |
| 3411 Pulp, paper and paperboard articles         |      |  | 456   | 547   | 634    | 39.6   |      | 73.8   |      |
| 3412 Containers of paper and paperboard          |      |  | -     | -     | -      |  |      |  |      |
| 3419 Other pulp, paper and paperboard articles   |      |  | -     | -     | -      |  |      |  |      |
| 342 Printing and publishing                      |      |  | 4694  | 4904  | 5652   | 53.2   |      | 69.9   |      |
| 351 Industrial chemicals                         |      |  | 748   | 979   | 1004   | 35.5   |      | 58.0   |      |
| 3511 Basic chemicals excl fertilizers            |      |  | 748a/ | 979a/ | 1004a/ | 35.5   |      | 58.0   |      |
| 3512 Fertilizers and pesticides                  |      |  | -     | -     | -      |  |      |  |      |
| 3513 Synthetic resins and plastic materials      |      |  | -     | -     | -      |  |      |  |      |
| 352 Other chemicals                              |      |  | 947   | 850   | 1002   | 35.0   |      | 52.9   |      |
| 3521 Paints, varnishes and lacquers              |      |  | 485   | 455   | 615    | 39.3   |      | 48.3   |      |
| 3522 Drugs and medicines                         |      |  | -     | -     | -      |  |      |  |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      |  | 462   | 396   | 486    | 31.3   |      | 57.8   |      |
| 3529 Other chemical products                     |      |  | -     | -     | -      |  |      |  |      |
| 353 Petroleum refineries                         |      |  | -     | -     | -      |  |      |  |      |



|   |         |         |         |  |        |        |        |      |      |
|---|---------|---------|---------|--|--------|--------|--------|------|------|
| 354 Misc petroleum and coal products            | 39      | 41      | 50      |  | 16     | 14     | 17     | 34.0 | 76.6 |
| 355 Rubber products                             | -       | -       | -       |  | -      | -      | -      |      |      |
| 3551 Tyres and tubes                            |         |         |         |  |        |        |        |      |      |
| 3559 Other rubber products                      |         |         |         |  |        |        |        |      |      |
| 356 Plastic products                            | 3247    | 3866    | 3961    |  | 1339   | 1691   | 1617   | 40.8 | 63.6 |
| 361 Pottery, china, earthenware                 | 94      | 113     | 109     |  | 38     | 57     | 26     | 23.9 |      |
| 362 Glass and products                          | 586     | 579     | 639     |  | 292    | 212    | 248    | 38.8 | 76.8 |
| 369 Other non-metallic mineral products         | 4517    | 4836    | 5426    |  | 2213   | 2166   | 2261   | 41.7 | 70.2 |
| 3691 Structural clay products                   |         |         |         |  |        |        |        |      |      |
| 3692 Cement, lime and plaster                   | 764     | 844     | 874     |  | 397    | 436    | 462    | 51.7 | 69.6 |
| 3699 Other non-metallic mineral products        | 3753    | 3992    | 4552    |  | 1816   | 1720   | 1809   | 39.7 | 72.9 |
| 371 Iron and steel                              | 3099    | 2375    | 1821    |  | 1297   | 537    | 294    | 16.1 |      |
| 372 Non-ferrous metals                          | 10114   | 9698    | 8381    |  | 3303   | 2101   | 1060   | 12.6 |      |
| 381 Fabricated metal products                   | 10110b/ | 10130b/ | 10896b/ |  | 6072b/ | 4927b/ | 5149b/ | 47.3 | 73.6 |
| 3811 Cutlery, hand tools and general hardware   |         |         |         |  |        |        |        |      |      |
| 3812 Furniture and fixtures primarily of metal  |         |         |         |  |        |        |        |      |      |
| 3813 Structural metal products                  |         |         |         |  |        |        |        |      |      |
| 3819 Other fabricated metal products            |         |         |         |  |        |        |        |      |      |
| 382 Non-electrical machinery                    | b/      | b/      | b/      |  | b/     | b/     | b/     |      |      |
| 3821 Engines and turbines                       |         |         |         |  |        |        |        |      |      |
| 3822 Agricultural machinery and equipment       |         |         |         |  |        |        |        |      |      |
| 3823 Metal and wood working machinery           |         |         |         |  |        |        |        |      |      |
| 3824 Other special industrial machinery         |         |         |         |  |        |        |        |      |      |
| 3825 Office, computing and accounting machinery |         |         |         |  |        |        |        |      |      |
| 3829 Other non-electrical machinery & equipment |         |         |         |  |        |        |        |      |      |
| 383 Electrical machinery                        |         |         |         |  |        |        |        |      |      |
| 3831 Electrical industrial machinery            |         |         |         |  |        |        |        |      |      |
| 3832 Radio, television and communication equipm |         |         |         |  |        |        |        |      |      |
| 3833 Electrical appliances and housewares       |         |         |         |  |        |        |        |      |      |
| 3839 Other electrical apparatus and supplies    |         |         |         |  |        |        |        |      |      |
| 384 Transport equipment                         | 1994    | 2011    | 2258    |  | 1093   | 1160   | 1281   | 56.7 | 87.4 |
| 3841 Shipbuilding and repairing                 | 1994    | 2011    | 2258    |  | 1093   | 1160   | 1281   | 56.7 | 87.4 |
| 3842 Railroad equipment                         | -       | -       | -       |  | -      | -      | -      |      |      |
| 3843 Motor vehicles                             | -       | -       | -       |  | -      | -      | -      |      |      |
| 3844 Motorcycles and bicycles                   | -       | -       | -       |  | -      | -      | -      |      |      |
| 3845 Aircraft                                   | -       | -       | -       |  | -      | -      | -      |      |      |
| 3849 Other transport equipment                  | -       | -       | -       |  | -      | -      | -      |      |      |
| 385 Professional and scientific equipment       |         |         |         |  |        |        |        |      |      |
| 3851 Prof and scientific equipment n e c        |         |         |         |  |        |        |        |      |      |
| 3852 Photographic and optical goods             |         |         |         |  |        |        |        |      |      |
| 3853 Watches and clocks                         |         |         |         |  |        |        |        |      |      |
| 390 Other manufacturing industries              | 4324    | 5314    | 5257    |  | 1217   | 1594   | 1663   | 31.4 | 66.7 |
| 3901 Jewellery and related articles             | 243     | 235     | 260     |  | 131    | 118    | 126    | 48.6 | 46.0 |
| 3902 Musical instruments                        | 12      | 19      | 17      |  | 6      | 10     | 9      | 62.9 |      |
| 3903 Sporting and athletic goods                |         |         |         |  |        |        |        |      |      |
| 3909 Manufacturing industries, n e c            | 4069    | 5060    | 4980    |  | 1080   | 1466   | 1518   | 30.6 | 68.8 |
| 3 Total manufacturing                           | 137846  | 151803  | 163007  |  | 46279  | 44166  | 48197  | 29.6 | 78.8 |

a/ 3511 includes 3512

b/ 381 includes 382.

## Iceland

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|------|------|--|------|------|------|------|------|------|------|
|   |      | (million KRONUR)              |      |      |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1989 | 1990 | 1991 |      | '84                                    | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 313 Beverages                             |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 314 Tobacco                               |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 321 Textiles                              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 322 Wearing apparel, except footwear      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 323 Leather and fur products              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 332 Furniture and fixtures, excl metal    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 342 Printing and publishing               |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 352 Other chemicals                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 354 Misc petroleum and coal products      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 356 Plastic products                      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 362 Glass and products                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 382 Non-electrical machinery              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 384 Transport equipment                   |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 385 Professional and scientific equipment |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |

## INDIA

**Supplier of information:**

Department of Statistics, Ministry of Planning and Programme Implementation, New Delhi.  
The indices of industrial production are compiled by the Central Statistical Organisation.

**Basic source of data:**

Annual Survey of Industries.

**Major deviations from current version of ISIC:**

The Indian industrial classification system is based on the preceding version of the ISIC, but data have been adjusted to fit the current version of the ISIC, with three exceptions: the manufacture of inedible oils (part of ISIC 3115) is included in ISIC 352; the manufacture of prime movers, boilers, etc. (part of ISIC 3813) is included in ISIC 382 and the manufacture of electronic computers (part of ISIC 3825) is included in ISIC 383.

**Reference period (if not calendar year):**

From 1 April of the year indicated to 31 March of the following year. However, individual factory returns for an accounting year ending on any day during the reference period, are accepted.

**Scope:**

Factories using power employing 10 or more workers on any day of the reference period and those employing 20 or more workers, but not using power.  
The indices of industrial production for some industries cover only establishments employing plant and machinery worth two million rupees or more.

**Method of enumeration:**

Factories employing 100 and more workers are completely enumerated. For factories with less than 100 workers, a stratified unistage sampling is adopted.

**Adjusted for non-response:**

No.

**Concepts and definitions of variables:**

Persons engaged is derived by dividing the person days (paid or unpaid) by the number of days in which the factory was either in operation or in which repair, maintenance and construction activity was carried out. The number of person days for each category is obtained by summing up the number of persons attending each shift over every shift worked on all days (working and non-working).

Wages and salaries is compensation of employees including payments to contract labourers, and excluding payments in kind.

Output is gross output and is not adjusted for cost of goods sold without further processing.

Value added is net of depreciation.

**Related national publications:**

Annual Survey of Industries - Summary Results for Factory Sector; Supplement to Annual Survey of Industries - Summary Results for Factory Sector by State Industry, all published by Central Statistical Organisation, Department of Statistics, Ministry of Planning and Programme Implementation, New Delhi.

## India

| ISIC Industry                                    | Note | Number of establishments |       |       |       | Note | Number of persons engaged |        |        |        | Note | Wages and salaries paid to employees |       |       |       |
|--|------|--------------------------|-------|-------|-------|------|---------------------------|--------|--------|--------|------|--------------------------------------|-------|-------|-------|
|  |      | (numbers)                |       |       |       |      | (thousands)               |        |        |        |      | (million RUPEES)                     |       |       |       |
|  |      | 1985                     | 1988  | 1989  | 1990  |      | 1985                      | 1988   | 1989   | 1990   |      | 1985                                 | 1988  | 1989  | 1990  |
| 311/2 Food Products                              |      | 17725                    | 18581 | 19342 | 19780 |      | 978.6                     | 1021.0 | 1111.2 | 1122.3 |      | 7326                                 | 10921 | 13842 | 16883 |
| 3111 Slaughtering, preparing & preserving meat   |      | 32                       | 24    | 26    | 33    |      | 3.6                       | 2.8    | 3.2    | 3.8    |      | 49                                   | 96    | 82    | 91    |
| 3112 Dairy products                              |      | 317                      | 386   | 426   | 432   |      | 49.7                      | 62.9   | 60.4   | 67.9   |      | 803                                  | 1148  | 1624  | 1740  |
| 3113 Canning, preserving of fruits & vegetables  |      | 209                      | 214   | 218   | 203   |      | 14.3                      | 13.0   | 14.5   | 16.0   |      | 110                                  | 148   | 161   | 184   |
| 3114 Canning, preserving and processing of fish  |      | 210                      | 180   | 192   | 176   |      | 12.0                      | 10.7   | 12.3   | 12.1   |      | 79                                   | 109   | 131   | 141   |
| 3115 Vegetable and animal oils and fats          |      | 2280                     | 2518  | 3177  | 3194  |      | 64.5                      | 75.1   | 112.7  | 106.8  |      | 614                                  | 780   | 1397  | 1471  |
| 3116 Grain mill products                         |      | 7858                     | 8903  | 8892  | 9238  |      | 196.1                     | 217.1  | 217.9  | 224.2  |      | 839                                  | 1196  | 1426  | 1716  |
| 3117 Bakery products                             |      | 811                      | 727   | 885   | 720   |      | 28.4                      | 32.7   | 30.6   | 32.6   |      | 426                                  | 635   | 603   | 718   |
| 3118 Sugar factories and refineries              |      | 2042                     | 1566  | 1520  | 1371  |      | 314.4                     | 330.0  | 352.8  | 346.3  |      | 2918                                 | 4900  | 6110  | 7063  |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 686                      | 651   | 142   | 146   |      | 91.5                      | 84.9   | 6.7    | 8.3    |      | 217                                  | 328   | 118   | 137   |
| 3121 Other food products                         |      | 3300                     | 3193  | 3864  | 4010  |      | 196.6                     | 193.8  | 290.7  | 306.3  |      | 1278                                 | 1661  | 2147  | 2443  |
| 3122 Prepared animal feeds                       |      | 200                      | 219   | 201   | 237   |      | 8.7                       | 8.4    | 9.4    | 10.1   |      | 93                                   | 132   | 146   | 200   |
| 313 Beverages                                    |      | 454                      | 492   | 516   | 570   |      | 45.8                      | 52.0   | 51.6   | 66.0   |      | 697                                  | 883   | 979   | 1219  |
| 3131 Distilling, rectifying and blending spirits |      | 169                      | 180   | 218   | 209   |      | 20.5                      | 21.0   | 26.6   | 26.3   |      | 266                                  | 331   | 466   | 564   |
| 3132 Wine industries                             |      | 28                       | 36    | 27    | 56    |      | 3.8                       | 6.4    | 3.7    | 8.0    |      | 68                                   | 86    | 82    | 163   |
| 3133 Malt liquors and malt                       |      | 55                       | 63    | 55    | 66    |      | 8.7                       | 10.8   | 7.4    | 9.7    |      | 130                                  | 242   | 203   | 277   |
| 3134 Soft drinks and carbonated waters           |      | 204                      | 214   | 221   | 240   |      | 13.7                      | 14.9   | 13.9   | 13.0   |      | 163                                  | 224   | 228   | 236   |
| 314 Tobacco                                      |      | 8003                     | 7231  | 8572  | 7878  |      | 306.4                     | 381.0  | 469.6  | 434.3  |      | 1666                                 | 2196  | 2980  | 2931  |
| 321 Textiles                                     |      | 12126                    | 11962 | 12430 | 12837 |      | 1436.7                    | 1380.0 | 1437.7 | 1403.0 |      | 18123                                | 22609 | 26406 | 29367 |
| 3211 Spinning, weaving and finishing textiles    |      | 10477                    | 10238 | 10673 | 10911 |      | 1380.0                    | 1287.0 | 1386.6 | 1330.7 |      | 17692                                | 21902 | 26416 | 28103 |
| 3212 Made-up textile goods excl. wearing apparel |      | 844a/                    | 881a/ | 86    | 75    |      | 35.3a/                    | 32.3a/ | 2.2    | 2.0    |      | 364a/                                | 469a/ | 38    | 35    |
| 3213 Knitting mills                              |      | 806                      | 833   | 919   | 1021  |      | 20.4                      | 20.7   | 30.3   | 33.7   |      | 177                                  | 238   | 394   | 626   |
| 3214 Carpets and rugs                            |      | a/                       | a/    | 173   | 219   |      | a/                        | a/     | 13.3   | 8.6    |      | a/                                   | a/    | 132   | 167   |
| 3215 Cordage, rope and twine                     |      | a/                       | a/    | 314   | 338   |      | a/                        | a/     | 13.0   | 16.9   |      | a/                                   | a/    | 194   | 331   |
| 3219 Other textiles                              |      | a/                       | a/    | 286   | 276   |      | a/                        | a/     | 12.2   | 11.2   |      | a/                                   | a/    | 236   | 216   |
| 322 Wearing apparel, except footwear             |      | 1243                     | 1566  | 1544  | 1740  |      | 62.7                      | 91.0   | 104.3  | 111.6  |      | 494                                  | 983   | 1229  | 1446  |
| 323 Leather and fur products                     |      | 756                      | 814   | 839   | 926   |      | 40.1                      | 44.0   | 52.2   | 46.9   |      | 347                                  | 493   | 660   | 712   |
| 3231 Tanneries and leather finishing             |      | 701                      | 731   | 746   | 773   |      | 38.2                      | 41.9   | 48.7   | 39.6   |      | 336                                  | 472   | 623   | 636   |
| 3232 Fur dressing and dyeing industries          |      | 54b/                     | 83b/  |       |       |      | 1.9b/                     | 2.1b/  |        |        |      | 17b/                                 | 21b/  |       |       |
| 3233 Leather goods excl. wearing apparel         |      | b/                       | b/    | 93    | 162   |      | b/                        | b/     | 3.6    | 7.4    |      | b/                                   | b/    | 37    | 76    |
| 324 Footwear, except rubber or plastic           |      | 187                      | 270   | 284   | 344   |      | 31.2                      | 41.0   | 42.7   | 60.4   |      | 409                                  | 639   | 686   | 862   |
| 331 Wood products, except furniture              |      | 3271                     | 3063  | 3196  | 3114  |      | 69.5                      | 68.0   | 68.6   | 62.8   |      | 434                                  | 660   | 666   | 667   |
| 3311 Sawmills, planing and other wood mills      |      | 2709                     | 2539  | 2709  | 2623  |      | 60.6                      | 59.6   | 60.3   | 56.7   |      | 369                                  | 669   | 661   | 676   |
| 3312 Wooden and cane containers                  |      | 343                      | 306   | 236   | 220   |      | 6.0                       | 6.8    | 3.7    | 3.1    |      | 37                                   | 66    | 60    | 36    |
| 3319 Other wood and cork products                |      | 224                      | 209   | 261   | 271   |      | 4.0                       | 3.1    | 4.6    | 4.1    |      | 28                                   | 26    | 46    | 46    |
| 332 Furniture and fixtures, excl. metal          |      | 309                      | 302   | 325   | 306   |      | 8.1                       | 8.0    | 7.6    | 6.4    |      | 74                                   | 99    | 106   | 97    |
| 341 Paper and products                           |      | 1663                     | 1936  | 1967  | 2163  |      | 126.7                     | 130.0  | 136.3  | 144.3  |      | 1766                                 | 2296  | 2978  | 3437  |
| 3411 Pulp, paper and paperboard articles         |      | 802                      | 808   | 842   | 896   |      | 102.9                     | 101.7  | 107.0  | 113.9  |      | 1622                                 | 1963  | 2674  | 2984  |
| 3412 Containers of paper and paperboard          |      | 702                      | 917   | 909   | 1027  |      | 19.4                      | 22.2   | 22.7   | 24.2   |      | 206                                  | 267   | 303   | 366   |
| 3419 Other pulp, paper and paperboard articles   |      | 159                      | 211   | 216   | 241   |      | 4.4                       | 6.0    | 6.7    | 6.2    |      | 37                                   | 76    | 99    | 87    |
| 342 Printing and publishing                      |      | 3207                     | 3024  | 3131  | 3136  |      | 166.1                     | 146.0  | 141.4  | 146.8  |      | 2286                                 | 3039  | 3464  | 3949  |
| 351 Industrial chemicals                         |      | 1829                     | 1977  | 2072  | 2220  |      | 207.9                     | 210.0  | 217.8  | 226.4  |      | 6276                                 | 6910  | 8148  | 10006 |
| 3511 Basic chemicals excl. fertilizers           |      | 1040                     | 1119  | 1264  | 1377  |      | 87.8                      | 81.3   | 86.6   | 92.9   |      | 2010                                 | 2399  | 2607  | 3103  |
| 3512 Fertilizers and pesticides                  |      | 546                      | 594   | 666   | 669   |      | 80.0                      | 84.7   | 94.4   | 86.7   |      | 2043                                 | 2966  | 3866  | 4299  |
| 3513 Synthetic resins and plastic materials      |      | 243                      | 264   | 262   | 274   |      | 40.1                      | 43.9   | 36.9   | 46.8   |      | 1221                                 | 1666  | 1680  | 2604  |
| 352 Other chemicals                              |      | 4673                     | 4969  | 4669  | 4694  |      | 333.9                     | 364.0  | 360.4  | 327.1  |      | 6679                                 | 8296  | 9122  | 9410  |
| 3521 Paints, varnishes and lacquers              |      | 555                      | 722   | 820   | 863   |      | 36.3                      | 36.0   | 40.3   | 40.2   |      | 800                                  | 1086  | 1363  | 1618  |
| 3522 Drugs and medicines                         |      | 1368                     | 1664  | 1699  | 1794  |      | 118.6                     | 136.4  | 139.6  | 134.6  |      | 2870                                 | 4236  | 4720  | 4934  |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 620                      | 713   | 787   | 802   |      | 43.1                      | 47.6   | 66.3   | 60.6   |      | 779                                  | 1163  | 1313  | 1366  |
| 3529 Other chemical products                     |      | 2040                     | 1980  | 1263  | 1246  |      | 137.1                     | 144.9  | 114.3  | 101.9  |      | 1281                                 | 1813  | 1736  | 1602  |
| 353 Petroleum refineries                         |      | 15                       | 43    | 57    | 79    |      | 16.0                      | 18.0   | 19.8   | 22.2   |      | 667                                  | 984   | 1081  | 1267  |

|   |       |       |        |        |        |        |        |        |       |        |        |        |
|---|-------|-------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|
| 354 Misc petroleum and coal products            | 506   | 463   | 532    | 519    | 74 6   | 36 0   | 36 4   | 36 9   | 636   | 906    | 1012   | 1126   |
| 355 Rubber products                             | 1625  | 1691  | 1908   | 1997   | 84 9   | 99 0   | 110 2  | 112 6  | 1387  | 2202   | 2689   | 3019   |
| 3551 Tyres and tubes                            | 306   | 378   | 361    | 374    | 36 4   | 49 6   | 51 5   | 56 0   | 836   | 1401   | 1647   | 1868   |
| 3559 Other rubber products                      | 1320  | 1313  | 1547   | 1623   | 48 4   | 49 3   | 58 8   | 57 6   | 551   | 801    | 1043   | 1151   |
| 356 Plastic products                            | 1813  | 2463  | 2650   | 2694   | 66 0   | 76 0   | 74 8   | 82 7   | 641   | 1066   | 1288   | 1486   |
| 361 Pottery, china, earthenware                 | 575   | 507   | 537    | 532    | 30 8   | 31 0   | 32 8   | 28 2   | 304   | 449    | 560    | 555    |
| 362 Glass and products                          | 571   | 596   | 626    | 598    | 56 6   | 53 0   | 57 2   | 53 4   | 698   | 733    | 1064   | 964    |
| 369 Other non-metallic mineral products         | 7369  | 7922  | 7875   | 8311   | 348 6  | 354 0  | 355 0  | 360 6  | 3310  | 4466   | 6013   | 5637   |
| 3691 Structural clay products                   | 3421  | 3486  | 3515   | 3674   | 170 0  | 157 3  | 159 3  | 168 1  | 971   | 1249   | 1413   | 1638   |
| 3692 Cement, lime and plaster                   | 468   | 558   | 561    | 612    | 76 3   | 81 7   | 85 3   | 82 8   | 1431  | 1833   | 2076   | 2293   |
| 3699 Other non-metallic mineral products        | 3480  | 3878  | 3809   | 4025   | 102 2  | 115 3  | 110 3  | 109 6  | 909   | 1384   | 1626   | 1606   |
| 371 Iron and steel                              | 6155  | 5141  | 3116   | 3304   | 547 0  | 566 0  | 421 0  | 467 3  | 10276 | 14370  | 13437  | 15636  |
| 372 Non-ferrous metals                          | 922   | 1062  | 2737   | 2710   | 55 9   | 68 0   | 176 9  | 161 7  | 1132  | 1701   | 4067   | 4103   |
| 381 Fabricated metal products                   | 6307  | 6335  | 6683   | 6964   | 194 6  | 222 0  | 224 2  | 233 1  | 2616  | 4243   | 4151   | 6041   |
| 3811 Cutlery, hand tools and general hardware   | 2810  | 2660  | 2748   | 2795   | 71 0   | 71 6   | 74 9   | 71 7   | 851   | 1094   | 1294   | 1381   |
| 3812 Furniture and fixtures primarily of metal  | 225   | 284   | 383    | 388    | 11 6   | 13 8   | 7 0    | 7 3    | 349   | 619    | 111    | 119    |
| 3813 Structural metal products                  | 725   | 826   | 857    | 998    | 30 2   | 48 3   | 46 0   | 58 0   | 396   | 1044   | 901    | 1607   |
| 3819 Other fabricated metal products            | 2547  | 2566  | 2696   | 2783   | 81 7   | 87 9   | 96 3   | 96 1   | 1020  | 1486   | 1846   | 2034   |
| 382 Non-electrical machinery                    | 7648  | 7711  | 8079   | 8067   | 448 5  | 446 0  | 472 4  | 478 2  | 6412  | 10819  | 13826  | 15227  |
| 3821 Engines and turbines                       | 940   | 902   | 783    | 763    | 81 2   | 73 9   | 70 9   | 60 2   | 1660  | 2173   | 2364   | 1991   |
| 3822 Agricultural machinery and equipment       | 802   | 775   | 893    | 853    | 40 4   | 43 7   | 37 8   | 42 4   | 724   | 1053   | 1074   | 1454   |
| 3823 Metal and wood working machinery           | 1076  | 1051  | 1049   | 993    | 61 2   | 46 1   | 52 0   | 46 2   | 1193  | 1160   | 1516   | 1479   |
| 3824 Other special industrial machinery         | 2381  | 2540  | 2761   | 2769   | 128 7  | 144 4  | 144 9  | 146 7  | 2346  | 3248   | 3825   | 4170   |
| 3825 Office, computing and accounting machinery | 153   | 115   | 230    | 257    | 8 9    | 7 9    | 14 0   | 27 3   | 173   | 188    | 884    | 1023   |
| 3829 Other non-electrical machinery & equipment | 2296  | 2328  | 2363   | 2432   | 128 1  | 129 7  | 140 8  | 166 3  | 2326  | 2996   | 4223   | 5110   |
| 383 Electrical machinery                        | 4066  | 4496  | 4658   | 4856   | 353 5  | 380 0  | 366 6  | 389 4  | 7226  | 10464  | 11277  | 13090  |
| 3831 Electrical industrial machinery            | 1129  | 1378  | 1587   | 1706   | 129 2  | 132 7  | 139 6  | 154 9  | 3012  | 4261   | 6063   | 6228   |
| 3832 Radio, television and communication equipm | 948   | 1178  | 1134   | 1173   | 88 6   | 107 2  | 116 1  | 114 8  | 1612  | 2687   | 3336   | 3602   |
| 3833 Electrical appliances and housewares       | 1049  | 939   | 630    | 682    | 46 4   | 44 0   | 20 9   | 27 4   | 710   | 882    | 420    | 678    |
| 3839 Other electrical apparatus and supplies    | 940   | 1001  | 1307   | 1296   | 87 3   | 96 9   | 90 0   | 92 3   | 1892  | 2634   | 2460   | 2762   |
| 384 Transport equipment                         | 3267  | 3345  | 4830   | 4890   | 477 1  | 512 0  | 600 6  | 644 6  | 9766  | 14083  | 18623  | 21264  |
| 3841 Shipbuilding and repairing                 | 203   | 113   | 146    | 151    | 27 9   | 17 9   | 28 2   | 18 2   | 631   | 469    | 871    | 642    |
| 3842 Railroad equipment                         | 238   | 286   | 255    | 285    | 184 1  | 187 9  | 174 2  | 196 9  | 3371  | 5062   | 6021   | 6883   |
| 3843 Motor vehicles                             | 1594  | 1498  | 2726   | 2832   | 178 9  | 187 6  | 275 7  | 299 6  | 4383  | 6876   | 9390   | 10943  |
| 3844 Motorcycles and bicycles                   | 968   | 1151  | 1243   | 1177   | 72 7   | 91 2   | 98 5   | 106 1  | 1106  | 1818   | 2403   | 2891   |
| 3845 Aircraft                                   | 11    | 19    | 20     | 22     | 6 9    | 8 3    | 7 6    | 6 1    | 227   | 475    | 560    | 488    |
| 3849 Other transport equipment                  | 253   | 278   | 440    | 423    | 7 6    | 18 7   | 16 4   | 17 8   | 88    | 393    | 278    | 397    |
| 385 Professional and scientific equipment       | 769   | 840   | 825    | 739    | 41 9   | 51 0   | 60 9   | 49 4   | 694   | 1081   | 1124   | 1340   |
| 3851 Prof and scientific equipment n e c        | 463   | 512   | 499    | 458    | 26 2   | 31 6   | 27 0   | 29 4   | 422   | 670    | 613    | 792    |
| 3852 Photographic and optical goods             | 83    | 93    | 107    | 120    | 1 9    | 2 0    | 2 9    | 3 1    | 24    | 27     | 67     | 65     |
| 3853 Watches and clocks                         | 223   | 235   | 219    | 161    | 14 8   | 17 5   | 21 0   | 16 9   | 248   | 386    | 464    | 483    |
| 390 Other manufacturing industries              | 956   | 952   | 970    | 1020   | 31 0   | 36 0   | 39 2   | 42 9   | 389   | 613    | 764    | 808    |
| 3901 Jewellery and related articles             | 211   | 298   | 270    | 265    | 10 8   | 10 0   | 12 1   | 19 2   | 196   | 96     | 175    | 421    |
| 3902 Musical instruments                        | 15    | 15    | 11     | 16     | 0 4    | 1 4    | 1 3    | 1 5    | 3     | 34     | 35     | 44     |
| 3903 Sporting and athletic goods                | 66    | 72    | 75     | 78     | 2 5    | 2 6    | 2 6    | 2 7    | 22    | 38     | 35     | 41     |
| 3909 Manufacturing industries, n e c            | 664   | 567   | 614    | 671    | 17 3   | 22 2   | 23 3   | 19 6   | 167   | 446    | 510    | 302    |
| 3 Total manufacturing                           | 96908 | 99724 | 104760 | 106966 | 6578 5 | 6844 0 | 7227 6 | 7299 2 | 92404 | 128091 | 151090 | 170419 |

a/ 3212 includes 3214, 3215 and 3219

b/ 3232 includes 3233

## India

## Output in factor values

(million RUPEES)

| ISIC Industry                                    | Note | Output in factor values<br>(million RUPEES) |        |        |        |
|--|------|---|--------|--------|--------|
|  |      | 1985  | 1988   | 1989   | 1990   |
| 311/2 Food Products                              |      | 150285                                      | 245100 | 328001 | 366782 |
| 3111 Slaughtering, preparing & preserving meat   |      | 377   | 518    | 824    | 1010   |
| 3112 Dairy products                              |      | 17771                                       | 26375  | 37781  | 34427  |
| 3113 Canning, preserving of fruits & vegetables  |      | 1382  | 1616   | 2188   | 1602   |
| 3114 Canning, preserving and processing of fish  |      | 2628  | 3856   | 4595   | 6111   |
| 3115 Vegetable and animal oils and fats          |      | 29800                                       | 50298  | 87380  | 98999  |
| 3116 Grain mill products                         |      | 34099                                       | 56822  | 64484  | 72330  |
| 3117 Bakery products                             |      | 4267  | 6102   | 7220   | 9307   |
| 3118 Sugar factories and refineries              |      | 29416                                       | 60090  | 69061  | 80481  |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 2073  | 3495   | 1670   | 2024   |
| 3121 Other food products                         |      | 26024                                       | 31582  | 48082  | 53616  |
| 3122 Prepared animal feeds                       |      | 2449  | 4373   | 4716   | 6876   |
| 313 Beverages                                    |      | 7829  | 13300  | 14826  | 18981  |
| 3131 Distilling, rectifying and blending spirits |      | 3224  | 5201   | 7308   | 8132   |
| 3132 Wine industries                             |      | 850   | 952    | 1120   | 2523   |
| 3133 Malt liquors and malt                       |      | 2312  | 4789   | 3650   | 5466   |
| 3134 Soft drinks and carbonated waters           |      | 1443  | 2358   | 2748   | 2861   |
| 314 Tobacco                                      |      | 13888                                       | 21400  | 27948  | 34615  |
| 321 Textiles                                     |      | 139466                                      | 179300 | 243936 | 282036 |
| 3211 Spinning, weaving and finishing textiles    |      | 131586                                      | 168623 | 225831 | 261674 |
| 3212 Made-up textile goods excl. wearing apparel |      | 3828a/                                      | 5920a/ | 703    | 607    |
| 3213 Knitting mills                              |      | 4052  | 4757   | 9474   | 9786   |
| 3214 Carpets and rugs                            |      | a/  | a/     | 1996   | 2697   |
| 3215 Cordage, rope and twine                     |      | a/  | a/     | 2380   | 3736   |
| 3219 Other textiles                              |      | a/  | a/     | 3552   | 3538   |
| 322 Wearing apparel, except footwear             |      | 7345  | 15800  | 20653  | 24770  |
| 323 Leather and fur products                     |      | 6693  | 11000  | 13894  | 16919  |
| 3231 Tanneries and leather finishing             |      | 6579  | 10711  | 13199  | 14366  |
| 3232 Fur dressing and dyeing industries          |      | 114b/                                       | 289b/  |        |        |
| 3233 Leather prods. excl. wearing apparel        |      | b/  | b/     | 695    | 1654   |
| 324 Footwear, except rubber or plastic           |      | 3014  | 4900   | 6632   | 10718  |
| 331 Wood products, except furniture              |      | 4307  | 7500   | 7617   | 8436   |
| 3311 Sawmills, planing and other wood mills      |      | 3620  | 6397   | 6630   | 7472   |
| 3312 Wooden and cane containers                  |      | 466   | 789    | 800    | 493    |
| 3319 Other wood and cork products                |      | 222   | 279    | 487    | 471    |
| 332 Furniture and fixtures, excl. metal          |      | 382   | 700    | 625    | 614    |
| 341 Paper and products                           |      | 20349                                       | 30200  | 42376  | 50741  |
| 3411 Pulp, paper and paperboard articles         |      | 16836                                       | 25028  | 34764  | 42066  |
| 3412 Containers of paper and paperboard          |      | 2945  | 4229   | 5797   | 7211   |
| 3419 Other pulp, paper and paperboard articles   |      | 568   | 934    | 1825   | 1474   |
| 342 Printing and publishing                      |      | 11703                                       | 17900  | 20328  | 23081  |
| 351 Industrial chemicals                         |      | 83384                                       | 123500 | 160970 | 191064 |
| 3511 Basic chemicals excl. fertilizers           |      | 26898                                       | 40353  | 45093  | 56723  |
| 3512 Fertilizers and pesticides                  |      | 39346                                       | 58532  | 83005  | 89419  |
| 3513 Synthetic resins and plastic materials      |      | 17339                                       | 24587  | 32872  | 44922  |
| 352 Other chemicals                              |      | 76741                                       | 115200 | 130897 | 140417 |
| 3521 Paints, varnishes and lacquers              |      | 9752  | 14545  | 23629  | 24641  |
| 3522 Drugs and medicines                         |      | 26177                                       | 41819  | 52793  | 58896  |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      | 15566                                       | 22572  | 30557  | 30879  |
| 3529 Other chemical products                     |      | 25247                                       | 36246  | 24018  | 25002  |
| 353 Petroleum refineries                         |      | 100249                                      | 118100 | 134638 | 189133 |

## Value added in factor values

(million RUPEES)

| ISIC Industry                                    | Note | Value added in factor values<br>(million RUPEES) |        |       |       | Share of value added in output<br>(percentage) |      | Share of wages and salaries in value added<br>(percentage) |      |
|--|------|--|--------|-------|-------|--|------|--|------|
|  |      | 1985   | 1988   | 1989  | 1990  | 1985   | 1990 | 1985   | 1990 |
| 311/2 Food Products                              |      | 17764  | 28598  | 40679 | 38724 | 11.8   | 10.6 | 41.2   | 41.0 |
| 3111 Slaughtering, preparing & preserving meat   |      | 48   | 92     | 140   | 162   | 12.7   | 16.0 |  | 56.2 |
| 3112 Dairy products                              |      | 696  | 2179   | 5401  | 3064  | 3.9  | 8.9  |  | 57.0 |
| 3113 Canning, preserving of fruits & vegetables  |      | 268  | 204    | 260   | 309   | 19.4   | 19.3 | 41.0   | 63.1 |
| 3114 Canning, preserving and processing of fish  |      | 200  | 396    | 451   | 437   | 7.6  | 7.2  | 39.6   | 32.3 |
| 3115 Vegetable and animal oils and fats          |      | 2049   | 2583   | 4977  | 6383  | 6.9  | 6.4  | 26.1   | 23.0 |
| 3116 Grain mill products                         |      | 2484   | 3324   | 3221  | 4167  | 7.2  | 6.8  | 34.1   | 41.2 |
| 3117 Bakery products                             |      | 796  | 1107   | 1411  | 1616  | 18.7   | 17.4 | 53.6   | 44.4 |
| 3118 Sugar factories and refineries              |      | 5151   | 11876  | 13528 | 10431 | 17.6   | 13.0 | 66.6   | 67.7 |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 338  | 832    | 297   | 489   | 16.3   | 24.2 | 64.2   | 28.0 |
| 3121 Other food products                         |      | 6492   | 6683   | 10582 | 11076 | 21.1   | 20.7 | 23.3   | 22.1 |
| 3122 Prepared animal feeds                       |      | 264  | 323    | 411   | 601   | 10.8   | 8.7  | 36.2   | 33.3 |
| 313 Beverages                                    |      | 1666   | 3066   | 3364  | 4312  | 21.3   | 22.7 | 35.8   | 28.3 |
| 3131 Distilling, rectifying and blending spirits |      | 717  | 1408   | 1856  | 1839  | 22.2   | 22.6 | 35.7   | 30.1 |
| 3132 Wine industries                             |      | 250  | 244    | 300   | 691   | 29.4   | 23.4 | 23.2   | 26.9 |
| 3133 Malt liquors and malt                       |      | 438  | 933    | 690   | 1261  | 18.9   | 23.1 | 29.7   | 27.0 |
| 3134 Soft drinks and carbonated waters           |      | 262  | 481    | 619   | 621   | 18.2   | 21.7 | 68.4   | 37.8 |
| 314 Tobacco                                      |      | 2851   | 5860   | 7048  | 8666  | 20.6   | 24.7 | 64.6   | 34.2 |
| 321 Textiles                                     |      | 26414  | 32449  | 48020 | 57129 | 18.9   | 20.3 | 68.6   | 61.4 |
| 3211 Spinning, weaving and finishing textiles    |      | 25200  | 30621  | 46096 | 53442 | 19.2   | 20.4 | 69.8   | 62.6 |
| 3212 Made-up textile goods excl. wearing apparel |      | 719a/  | 1039a/ | 118   | 73    | 18.8   | 12.0 | 49.2   | 47.9 |
| 3213 Knitting mills                              |      | 496  | 888    | 1446  | 1674  | 12.2   | 17.1 | 35.8   | 31.4 |
| 3214 Carpets and rugs                            |      | a/   | a/     | 381   | 633   |  | 23.6 |  | 24.8 |
| 3215 Cordage, rope and twine                     |      | a/   | a/     | 468   | 818   |  | 21.9 |  | 40.6 |
| 3219 Other textiles                              |      | a/   | a/     | 511   | 489   |  | 13.8 |  | 44.0 |
| 322 Wearing apparel, except footwear             |      | 1073   | 3099   | 4129  | 5636  | 14.6   | 22.3 | 46.0   | 26.1 |
| 323 Leather and fur products                     |      | 641  | 1229   | 1602  | 2164  | 9.6  | 13.6 | 64.1   | 33.1 |
| 3231 Tanneries and leather finishing             |      | 605  | 1171   | 1481  | 1911  | 9.2  | 13.3 | 55.4   | 33.3 |
| 3232 Fur dressing and dyeing industries          |      | 38b/   | 58b/   |       |       | 31.6   |      | 33.3   |      |
| 3233 Leather prods. excl. wearing apparel        |      | b/   | b/     | 121   | 243   |  | 16.6 |  | 31.3 |
| 324 Footwear, except rubber or plastic           |      | 638  | 766    | 1226  | 1828  | 21.2   | 17.1 | 64.1   | 47.2 |
| 331 Wood products, except furniture              |      | 899  | 1288   | 1237  | 1777  | 20.9   | 21.1 | 48.3   | 37.0 |
| 3311 Sawmills, planing and other wood mills      |      | 759  | 1113   | 1039  | 1611  | 21.0   | 21.6 | 48.6   | 36.8 |
| 3312 Wooden and cane containers                  |      | 95   | 119    | 98    | 74    | 20.4   | 16.0 | 38.9   | 47.3 |
| 3319 Other wood and cork products                |      | 46   | 56     | 101   | 92    | 20.7   | 19.6 | 60.9   | 60.0 |
| 332 Furniture and fixtures, excl. metal          |      | 81   | 134    | 130   | 134   | 21.2   | 26.1 | 91.4   | 72.4 |
| 341 Paper and products                           |      | 2077   | 4646   | 8134  | 10049 | 14.1   | 19.8 | 61.4   | 34.2 |
| 3411 Pulp, paper and paperboard articles         |      | 2381   | 4009   | 7069  | 8631  | 14.1   | 20.6 | 63.9   | 34.6 |
| 3412 Containers of paper and paperboard          |      | 333  | 663    | 631   | 1263  | 11.3   | 17.6 | 61.9   | 29.0 |
| 3419 Other pulp, paper and paperboard articles   |      | 163  | 83     | 244   | 166   | 28.7   | 10.6 | 22.7   | 56.1 |
| 342 Printing and publishing                      |      | 3464   | 4791   | 5180  | 5948  | 29.6   | 26.8 | 66.0   | 66.4 |
| 351 Industrial chemicals                         |      | 14838  | 23427  | 26486 | 32086 | 17.8   | 16.6 | 35.6   | 31.2 |
| 3511 Basic chemicals excl. fertilizers           |      | 6088   | 10363  | 9360  | 12676 | 19.1   | 22.2 | 39.6   | 24.7 |
| 3512 Fertilizers and pesticides                  |      | 5919   | 8816   | 9689  | 11826 | 16.0   | 13.2 | 34.6   | 36.4 |
| 3513 Synthetic resins and plastic materials      |      | 3830   | 4249   | 7447  | 7684  | 22.1   | 17.1 | 31.9   | 33.9 |
| 352 Other chemicals                              |      | 14172  | 20933  | 26636 | 28784 | 18.6   | 20.6 | 40.1   | 32.7 |
| 3521 Paints, varnishes and lacquers              |      | 1806   | 2648   | 4786  | 6269  | 18.6   | 21.3 | 44.3   | 28.9 |
| 3522 Drugs and medicines                         |      | 6481   | 10146  | 11949 | 13226 | 24.8   | 22.1 | 43.6   | 37.3 |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      | 2547   | 3618   | 4498  | 6372  | 16.4   | 17.4 | 30.6   | 26.2 |
| 3529 Other chemical products                     |      | 4732   | 4620   | 4602  | 4927  | 18.7   | 19.7 | 27.1   | 32.6 |
| 353 Petroleum refineries                         |      | 4259   | 11366  | 16779 | 18768 | 4.2  | 9.9  | 16.7   | 6.7  |

|   |         |         |         |         |        |        |        |        |      |      |      |      |
|---|---------|---------|---------|---------|--------|--------|--------|--------|------|------|------|------|
| 354 Misc petroleum and coal products            | 16255   | 21300   | 22139   | 20048   | 1885   | 3496   | 2380   | 2611   | 11 6 | 13 0 | 33 7 | 43 1 |
| 355 Rubber products                             | 21369   | 40600   | 42264   | 53237   | 4487   | 8411   | 7013   | 9907   | 21 0 | 18 6 | 30 9 | 30 6 |
| 3551 Tyres and tubes                            | 14779   | 23729   | 28598   | 31223   | 3184   | 5565   | 4873   | 5813   | 21 5 | 18 6 | 26 3 | 32 1 |
| 3559 Other rubber products                      | 6590    | 16855   | 13666   | 22014   | 1303   | 2846   | 2140   | 4094   | 19 8 | 18 6 | 42 3 | 28 1 |
| 356 Plastic products                            | 11484   | 22100   | 26937   | 32771   | 2067   | 3358   | 3439   | 5201   | 17 9 | 16 9 | 31 2 | 28 6 |
| 361 Pottery, china, earthenware                 | 1565    | 2800    | 3212    | 3420    | 334    | 875    | 908    | 932    | 21 3 | 27 3 | 91 0 | 69 6 |
| 362 Glass and products                          | 4764    | 5900    | 9866    | 8757    | 1256   | 1451   | 2179   | 1943   | 26 3 | 22 2 | 47 6 | 49 6 |
| 369 Other non-metallic mineral products         | 38787   | 56000   | 64662   | 80014   | 9587   | 10619  | 13178  | 19836  | 24 7 | 24 5 | 34 5 | 28 2 |
| 3691 Structural clay products                   | 5358    | 8892    | 9221    | 11308   | 1653   | 2226   | 2305   | 2911   | 29 0 | 25 7 | 62 5 | 56 3 |
| 3692 Cement, lime and plaster                   | 23872   | 33189   | 38017   | 50252   | 5759   | 5381   | 6992   | 12430  | 24 1 | 24 7 | 24 8 | 18 4 |
| 3699 Other non-metallic mineral products        | 9558    | 13877   | 17424   | 18454   | 2275   | 2912   | 3880   | 4295   | 23 8 | 23 3 | 40 0 | 37 4 |
| 371 Iron and steel                              | 126429  | 199500  | 219547  | 274444  | 22137  | 34479  | 29867  | 44654  | 17 5 | 16 3 | 46 4 | 36 0 |
| 372 Non-ferrous metals                          | 16756   | 36400   | 65018   | 64527   | 1424   | 6620   | 13610  | 11442  | 8 5  | 17 7 | 79 5 | 36 9 |
| 381 Fabricated metal products                   | 23514   | 40500   | 49278   | 58551   | 5260   | 9835   | 9854   | 10745  | 22 4 | 18 4 | 49 7 | 45 9 |
| 3811 Cutlery, hand tools and general hardware   | 6796    | 9548    | 12425   | 15112   | 1533   | 2564   | 2848   | 3078   | 22 6 | 20 4 | 55 5 | 44 9 |
| 3812 Furniture and fixtures primarily of metal  | 2094    | 4137    | 793     | 774     | 636    | 1936   | 167    | 165    | 30 4 | 21 3 | 54 9 | 72 1 |
| 3813 Structural metal products                  | 2758    | 7010    | 7267    | 11029   | 848    | 1493   | 1570   | 2064   | 30 7 | 18 6 | 46 7 | 73 4 |
| 3819 Other fabricated metal products            | 11865   | 19652   | 28793   | 31636   | 2243   | 3853   | 6280   | 6448   | 18 9 | 17 2 | 46 5 | 37 3 |
| 382 Non-electrical machinery                    | 68907   | 97500   | 137356  | 158599  | 18627  | 21229  | 31172  | 35209  | 27 0 | 22 2 | 46 2 | 43 2 |
| 3821 Engines and turbines                       | 17777   | 21283   | 24732   | 24459   | 4940   | 4284   | 4938   | 4564   | 27 8 | 18 7 | 33 4 | 43 6 |
| 3822 Agricultural machinery and equipment       | 8107    | 13561   | 15029   | 21852   | 1681   | 2293   | 2795   | 4298   | 20 7 | 19 7 | 43 1 | 33 8 |
| 3823 Metal and wood working machinery           | 6294    | 6571    | 9125    | 9542    | 2324   | 1846   | 2556   | 2734   | 36 9 | 28 7 | 51 3 | 54 1 |
| 3824 Other special industrial machinery         | 17871   | 29061   | 39170   | 43849   | 4581   | 6111   | 8540   | 9222   | 25 6 | 21 0 | 51 2 | 45 2 |
| 3825 Office, computing and accounting machinery | 891     | 1139    | 12202   | 12227   | 369    | 410    | 3108   | 2832   | 41 4 | 23 2 | 46 9 | 36 1 |
| 3829 Other non-electrical machinery & equipment | 17967   | 25866   | 37097   | 46670   | 4732   | 6286   | 9236   | 11658  | 26 3 | 24 8 | 49 2 | 44 2 |
| 383 Electrical machinery                        | 63295   | 116000  | 133084  | 155713  | 14859  | 26559  | 30213  | 35161  | 23 5 | 22 5 | 48 6 | 37 2 |
| 3831 Electrical industrial machinery            | 22135   | 37259   | 46365   | 60336   | 6130   | 9774   | 12664  | 16875  | 27 7 | 28 0 | 49 1 | 36 9 |
| 3832 Radio, television and communication equipm | 13766   | 30780   | 43119   | 43915   | 3612   | 6606   | 9508   | 8868   | 26 2 | 20 2 | 44 6 | 39 5 |
| 3833 Electrical appliances and housewares       | 6350    | 9732    | 8066    | 8878    | 1340   | 1987   | 983    | 1416   | 21 1 | 16 9 | 53 0 | 40 8 |
| 3839 Other electrical apparatus and supplies    | 21044   | 36189   | 37534   | 42584   | 3777   | 8194   | 7158   | 8011   | 17 9 | 18 8 | 50 1 | 34 7 |
| 384 Transport equipment                         | 63650   | 110800  | 141791  | 170224  | 15226  | 23307  | 31089  | 41563  | 23 9 | 24 4 | 64 1 | 61 1 |
| 3841 Shipbuilding and repairing                 | 2093    | 1413    | 3624    | 2986    | 444    | 527    | 579    | 753    | 21 2 | 25 2 |      | 72 0 |
| 3842 Railroad equipment                         | 9910    | 17561   | 19073   | 21631   | 3056   | 4670   | 7235   | 8253   | 30 8 | 38 3 |      | 72 5 |
| 3843 Motor vehicles                             | 36871   | 59033   | 82205   | 97490   | 9120   | 13216  | 18589  | 24006  | 24 7 | 24 6 | 48 1 | 45 6 |
| 3844 Motorcycles and bicycles                   | 12616   | 24208   | 30177   | 41506   | 2165   | 3343   | 3501   | 7281   | 17 2 | 17 5 | 51 0 | 39 7 |
| 3845 Aircraft                                   | 1505    | 6397    | 3863    | 2894    | 296    | 991    | 649    | 606    | 19 7 | 20 9 | 76 7 | 82 2 |
| 3849 Other transport equipment                  | 656     | 2143    | 2849    | 3817    | 146    | 660    | 637    | 666    | 22 3 | 17 4 | 60 3 | 69 7 |
| 385 Professional and scientific equipment       | 4927    | 7700    | 9410    | 12311   | 1463   | 2236   | 2806   | 2890   | 29 7 | 23 5 | 47 4 | 46 4 |
| 3851 Prof and scientific equipment n e c        | 3039    | 4624    | 4620    | 7116    | 889    | 1383   | 1463   | 1876   | 28 5 | 26 3 | 48 6 | 42 2 |
| 3852 Photographic and optical goods             | 305     | 255     | 530     | 539     | 59     | 71     | 143    | 106    | 19 3 | 19 5 | 40 7 | 61 9 |
| 3853 Watches and clocks                         | 1584    | 2828    | 4260    | 4656    | 535    | 806    | 1210   | 910    | 33 8 | 19 5 | 46 4 | 53 1 |
| 390 Other manufacturing industries              | 4900    | 5900    | 10462   | 9713    | 1806   | 1226   | 1875   | 1604   | 36 9 | 16 5 | 21 5 | 50 4 |
| 3901 Jewellery and related articles             | 2765    | 1855    | 5017    | 3959    | 1789   | 355    | 687    | 473    | 64 7 | 11 9 | 11 0 | 89 0 |
| 3902 Musical instruments                        | 19      | 149     | 293     | 368     | 6      | 18     | 93     | 94     | 31 6 | 25 6 | 50 0 | 46 8 |
| 3903 Sporting and athletic goods                | 223     | 398     | 453     | 595     | 49     | 78     | 83     | 115    | 22 0 | 19 3 | 44 9 | 35 7 |
| 3909 Manufacturing industries, n e c            | 1894    | 3496    | 4699    | 4791    | 562    | 765    | 1013   | 922    | 29 7 | 19 2 | 29 7 | 32 8 |
| 3 Total manufacturing                           | 1092237 | 1666900 | 2088366 | 2459615 | 192044 | 295243 | 369352 | 439294 | 17 6 | 17 9 | 48 1 | 38 8 |

a/ 3212 includes 3214, 3215 and 3219

b/ 3232 includes 3233

## India

## Gross fixed capital formation

(million RUPEES)

| ISIC Industry                             | Note | Gross fixed capital formation |        |        |      |
|---|------|-------------------------------|--------|--------|------|
|   |      | 1985                          | 1988   | 1989   | 1990 |
| 311/2 Food Products                       |      | 4486                          | 7813   | 13927  |      |
| 313 Beverages                             |      | 491                           | 1975   | 1210   |      |
| 314 Tobacco                               |      | 183                           | 838    | 367    |      |
| 321 Textiles                              |      | 8231                          | 7704   | 12179  |      |
| 322 Wearing apparel, except footwear      |      | 164                           | 629    | 710    |      |
| 323 Leather and fur products              |      | 207                           | 328    | 383    |      |
| 324 Footwear, except rubber or plastic    |      | 87                            | 369    | 273    |      |
| 331 Wood products, except furniture       |      | 147                           | 754    | 325    |      |
| 332 Furniture and fixtures, excl metal    |      | 6                             | 31     | 10     |      |
| 341 Paper and products                    |      | 2921                          | 2986   | 2759   |      |
| 342 Printing and publishing               |      | 1134                          | 1127   | 710    |      |
| 351 Industrial chemicals                  |      | 8677                          | 14717  | 20259  |      |
| 352 Other chemicals                       |      | 3090                          | 4485   | 6157   |      |
| 353 Petroleum refineries                  |      | 3766                          | 3805   | 3698   |      |
| 354 Misc petroleum and coal products      |      | 433                           | 529    | 883    |      |
| 355 Rubber products                       |      | 1598                          | 2510   | 2521   |      |
| 356 Plastic products                      |      | 715                           | 1063   | 1339   |      |
| 361 Pottery, china, earthenware           |      | 151                           | 866    | 513    |      |
| 362 Glass and products                    |      | 317                           | 644    | 842    |      |
| 369 Other non-metallic mineral products   |      | 5859                          | 8395   | 7933   |      |
| 371 Iron and steel                        |      | 17048                         | 16280  | 20516  |      |
| 372 Non-ferrous metals                    |      | 893                           | 3207   | 3643   |      |
| 381 Fabricated metal products             |      | 881                           | 1552   | 1990   |      |
| 382 Non-electrical machinery              |      | 5904                          | 4791   | 7872   |      |
| 383 Electrical machinery                  |      | 3518                          | 8836   | 6038   |      |
| 384 Transport equipment                   |      | 6063                          | 6731   | 7693   |      |
| 385 Professional and scientific equipment |      | 295                           | 996    | 1044   |      |
| 390 Other manufacturing industries        |      | 118                           | 278    | 389    |      |
| 3 Total manufacturing                     |      | 76883                         | 104239 | 126171 |      |

a/ 313 includes 314

## Index numbers of industrial production

(1980=100)

| ISIC Industry                             | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |  |  |
|---|------|--|------|------|------|------|------|------|------|------|--|--|
|   |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |  |  |
| 311/2 Food Products                       |      | 119                                    | 127  | 134  | 140  | 151  | 151  | 170  | 177  | 168  |  |  |
| 313 Beverages                             | a/   | 149                                    | 155  | 148  | 116  | 123  | 140  | 139  | 168  | 148  |  |  |
| 314 Tobacco                               | a/   |  |      |      |      |      |      |      |      |      |  |  |
| 321 Textiles                              |      | 99                                     | 109  | 107  | 115  | 107  | 108  | 122  | 124  | 123  |  |  |
| 322 Wearing apparel, except footwear      | b/   | 112                                    | 145  | 142  | 123  | 157  | 188  | 157  | 144  | 134  |  |  |
| 323 Leather and fur products              |      | 113                                    | 118  | 109  | 126  | 116  | 119  | 136  | 122  | 128  |  |  |
| 324 Footwear, except rubber or plastic    | b/   |  |      |      |      |      |      |      |      |      |  |  |
| 331 Wood products, except furniture       |      | 117                                    | 130  | 133  | 103  | 96   | 97   | 108  | 110  | 104  |  |  |
| 332 Furniture and fixtures, excl metal    |      |  |      |      |      |      |      |      |      |      |  |  |
| 341 Paper and products                    |      | 142                                    | 156  | 174  | 181  | 183  | 194  | 208  | 223  | 235  |  |  |
| 342 Printing and publishing               |      |  |      |      |      |      |      |      |      |      |  |  |
| 351 Industrial chemicals                  |      | 160                                    | 172  | 199  | 215  | 261  | 264  | 287  | 297  | 344  |  |  |
| 352 Other chemicals                       |      | 119                                    | 127  | 148  | 183  | 204  | 222  | 234  | 224  | 219  |  |  |
| 353 Petroleum refineries                  |      | 139                                    | 162  | 176  | 189  | 191  | 206  | 206  | 206  | 218  |  |  |
| 354 Misc petroleum and coal products      |      | 121                                    | 126  | 123  | 104  | 133  | 146  | 168  | 156  | 154  |  |  |
| 355 Rubber products                       |      |  |      |      |      |      |      |      |      |      |  |  |
| 356 Plastic products                      |      |  |      |      |      |      |      |      |      |      |  |  |
| 361 Pottery, china, earthenware           |      | 119                                    | 133  | 140  | 155  | 163  | 161  | 176  | 191  | 192  |  |  |
| 362 Glass and products                    |      | 143                                    | 140  | 148  | 180  | 214  | 220  | 214  | 235  | 225  |  |  |
| 369 Other non-metallic mineral products   |      |  |      |      |      |      |      |      |      |      |  |  |
| 371 Iron and steel                        |      | 118                                    | 130  | 139  | 150  | 164  | 160  | 169  | 156  | 155  |  |  |
| 372 Non-ferrous metals                    |      | 122                                    | 127  | 131  | 136  | 150  | 158  | 180  | 176  | 176  |  |  |
| 381 Fabricated metal products             |      | 144                                    | 193  | 220  | 320  | 343  | 383  | 531  | 495  | 529  |  |  |
| 382 Non-electrical machinery              |      | 128                                    | 131  | 138  | 149  | 161  | 173  | 190  | 184  | 192  |  |  |
| 383 Electrical machinery                  |      | 94                                     | 86   | 107  | 267  | 258  | 281  | 284  | 221  | 206  |  |  |
| 384 Transport equipment                   |      |  |      |      |      |      |      |      |      |      |  |  |
| 385 Professional and scientific equipment |      |  |      |      |      |      |      |      |      |      |  |  |
| 390 Other manufacturing industries        |      | 33                                     | 46   | 64   | 31   | 48   | 49   | 37   | 38   | 38   |  |  |

b/ 322 includes 324



## INDONESIA

**Supplier of information:**

Central Bureau of Statistics, Jakarta.

**Basic source of data:**

Annual industrial survey.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

The survey covers large establishments (with 100 and more persons engaged) and medium scale establishments (with 20-99 persons engaged). The survey does not cover petroleum manufacturing activities (ISIC 353 and 354) nor manufacturing activities on agricultural estates of tea, tobacco and rubber.

**Method of enumeration:**

Complete enumeration. For provinces where establishments are concentrated the enquiry is carried out by field enumerators through direct interviews, elsewhere it is carried out by mail.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Wages and salaries represents employment costs, which include employers' contributions to pension and health insurance schemes.

Output comprises: (a) value of all products of the establishment; (b) net change in the value of semi-finished goods and work in progress during the year; (c) receipts from industrial and non-industrial services rendered to others; (d) value of goods shipped in the same condition as received; and (e) the value of electricity sold.

Value added is output less the cost of the following inputs: raw materials, auxiliary materials, packing materials, oils, fuels, gas and electricity consumed and industrial and non-industrial services rendered by others.

Gross fixed capital formation represents the value of acquisitions of new and used fixed assets; sales are not taken into account.

**Related national publications:**

Industrial Statistics (Survey of Manufacturing Industries) Volumes I and II (annual), published by the Central Bureau of Statistics, Jakarta

## Indonesia

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note | Number of employees |       |       |       | Note | Wages and salaries paid to employees |       |       |       |
|--|------|--------------------------|------|------|------|------|---------------------|-------|-------|-------|------|--------------------------------------|-------|-------|-------|
|  |      | (numbers)                |      |      |      |      | (thousands)         |       |       |       |      | (billion RUPIAHS)                    |       |       |       |
|  |      | 1985                     | 1987 | 1988 | 1989 |      | 1985                | 1987  | 1988  | 1989  |      | 1985                                 | 1987  | 1988  | 1989  |
| 311/2 Food Products                              |      | 2842                     | 2858 | 3218 | 3193 |      | 300.2               | 325.7 | 358.6 | 358.7 |      | 270.0                                | 360.0 | 424.0 | 534.0 |
| 3111 Slaughtering, preparing & preserving meat   |      | 35                       | 39   | 39   | 36   |      | 2.2                 | 2.9   | 4.0   | 4.6   |      | 1.8                                  | 3.5   | 4.4   | 6.0   |
| 3112 Dairy products                              |      | 33                       | 31   | 30   | 29   |      | 4.3                 | 5.8   | 4.1   | 4.7   |      | 10.6                                 | 12.3  | 14.4  | 19.2  |
| 3113 Canning, preserving of fruits & vegetables  |      | 13                       | 14   | 13   | 13   |      | 1.6                 | 6.2   | 7.3   | 9.0   |      | 0.9                                  | 2.4   | 3.0   | 5.0   |
| 3114 Canning, preserving and processing of fish  |      | 108                      | 123  | 169  | 192  |      | 9.9                 | 12.4  | 19.0  | 23.6  |      | 7.0                                  | 10.0  | 16.7  | 22.9  |
| 3115 Vegetable and animal oils and fats          |      | 222                      | 222  | 230  | 228  |      | 30.8                | 47.6  | 48.8  | 48.6  |      | 35.2                                 | 67.5  | 73.6  | 96.0  |
| 3116 Grain mill products                         |      | 371                      | 376  | 443  | 420  |      | 32.4                | 36.1  | 48.9  | 41.2  |      | 23.0                                 | 28.3  | 41.8  | 75.6  |
| 3117 Bakery products                             |      | 295                      | 297  | 325  | 293  |      | 18.8                | 19.7  | 20.6  | 20.9  |      | 9.3                                  | 13.0  | 16.6  | 19.0  |
| 3118 Sugar factories and refineries              |      | 72                       | 68   | 68   | 67   |      | 98.1                | 79.9  | 75.7  | 74.1  |      | 115.2                                | 124.8 | 133.9 | 149.3 |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 103                      | 96   | 104  | 99   |      | 7.7                 | 7.4   | 8.0   | 9.1   |      | 5.9                                  | 9.3   | 9.1   | 10.6  |
| 3121 Other food products                         |      | 1540                     | 1534 | 1724 | 1739 |      | 89.3                | 104.1 | 114.5 | 115.3 |      | 63.6                                 | 74.1  | 92.9  | 109.1 |
| 3122 Prepared animal feeds                       |      | 50                       | 59   | 72   | 77   |      | 5.1                 | 8.5   | 7.8   | 9.6   |      | 10.5                                 | 16.7  | 18.4  | 21.0  |
| 313 Beverages                                    |      | 131                      | 136  | 169  | 162  |      | 11.3                | 11.7  | 13.0  | 12.3  |      | 18.0                                 | 22.0  | 27.0  | 31.0  |
| 3131 Distilling, rectifying and blending spirits |      | 5                        | 5    | 5    | 4    |      | 0.3                 | 0.3   | 0.3   | 0.3   |      | 0.2                                  | 0.2   | 0.3   | 0.3   |
| 3132 Wine industries                             |      | 12                       | 11   | 12   | 11   |      | 1.3                 | 1.1   | 1.0   | 0.9   |      | 1.3                                  | 1.9   | 2.1   | 1.3   |
| 3133 Malt liquors and malt                       |      | 5                        | 5    | 7    | 5    |      | 1.9                 | 1.7   | 1.9   | 1.4   |      | 7.3                                  | 6.1   | 6.2   | 8.5   |
| 3134 Soft drinks and carbonated waters           |      | 109                      | 115  | 145  | 142  |      | 7.9                 | 8.5   | 10.0  | 9.9   |      | 9.7                                  | 14.6  | 18.7  | 20.7  |
| 314 Tobacco                                      |      | 909                      | 832  | 962  | 906  |      | 203.8               | 201.7 | 202.8 | 213.2 |      | 106.0                                | 92.0  | 143.0 | 176.0 |
| 321 Textiles                                     |      | 2033                     | 2031 | 2137 | 2160 |      | 296.1               | 323.9 | 352.8 | 395.6 |      | 207.0                                | 264.0 | 335.0 | 416.0 |
| 3211 Spinning, weaving and finishing textiles    |      | 1548                     | 1502 | 1584 | 1546 |      | 252.3               | 274.6 | 286.6 | 313.6 |      | 180.7                                | 224.4 | 269.9 | 330.3 |
| 3212 Made-up textile goods excl. wearing apparel |      | 200                      | 223  | 233  | 246  |      | 14.6                | 15.7  | 15.7  | 20.3  |      | 7.3                                  | 9.9   | 11.8  | 13.7  |
| 3213 Knitting mills                              |      | 196                      | 219  | 243  | 250  |      | 23.4                | 27.5  | 43.8  | 53.0  |      | 15.3                                 | 25.7  | 43.3  | 63.7  |
| 3214 Carpets and rugs                            |      | 5                        | 5    | 9    | 10   |      | 0.6                 | 0.6   | 1.0   | 1.2   |      | 0.7                                  | 0.6   | 1.4   | 2.5   |
| 3215 Cordage, rope and twine                     |      | 15                       | 15   | 20   | 21   |      | 1.4                 | 1.7   | 1.1   | 2.5   |      | 1.0                                  | 1.6   | 6.0   | 2.2   |
| 3219 Other textiles                              |      | 69                       | 67   | 78   | 87   |      | 3.9                 | 4.0   | 4.6   | 5.0   |      | 1.7                                  | 2.2   | 2.9   | 3.4   |
| 322 Wearing apparel, except footwear             |      | 645                      | 656  | 798  | 837  |      | 68.9                | 79.0  | 106.5 | 128.7 |      | 51.0                                 | 70.0  | 99.0  | 138.0 |
| 323 Leather and fur products                     |      | 80                       | 71   | 84   | 91   |      | 4.3                 | 4.2   | 5.7   | 6.8   |      | 3.4                                  | 4.0   | 6.0   | 7.0   |
| 3231 Tanneries and leather finishing             |      | 56                       | 48   | 53   | 58   |      | 3.6                 | 3.4   | 4.1   | 5.1   |      | 2.8                                  | 3.3   | 4.6   | 5.8   |
| 3232 Fur dressing and dyeing industries          |      | -                        | -    | -    | -    |      | -                   | -     | -     | -     |      | -                                    | -     | -     | -     |
| 3233 Leather products excl. wearing apparel      |      | 24                       | 23   | 31   | 33   |      | 0.7                 | 0.9   | 1.6   | 1.8   |      | 0.6                                  | 0.6   | 1.4   | 1.7   |
| 324 Footwear, except rubber or plastic           |      | 116                      | 115  | 149  | 160  |      | 8.8                 | 8.6   | 15.6  | 25.1  |      | 10.0                                 | 12.0  | 26.0  | 36.0  |
| 331 Wood products, except furniture              |      | 920                      | 914  | 1359 | 1337 |      | 168.6               | 195.8 | 273.1 | 316.7 |      | 170.0                                | 258.0 | 374.0 | 492.0 |
| 3311 Sawmills, planing and other wood mills      |      | 702                      | 677  | 967  | 915  |      | 148.2               | 163.6 | 213.2 | 247.9 |      | 168.7                                | 235.2 | 330.2 | 436.9 |
| 3312 Wooden and cane containers                  |      | 19                       | 17   | 22   | 23   |      | 0.8                 | 0.9   | 1.7   | 1.9   |      | 0.6                                  | 0.8   | 1.1   | 1.4   |
| 3319 Other wood and cork products                |      | 199                      | 220  | 370  | 399  |      | 19.6                | 31.3  | 58.2  | 66.8  |      | 11.0                                 | 22.0  | 42.6  | 53.9  |
| 332 Furniture and fixtures, excl. metal          |      | 284                      | 299  | 350  | 367  |      | 12.3                | 14.1  | 21.6  | 26.4  |      | 10.0                                 | 14.0  | 22.0  | 30.0  |
| 341 Paper and products                           |      | 135                      | 125  | 141  | 145  |      | 21.6                | 26.4  | 30.4  | 34.0  |      | 27.0                                 | 38.0  | 49.0  | 70.0  |
| 3411 Pulp, paper and paperboard articles         |      | 59                       | 54   | 59   | 57   |      | 14.1                | 18.1  | 20.7  | 23.4  |      | 17.3                                 | 23.9  | 33.0  | 60.9  |
| 3412 Containers of paper and paperboard          |      | 37                       | 36   | 41   | 43   |      | 4.3                 | 5.0   | 5.7   | 6.0   |      | 6.4                                  | 7.4   | 8.3   | 8.7   |
| 3419 Other pulp, paper and paperboard articles   |      | 39                       | 35   | 41   | 45   |      | 3.1                 | 3.3   | 4.0   | 4.6   |      | 3.5                                  | 5.6   | 7.9   | 10.4  |
| 342 Printing and publishing                      |      | 469                      | 471  | 497  | 494  |      | 34.8                | 35.2  | 37.7  | 38.7  |      | 51.0                                 | 73.0  | 83.0  | 93.0  |
| 351 Industrial chemicals                         |      | 193                      | 190  | 218  | 212  |      | 29.5                | 29.5  | 32.0  | 33.2  |      | 102.0                                | 108.0 | 129.0 | 164.0 |
| 3511 Basic chemicals excl. fertilizers           |      | 115                      | 112  | 126  | 124  |      | 12.1                | 11.0  | 13.9  | 14.2  |      | 19.6                                 | 24.3  | 33.6  | 36.7  |
| 3512 Fertilizers and pesticides                  |      | 14                       | 15   | 15   | 17   |      | 16.8                | 17.8  | 17.4  | 18.4  |      | 81.6                                 | 82.9  | 96.2  | 127.0 |
| 3513 Synthetic resins and plastic materials      |      | 20                       | 19   | 21   | 18   |      | 0.6                 | 0.7   | 0.7   | 0.7   |      | 0.5                                  | 0.8   | 0.7   | 0.8   |
| 352 Other chemicals                              |      | 474                      | 476  | 525  | 521  |      | 75.3                | 76.8  | 92.2  | 84.6  |      | 163.0                                | 183.0 | 232.0 | 227.0 |
| 3521 Paints, varnishes and lacquers              |      | 56                       | 60   | 74   | 71   |      | 6.6                 | 7.7   | 7.1   | 7.1   |      | 10.1                                 | 11.6  | 11.0  | 13.7  |
| 3522 Drugs and medicines                         |      | 207                      | 200  | 206  | 209  |      | 34.0                | 33.2  | 33.3  | 34.6  |      | 68.1                                 | 100.2 | 137.6 | 126.7 |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      | 131                      | 124  | 137  | 142  |      | 15.1                | 14.6  | 27.9  | 19.1  |      | 25.2                                 | 36.6  | 43.8  | 40.5  |
| 3529 Other chemical products                     |      | 80                       | 136  | 164  | 160  |      | 19.7                | 21.3  | 23.9  | 23.9  |      | 29.3                                 | 34.4  | 39.9  | 46.1  |
| 353 Petroleum refineries                         |      |                          |      |      |      |      |                     |       |       |       |      |                                      |       |       |       |

|   |          |       |       |       |           |        |        |        |           |        |        |        |   |
|---|----------|-------|-------|-------|-----------|--------|--------|--------|-----------|--------|--------|--------|---|
| 354 Misc petroleum and coal products            | -        | -     | -     | -     | -         | -      | -      | -      | -         | -      | -      | -      | - |
| 355 Rubber products                             | 401      | 378   | 450   | 466   | 94.0      | 96.0   | 119.7  | 128.1  | 94.0      | 139.0  | 182.0  | 198.0  |   |
| 3551 Tyres and tubes                            | 30       | 30    | 33    | 35    | 12.6      | 12.7   | 13.2   | 13.6   | 24.6      | 29.6   | 31.3   | 32.0   |   |
| 3559 Other rubber products                      | 371      | 348   | 417   | 431   | 81.4      | 83.3   | 106.4  | 114.6  | 69.3      | 109.6  | 150.3  | 166.7  |   |
| 356 Plastic products                            | 558      | 558   | 664   | 663   | 48.9      | 52.7   | 62.1   | 70.2   | 36.0      | 54.0   | 61.0   | 76.0   |   |
| 361 Pottery china, earthenware                  | 45       | 43    | 53    | 52    | 12.3      | 12.5   | 16.2   | 17.7   | 11.0      | 13.0   | 19.0   | 22.0   |   |
| 362 Glass and products                          | 40       | 34    | 41    | 41    | 10.5      | 10.8   | 11.7   | 12.3   | 16.0      | 21.0   | 24.0   | 27.0   |   |
| 369 Other non-metallic mineral products         | 1164     | 1099  | 1162  | 1133  | 64.8      | 58.0   | 67.9   | 77.7   | 65.0      | 75.0   | 90.0   | 96.0   |   |
| 3691 Structural clay products                   | 584      | 542   | 544   | 542   | 22.9      | 19.6   | 21.3   | 21.2   | 9.2       | 9.5    | 11.0   | 13.0   |   |
| 3692 Cement, lime and plaster                   | 93       | 80    | 91    | 84    | 16.4      | 15.0   | 15.8   | 16.2   | 35.5      | 42.2   | 49.9   | 48.3   |   |
| 3699 Other non-metallic mineral products        | 487      | 477   | 527   | 507   | 25.5      | 23.5   | 30.8   | 40.3   | 20.4      | 22.9   | 29.3   | 33.3   |   |
| 371 Iron and steel                              | a/ 30    | 32    | 40    | 42    | a/ 15.6   | 16.8   | 19.6   | 21.2   | a/ 29.0   | 44.0   | 76.0   | 91.0   |   |
| 372 Non-ferrous metals                          | a/       |       |       |       | a/        |        |        |        | a/        |        |        |        |   |
| 381 Fabricated metal products                   | 548      | 553   | 592   | 588   | 59.1      | 60.9   | 67.7   | 72.5   | 81.0      | 91.0   | 129.0  | 134.0  |   |
| 3811 Cutlery, hand tools and general hardware   | 82       | 88    | 91    | 86    | 6.7       | 7.0    | 7.9    | 7.6    | 5.6       | 7.7    | 9.8    | 9.7    |   |
| 3812 Furniture and fixtures primarily of metal  | 68       | 71    | 72    | 68    | 5.7       | 5.4    | 5.6    | 5.7    | 5.2       | 5.7    | 5.8    | 8.4    |   |
| 3813 Structural metal products                  | 155      | 162   | 179   | 183   | 22.9      | 23.8   | 27.4   | 29.6   | 46.1      | 51.6   | 80.3   | 78.1   |   |
| 3819 Other fabricated metal products            | 243      | 232   | 250   | 251   | 23.7      | 24.7   | 26.9   | 29.7   | 24.3      | 26.8   | 33.7   | 39.8   |   |
| 382 Non-electrical machinery                    | 187      | 175   | 190   | 198   | 16.5      | 15.3   | 16.6   | 19.5   | 21.0      | 27.0   | 37.0   | 46.0   |   |
| 3821 Engines and turbines                       |          |       |       |       |           |        |        |        |           |        |        |        |   |
| 3822 Agricultural machinery and equipment       |          |       |       |       |           |        |        |        |           |        |        |        |   |
| 3823 Metal and wood working machinery           |          |       |       |       |           |        |        |        |           |        |        |        |   |
| 3824 Other special industrial machinery         |          |       |       |       |           |        |        |        |           |        |        |        |   |
| 3825 Office, computing and accounting machinery |          |       |       |       |           |        |        |        |           |        |        |        |   |
| 3829 Other non-electrical machinery & equipment |          |       |       |       |           |        |        |        |           |        |        |        |   |
| 383 Electrical machinery                        | 200      | 190   | 228   | 236   | 43.5      | 39.8   | 45.4   | 52.9   | 62.0      | 57.0   | 89.0   | 106.0  |   |
| 3831 Electrical industrial machinery            | 146      | 143   | 171   | 176   | 27.0      | 24.7   | 29.7   | 33.6   | 44.4      | 46.8   | 63.6   | 81.3   |   |
| 3832 Radio, television and communication equipm | b/ 54    | 47    | 57    | 60    | b/ 16.5   | 15.2   | 15.8   | 19.4   | b/ 17.9   | 20.8   | 25.1   | 24.8   |   |
| 3833 Electrical appliances and housewares       | b/       |       |       |       | b/        |        |        |        | b/        |        |        |        |   |
| 3839 Other electrical apparatus and supplies    | b/       |       |       |       | b/        |        |        |        | b/        |        |        |        |   |
| 384 Transport equipment                         | 308      | 316   | 374   | 390   | 57.5      | 66.2   | 68.8   | 75.5   | 105.0     | 132.0  | 158.0  | 199.0  |   |
| 3841 Shipbuilding and repairing                 | 59       | 67    | 120   | 124   | 15.0      | 18.2   | 15.8   | 15.5   | 31.4      | 37.5   | 34.8   | 39.4   |   |
| 3842 Railroad equipment                         | -        | -     | -     | -     | -         | -      | -      | -      | -         | -      | -      | -      |   |
| 3843 Motor vehicles                             | 172      | 170   | 176   | 182   | 25.1      | 24.8   | 28.0   | 31.2   | 45.6      | 59.4   | 71.3   | 89.7   |   |
| 3844 Motorcycles and bicycles                   | 19       | 22    | 22    | 24    | 7.5       | 6.6    | 5.6    | 7.2    | 16.4      | 20.0   | 17.3   | 25.9   |   |
| 3845 Aircraft                                   | -        | -     | -     | -     | -         | -      | -      | -      | -         | -      | -      | -      |   |
| 3849 Other transport equipment                  | 58       | 57    | 56    | 60    | 10.0      | 18.6   | 19.4   | 20.6   | 11.9      | 14.8   | 34.9   | 44.1   |   |
| 385 Professional and scientific equipment       | 40       | 46    | 43    | 44    | 2.1       | 2.7    | 2.9    | 3.5    | 1.8       | 3.4    | 3.7    | 4.3    |   |
| 3851 Prof and scientific equipment n e c        |          |       |       |       |           |        |        |        |           |        |        |        |   |
| 3852 Photographic and optical goods             |          |       |       |       |           |        |        |        |           |        |        |        |   |
| 3853 Watches and clocks                         |          |       |       |       |           |        |        |        |           |        |        |        |   |
| 390 Other manufacturing industries              | 157      | 181   | 230   | 239   | 11.8      | 13.4   | 19.7   | 22.0   | 9.0       | 14.0   | 16.0   | 28.0   |   |
| 3901 Jewellery and related articles             | 19       | 20    | 30    | 32    | 0.6       | 0.7    | 1.4    | 1.4    | 0.4       | 0.6    | 1.2    | 1.3    |   |
| 3902 Musical instruments                        | 5        | 6     | 10    | 5     | 0.4       | 0.4    | 0.5    | 0.5    | 0.6       | 0.9    | 0.8    | 2.1    |   |
| 3903 Sporting and athletic goods                | 26       | 27    | 25    | 27    | 1.4       | 1.3    | 1.9    | 2.0    | 0.7       | 0.6    | 1.0    | 1.4    |   |
| 3909 Manufacturing industries, n e c            | 107      | 128   | 165   | 176   | 9.4       | 11.0   | 15.9   | 18.2   | 7.0       | 12.1   | 15.1   | 23.4   |   |
| 3 Total manufacturing                           | c/ 12909 | 12779 | 14664 | 14676 | c/ 1672.0 | 1776.7 | 2058.3 | 2247.1 | c/ 1710.0 | 2178.4 | 2834.7 | 3439.3 |   |

a/ 371 includes 372  
c/ Excluding major groups 353 and 354

b/ 3832 includes 3833 and 3839

## Indonesia

| ISIC Industry                                    | Note | Output in producers' prices |        |        |        | Note  | Value added in factor values |        |        |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-----------------------------|--------|--------|--------|-------|------------------------------|--------|--------|------|--------------------------------|------|--|------|
|  |      | (billion RUPIAMS)           |        |        |        |       | (billion RUPIAMS)            |        |        |      | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                        | 1987   | 1988   | 1989   |       | 1985                         | 1987   | 1988   | 1989 | 1985                           | 1989 | 1985                                       | 1989 |
| 311/2 Food Products                              |      | 3764 0                      | 5427 0 | 6888 0 | 8489 0 | 966 0 | 1124 0                       | 1577 0 | 1994 0 | 25 7 | 23 5                           | 28 0 | 26 8                                       |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 28 5                        | 44 2   | 53 8   | 81 7   | 7 9   | 8 3                          | 13 0   | 21 2   | 27 7 | 26 0                           | 23 0 | 28 3                                       |      |
| 3112 Dairy products                              |      | 250 4                       | 343 2  | 406 6  | 571 5  | 48 5  | 42 6                         | 94 7   | 87 1   | 19 4 | 16 2                           | 21 9 | 22 0                                       |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 12 0                        | 31 2   | 70 6   | 77 9   | 4 5   | 7 8                          | 38 0   | 31 1   | 37 4 | 39 9                           | 19 9 | 16 2                                       |      |
| 3114 Canning, preserving and processing of fish  |      | 236 3                       | 381 9  | 651 7  | 860 9  | 46 4  | 53 6                         | 130 0  | 138 9  | 19 6 | 18 1                           | 15 1 | 16 6                                       |      |
| 3115 Vegetable and animal oils and fats          |      | 912 8                       | 1149 5 | 1447 0 | 1769 9 | 241 7 | 259 5                        | 361 5  | 450 3  | 26 5 | 25 4                           | 14 6 | 21 3                                       |      |
| 3116 Grain mill products                         |      | 565 7                       | 927 1  | 1286 2 | 1186 5 | 92 8  | 122 8                        | 186 5  | 196 8  | 16 4 | 16 6                           | 24 8 | 38 4                                       |      |
| 3117 Bakery products                             |      | 78 0                        | 115 2  | 136 1  | 167 1  | 20 5  | 24 6                         | 43 6   | 40 0   | 26 3 | 23 9                           | 45 3 | 47 6                                       |      |
| 3118 Sugar factories and refineries              |      | 835 4                       | 1083 7 | 1105 0 | 1375 8 | 282 8 | 279 6                        | 288 7  | 246 0  | 33 8 | 17 9                           | 40 8 | 60 7                                       |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 54 0                        | 82 3   | 107 1  | 139 8  | 14 0  | 12 3                         | 24 6   | 21 8   | 26 0 | 16 6                           | 42 0 | 48 6                                       |      |
| 3121 Other food products                         |      | 489 3                       | 652 7  | 834 9  | 1251 8 | 146 8 | 196 8                        | 272 0  | 509 2  | 30 0 | 40 7                           | 36 5 | 21 4                                       |      |
| 3122 Prepared animal feeds                       |      | 301 6                       | 615 8  | 789 9  | 1006 4 | 60 1  | 116 2                        | 124 1  | 251 7  | 19 9 | 25 0                           | 17 5 | 8 3  |      |
| 313 Beverages                                    |      | 235 0                       | 310 0  | 408 0  | 455 0  | 85 0  | 115 0                        | 142 0  | 123 0  | 36 2 | 27 0                           | 21 2 | 25 2                                       |      |
| 3131 Distilling, rectifying and blending spirits |      | 0 6                         | 1 3    | 1 5    | 2 1    | 0 2   | 0 5                          | 0 6    | 0 7    | 39 6 | 35 2                           | 75 7 | 45 0                                       |      |
| 3132 Wine industries                             |      | 12 5                        | 28 2   | 23 8   | 14 6   | 4 2   | 10 6                         | 4 8    | 2 9    | 33 4 | 20 2                           | 30 1 | 45 4                                       |      |
| 3133 Malt liquors and malt                       |      | 93 4                        | 118 5  | 142 0  | 152 2  | 52 7  | 65 1                         | 79 2   | 42 2   | 56 4 | 27 7                           | 13 8 | 20 3                                       |      |
| 3134 Soft drinks and carbonated waters           |      | 128 9                       | 162 2  | 241 0  | 285 8  | 27 7  | 38 5                         | 57 2   | 76 8   | 21 5 | 26 9                           | 35 0 | 27 0                                       |      |
| 314 Tobacco                                      |      | 3294 0                      | 3587 0 | 3671 0 | 5771 0 | 823 0 | 1339 0                       | 1387 0 | 1764 0 | 25 0 | 30 6                           | 12 8 | 10 0                                       |      |
| 321 Textiles                                     |      | 2388 0                      | 3890 0 | 4969 0 | 7156 0 | 763 0 | 1113 0                       | 1241 0 | 2119 0 | 32 0 | 29 6                           | 27 1 | 19 6                                       |      |
| 3211 Spinning, weaving and finishing textiles    |      | 2158 7                      | 3445 6 | 4284 2 | 6232 9 | 686 3 | 989 2                        | 1044 6 | 1803 7 | 31 8 | 28 9                           | 26 3 | 18 3                                       |      |
| 3212 Made-up textile goods excl wearing apparel  |      | 51 6                        | 108 0  | 115 2  | 131 0  | 20 5  | 33 0                         | 35 0   | 38 3   | 39 7 | 29 2                           | 35 4 | 35 9                                       |      |
| 3213 Knitting mills                              |      | 134 2                       | 288 4  | 497 4  | 671 4  | 43 8  | 77 9                         | 141 6  | 234 8  | 32 6 | 35 0                           | 35 0 | 27 1                                       |      |
| 3214 Carpets and rugs                            |      | 19 9                        | 9 0    | 18 1   | 48 5   | 6 0   | 1 6                          | 4 7    | 16 5   | 30 1 | 34 1                           | 11 0 | 15 3                                       |      |
| 3215 Cordage, rope and twine                     |      | 6 4                         | 12 3   | 21 7   | 25 6   | 2 2   | 3 6                          | 6 4    | 6 5    | 34 3 | 25 4                           | 44 7 | 34 3                                       |      |
| 3219 Other textiles                              |      | 17 4                        | 27 1   | 32 3   | 48 6   | 4 1   | 7 7                          | 8 5    | 19 0   | 23 7 | 40 7                           | 41 2 | 17 7                                       |      |
| 322 Wearing apparel, except footwear             |      | 347 0                       | 599 0  | 874 0  | 1260 0 | 117 0 | 177 0                        | 270 0  | 427 0  | 33 7 | 33 9                           | 43 6 | 32 3                                       |      |
| 323 Leather and fur products                     |      | 47 0                        | 71 0   | 119 0  | 131 0  | 15 0  | 14 0                         | 24 0   | 23 0   | 31 9 | 17 6                           | 22 5 | 30 4                                       |      |
| 3231 Tanneries and leather finishing             |      | 45 3                        | 67 5   | 96 6   | 111 6  | 14 1  | 13 3                         | 19 6   | 18 7   | 31 1 | 16 8                           | 20 2 | 31 0                                       |      |
| 3232 Fur dressing and dyeing industries          |      | -                           | -      | -      | -      | -     | -                            | -      | -      | -    | -                              | -    | -  |      |
| 3233 Leather prods excl wearing apparel          |      | 2 0                         | 3 6    | 22 7   | 19 6   | 0 8   | 1 0                          | 4 3    | 4 5    | 40 3 | 23 6                           | 65 1 | 37 0                                       |      |
| 324 Footwear, except rubber or plastic           |      | 74 0                        | 94 0   | 176 0  | 303 0  | 34 0  | 44 0                         | 73 0   | 144 0  | 45 9 | 47 5                           | 29 4 | 25 0                                       |      |
| 331 Wood products, except furniture              |      | 1919 0                      | 3695 0 | 5283 0 | 6441 0 | 680 0 | 1295 0                       | 1663 0 | 2145 0 | 36 4 | 33 3                           | 25 0 | 22 9                                       |      |
| 3311 Sawmills, planing and other wood mills      |      | 1813 5                      | 3470 7 | 4969 0 | 6093 6 | 375 3 | 1215 1                       | 1644 1 | 2021 6 | 20 7 | 33 2                           | 42 3 | 21 6                                       |      |
| 3312 Wooden and cane containers                  |      | 3 9                         | 4 9    | 13 4   | 16 4   | 1 0   | 1 8                          | 3 6    | 3 6    | 24 9 | 21 7                           | 59 3 | 38 7                                       |      |
| 3319 Other wood and cork products                |      | 102 4                       | 218 9  | 300 9  | 330 7  | 35 4  | 78 5                         | 115 1  | 120 3  | 34 6 | 36 4                           | 30 9 | 44 8                                       |      |
| 332 Furniture and fixtures, excl metal           |      | 51 0                        | 86 0   | 138 0  | 200 0  | 20 0  | 31 0                         | 83 0   | 77 0   | 39 2 | 38 5                           | 60 0 | 39 0                                       |      |
| 341 Paper and products                           |      | 413 0                       | 895 0  | 1288 0 | 1684 0 | 122 0 | 209 0                        | 376 0  | 410 0  | 29 5 | 24 3                           | 22 1 | 17 1                                       |      |
| 3411 Pulp, paper and paperboard articles         |      | 286 8                       | 666 3  | 1025 0 | 1352 4 | 88 8  | 159 6                        | 306 3  | 330 3  | 31 0 | 24 4                           | 19 6 | 15 4                                       |      |
| 3412 Containers of paper and paperboard          |      | 60 7                        | 101 7  | 119 7  | 148 5  | 15 2  | 14 3                         | 27 0   | 30 8   | 25 0 | 20 8                           | 42 1 | 28 2                                       |      |
| 3419 Other pulp, paper and paperboard articles   |      | 65 5                        | 127 4  | 143 7  | 182 5  | 18 5  | 35 2                         | 42 4   | 48 9   | 28 2 | 25 8                           | 19 1 | 21 2                                       |      |
| 342 Printing and publishing                      |      | 266 0                       | 455 0  | 565 0  | 715 0  | 102 0 | 174 0                        | 213 0  | 237 0  | 38 3 | 33 1                           | 60 0 | 39 2                                       |      |
| 351 Industrial chemicals                         |      | 1236 0                      | 1741 0 | 2007 0 | 2329 0 | 428 0 | 520 0                        | 678 0  | 724 0  | 34 5 | 31 1                           | 23 8 | 22 7                                       |      |
| 3511 Basic chemicals excl fertilizers            |      | 219 4                       | 468 4  | 622 5  | 749 8  | 67 4  | 103 4                        | 172 6  | 193 8  | 30 7 | 25 8                           | 29 0 | 18 4                                       |      |
| 3512 Fertilizers and pesticides                  |      | 1008 9                      | 1259 6 | 1368 1 | 1558 2 | 358 7 | 411 6                        | 497 4  | 520 4  | 35 5 | 33 4                           | 22 8 | 24 4                                       |      |
| 3513 Synthetic resins and plastic materials      |      | 7 6                         | 13 4   | 16 7   | 20 5   | 1 9   | 5 4                          | 8 0    | 9 9    | 24 9 | 48 5                           | 28 2 | 7 6  |      |
| 352 Other chemicals                              |      | 1451 0                      | 1588 0 | 2024 0 | 2612 0 | 478 0 | 523 0                        | 632 0  | 746 0  | 32 9 | 28 6                           | 32 0 | 30 4                                       |      |
| 3521 Paints, varnishes and lacquers              |      | 90 1                        | 132 0  | 143 1  | 188 9  | 28 1  | 29 7                         | 31 8   | 42 0   | 31 3 | 22 2                           | 35 8 | 32 8                                       |      |
| 3522 Drugs and medicines                         |      | 552 7                       | 785 1  | 885 3  | 987 9  | 161 9 | 291 6                        | 309 7  | 316 9  | 29 3 | 32 3                           | 54 4 | 39 7                                       |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 301 1                       | 403 0  | 534 1  | 562 0  | 92 2  | 123 7                        | 161 5  | 155 5  | 30 6 | 27 9                           | 27 3 | 25 9                                       |      |
| 3529 Other chemical products                     |      | 507 2                       | 268 0  | 461 3  | 872 8  | 195 5 | 78 0                         | 129 5  | 228 4  | 38 5 | 26 2                           | 15 0 | 20 2                                       |      |
| 353 Petroleum refineries                         |      | -                           | -      | -      | -      | -     | -                            | -      | -      | -    | -                              | -    | -  |      |

|   |            |            |            |            |           |            |            |            |         |         |         |         |  |  |
|---|------------|------------|------------|------------|-----------|------------|------------|------------|---------|---------|---------|---------|--|--|
| 354 Misc petroleum and coal products            |            |            |            |            |           |            |            |            |         |         |         |         |  |  |
| 355 Rubber products                             | 1321 0     | 1908 0     | 2754 0     | 2799 0     | 364 0     | 331 0      | 575 0      | 787 0      | 27 6    | 28 1    | 25 8    | 25 2    |  |  |
| 3551 Tyres and tubes                            | 219 4      | 314 3      | 444 1      | 566 0      | 52 9      | 62 9       | 91 7       | 160 9      | 24 1    | 28 4    | 46 4    | 19 9    |  |  |
| 3559 Other rubber products                      | 1102 0     | 1594 0     | 2310 3     | 2232 7     | 311 5     | 268 3      | 483 7      | 625 7      | 28 3    | 28 0    | 22 3    | 26 5    |  |  |
| 356 Plastic products                            | 498 0      | 798 0      | 1110 0     | 1353 0     | 194 0     | 161 0      | 186 0      | 225 0      | 39 0    | 16 6    | 18 6    | 33 3    |  |  |
| 361 Pottery, china, earthenware                 | 68 0       | 89 0       | 133 0      | 191 0      | 27 0      | 33 0       | 48 0       | 75 0       | 39 7    | 39 3    | 40 7    | 29 3    |  |  |
| 362 Glass and products                          | 219 0      | 280 0      | 301 0      | 345 0      | 109 0     | 73 0       | 76 0       | 88 0       | 49 8    | 25 5    | 16 5    | 30 7    |  |  |
| 369 Other non-metallic mineral products         | 875 0      | 1060 0     | 1128 0     | 1347 0     | 291 0     | 383 0      | 371 0      | 379 0      | 33 3    | 28 1    | 22 3    | 25 1    |  |  |
| 3691 Structural clay products                   | 40 5       | 52 0       | 62 2       | 72 6       | 18 4      | 20 2       | 24 5       | 26 9       | 45 5    | 37 0    | 49 7    | 48 3    |  |  |
| 3692 Cement, lime and plaster                   | 617 3      | 743 0      | 802 9      | 960 5      | 171 8     | 224 3      | 247 8      | 245 6      | 27 8    | 25 6    | 20 7    | 19 7    |  |  |
| 3699 Other non-metallic mineral products        | 216 8      | 254 8      | 262 8      | 314 0      | 101 3     | 139 0      | 98 5       | 106 9      | 46 7    | 34 1    | 20 1    | 31 1    |  |  |
| 371 Iron and steel                              | a/ 1152 0  | 1881 0     | 2651 0     | 3685 0     | a/ 521 0  | 1029 0     | 1050 0     | 1400 0     | 45 2    | 38 0    | 5 6     | 6 5     |  |  |
| 372 Non-ferrous metals                          | a/         |            |            |            | a/        |            |            |            |         |         |         |         |  |  |
| 381 Fabricated metal products                   | 1046 0     | 1518 0     | 2437 0     | 3102 0     | 309 0     | 422 0      | 699 0      | 1116 0     | 29 5    | 35 9    | 26 2    | 12 0    |  |  |
| 3811 Cutlery, hand tools and general hardware   | 64 5       | 122 8      | 124 1      | 139 9      | 12 0      | 28 0       | 28 2       | 30 9       | 15 6    | 22 1    | 47 1    | 31 5    |  |  |
| 3812 Furniture and fixtures primarily of metal  | 31 8       | 45 1       | 54 0       | 71 0       | 13 6      | 14 7       | 19 8       | 27 6       | 42 8    | 38 6    | 38 4    | 30 4    |  |  |
| 3813 Structural metal products                  | 781 9      | 1087 8     | 1925 6     | 2437 7     | 226 3     | 305 1      | 553 7      | 894 2      | 28 9    | 36 7    | 20 4    | 8 5     |  |  |
| 3819 Other fabricated metal products            | 167 7      | 262 8      | 333 2      | 453 6      | 56 7      | 73 9       | 87 2       | 162 5      | 33 8    | 35 8    | 42 9    | 24 5    |  |  |
| 382 Non-electrical machinery                    | 235 0      | 288 0      | 410 0      | 520 0      | 84 0      | 100 0      | 126 0      | 167 0      | 35 7    | 32 1    | 25 0    | 27 5    |  |  |
| 3821 Engines and turbines                       |            |            |            |            |           |            |            |            |         |         |         |         |  |  |
| 3822 Agricultural machinery and equipment       |            |            |            |            |           |            |            |            |         |         |         |         |  |  |
| 3823 Metal and wood working machinery           |            |            |            |            |           |            |            |            |         |         |         |         |  |  |
| 3824 Other special industrial machinery         |            |            |            |            |           |            |            |            |         |         |         |         |  |  |
| 3825 Office, computing and accounting machinery |            |            |            |            |           |            |            |            |         |         |         |         |  |  |
| 3829 Other non-electrical machinery & equipment |            |            |            |            |           |            |            |            |         |         |         |         |  |  |
| 383 Electrical machinery                        | 924 0      | 1146 0     | 1564 0     | 2031 0     | 273 0     | 271 0      | 287 0      | 450 0      | 29 5    | 22 2    | 22 7    | 23 6    |  |  |
| 3831 Electrical industrial machinery            | 606 4      | 807 6      | 1168 9     | 1487 6     | 198 9     | 200 3      | 212 7      | 293 0      | 32 8    | 19 7    | 22 3    | 27 7    |  |  |
| 3832 Radio, television and communication equipm | b/ 318 0   | b/ 338 0   | b/ 394 7   | b/ 543 1   | b/ 73 6   | b/ 70 8    | b/ 74 8    | b/ 157 0   | b/ 23 1 | b/ 28 9 | b/ 24 3 | b/ 15 8 |  |  |
| 3833 Electrical appliances and housewares       |            |            |            |            |           |            |            |            |         |         |         |         |  |  |
| 3839 Other electrical apparatus and supplies    |            |            |            |            |           |            |            |            |         |         |         |         |  |  |
| 384 Transport equipment                         | 1101 0     | 1767 0     | 2316 0     | 3605 0     | 368 0     | 643 0      | 759 0      | 1169 0     | 33 4    | 32 4    | 28 5    | 17 0    |  |  |
| 3841 Shipbuilding and repairing                 | 195 8      | 308 7      | 216 1      | 215 6      | 83 7      | 174 1      | 91 0       | 99 0       | 42 7    | 45 9    | 37 5    | 39 8    |  |  |
| 3842 Railroad equipment                         |            |            |            |            |           |            |            |            |         |         |         |         |  |  |
| 3843 Motor vehicles                             | 519 9      | 875 2      | 1399 3     | 1999 4     | 165 3     | 270 9      | 512 3      | 895 0      | 31 8    | 44 8    | 27 6    | 10 0    |  |  |
| 3844 Motorcycles and bicycles                   | 302 5      | 415 2      | 496 1      | 1195 6     | 90 5      | 142 2      | 98 3       | 118 0      | 29 9    | 9 9     | 18 2    | 21 9    |  |  |
| 3845 Aircraft                                   |            |            |            |            |           |            |            |            |         |         |         |         |  |  |
| 3849 Other transport equipment                  | 82 6       | 165 9      | 204 9      | 194 6      | 28 3      | 56 2       | 57 1       | 57 0       | 34 3    | 29 3    | 41 9    | 77 3    |  |  |
| 385 Professional and scientific equipment       | 13 7       | 23 7       | 40 9       | 54 4       | 4 3       | 5 8        | 8 7        | 11 0       | 31 4    | 20 2    | 41 3    | 39 3    |  |  |
| 3851 Prof and scientific equipment n e c        |            |            |            |            |           |            |            |            |         |         |         |         |  |  |
| 3852 Photographic and optical goods             |            |            |            |            |           |            |            |            |         |         |         |         |  |  |
| 3853 Watches and clocks                         |            |            |            |            |           |            |            |            |         |         |         |         |  |  |
| 390 Other manufacturing industries              | 90 0       | 132 0      | 174 0      | 289 0      | 27 0      | 39 0       | 57 0       | 99 0       | 30 0    | 34 3    | 33 3    | 28 3    |  |  |
| 3901 Jewellery and related articles             | 1 2        | 2 6        | 6 6        | 6 8        | 0 7       | 1 1        | 1 8        | 2 1        | 60 0    | 30 9    | 55 1    | 51 1    |  |  |
| 3902 Musical instruments                        | 14 7       | 18 4       | 28 3       | 26 3       | 6 0       | 5 9        | 2 1        | 2 2        | 40 5    | 8 4     | 10 3    | 95 6    |  |  |
| 3903 Sporting and athletic goods                | 5 1        | 4 6        | 7 3        | 9 5        | 1 7       | 2 1        | 2 5        | 2 7        | 33 9    | 28 4    | 40 9    | 53 7    |  |  |
| 3909 Manufacturing industries, n e c            | 68 6       | 106 3      | 131 5      | 246 6      | 18 2      | 28 9       | 51 0       | 92 0       | 25 5    | 37 3    | 38 4    | 25 5    |  |  |
| 3 Total manufacturing                           | c/ 23027 0 | c/ 33328 7 | c/ 43428 9 | c/ 56857 4 | c/ 7204 0 | c/ 10168 8 | c/ 12601 7 | c/ 16898 0 | c/ 31 3 | c/ 29 7 | c/ 23 7 | c/ 20 4 |  |  |

a/ 371 includes 372

c/ Excluding major groups 353 and 354

b/ 3832 includes 3833 and 3839

## Indonesia

| ISIC Industry                             | Gross fixed capital formation |                   |      |      |      | Index numbers of industrial production |            |      |      |      |      |      |      |      |      |  |
|---|-------------------------------|-------------------|------|------|------|--|------------|------|------|------|------|------|------|------|------|--|
|   | Note                          | (billion RUPIANS) |      |      |      | Note                                   | (1980=100) |      |      |      |      |      |      |      |      |  |
|   |                               | 1985              | 1987 | 1988 | 1989 |  | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |  |
| 311/2 Food Products                       |                               | 329               | 313  | 438  | 1045 |  | 94         | 88   | 97   | 106  | 137  | 136  | 158  | 171  | 179  |  |
| 313 Beverages                             |                               | 19                | 12   | 27   | 32   |  | 83         | 92   | 106  | 125  | 129  | 130  | 150  | 178  | 168  |  |
| 314 Tobacco                               |                               | 78                | 49   | 111  | 72   |  | 139        | 148  | 172  | 193  | 205  | 224  | 257  | 194  | 196  |  |
| 321 Textiles                              |                               | 146               | 185  | 269  | 1419 |  | 100        | 97   | 127  | 135  | 163  | 184  | 221  | 233  | 263  |  |
| 322 Wearing apparel, except footwear      |                               | 110               | 25   | 103  | 163  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 323 Leather and fur products              |                               | 5                 | 4    | 9    | 45   |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 324 Footwear, except rubber or plastic    |                               | 5                 | 6    | 29   | 37   |  | 137        | 133  | 133  | 108  | 131  | 218  | 245  | 272  | 383  |  |
| 331 Wood products, except furniture       |                               | 153               | 338  | 569  | 896  |  | 107        | 99   | 156  | 216  | 271  | 298  | 287  | 306  | 331  |  |
| 332 Furniture and fixtures, excl metal    |                               | 6                 | 14   | 18   | 42   |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 341 Paper and products                    |                               | 45                | 49   | 116  | 906  |  | 107        | 119  | 116  | 123  | 161  | 176  | 213  | 222  | 320  |  |
| 342 Printing and publishing               |                               | 92                | 33   | 56   | 106  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 351 Industrial chemicals                  |                               | 198               | 150  | 108  | 421  |  | 141        | 164  | 178  | 151  | 153  | 169  | 187  | 192  | 176  |  |
| 352 Other chemicals                       |                               | 100               | 80   | 93   | 146  |  | 147        | 172  | 173  | 170  | 139  | 177  | 187  | 179  | 248  |  |
| 353 Petroleum refineries                  |                               | ...               | ...  | ...  | ...  |  | 104        | 111  | 118  | 118  | 128  | 127  | 144  | 148  | ...  |  |
| 354 Misc petroleum and coal products      |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 355 Rubber products                       |                               | 75                | 72   | 203  | 256  |  | 117        | 121  | 128  | 93   | 128  | 165  | 184  | 240  | 262  |  |
| 356 Plastic products                      |                               | 63                | 41   | 64   | 130  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 361 Pottery, china, earthenware           |                               | 18                | 18   | 28   | 60   |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 362 Glass and products                    |                               | 19                | 9    | 30   | 30   |  | 119        | 120  | 149  | 151  | 123  | 139  | 162  | 236  | 221  |  |
| 369 Other non-metallic mineral products   |                               | 256               | 43   | 41   | 59   |  | 168        | 187  | 156  | 176  | 190  | 239  | 245  | 256  | 292  |  |
| 371 Iron and steel                        |                               | ...               | 11   | 109  | 124  |  | 113        | 112  | 172  | 163  | 186  | 221  | 287  | 453  | 474  |  |
| 372 Non-ferrous metals                    |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 381 Fabricated metal products             |                               | 69                | 87   | 86   | 166  |  | 115        | 125  | 130  | 140  | 148  | 213  | 265  | 225  | 248  |  |
| 382 Non-electrical machinery              |                               | 37                | 14   | -9   | -48  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 383 Electrical machinery                  |                               | 71                | 39   | 65   | 138  |  | 95         | 89   | 113  | 107  | 146  | 174  | 207  | 143  | 145  |  |
| 384 Transport equipment                   |                               | 125               | 195  | 290  | 262  |  | 83         | 89   | 117  | 98   | 92   | 123  | 130  | 215  | 267  |  |
| 385 Professional and scientific equipment |                               | 5                 | 8    | 16   | 2    |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 390 Other manufacturing industries        |                               | 8                 | 7    | 16   | 35   |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 3 Total manufacturing                     | a/                            | 2032              | 1802 | 2885 | 6534 |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |

a/ Excluding major groups 353 and 354

## IRAN (ISLAMIC REPUBLIC OF)

**Supplier of information:**

Statistical Centre of Iran, Plan and Budget Organization, Teheran.  
The index numbers of industrial production are compiled by the Statistics Division, Ministry of Industry and Mines, Teheran.

**Basic source of data:**

Annual survey of industrial establishments.

**Major deviations from current version of ISIC:**

None reported except the indices of industrial production, which are compiled with regard to the preceding version of the ISIC. Wherever possible, adjustments have been incorporated to convert them to the present version.

**Reference period (if not calendar year):**

Iranian year beginning 21 March of the year indicated.

**Scope:**

Establishments with 10 or more persons engaged.

**Method of enumeration:**

Individual site visits by enumerators.

**Adjusted for non-response:**

No, reported.

**Concepts and definitions of variables:**

Number of employees is an average of the quarterly numbers.

Wages and salaries includes employers' contributions to social insurance schemes and also the establishments' 20 per cent special net profit which is distributed among workers.

Output is the sum of the value of products, electricity and water sold, contract work done for others, goods shipped in the same condition as received, work in progress and own-account construction.

Value added is the difference between the value of output and the cost of materials and supplies, fuels, electricity, water, contract and repair work done by others and goods purchased for resale without transformation.

Gross fixed capital formation represents the value of purchases of new and used fixed assets, capital repairs and own-account construction during the year less the value of corresponding sales and disposals. It does not cover new establishments not yet in operation during the reference year and also does not include progress payments made for fixed assets on order but not yet completed at the end of the reference year.

**Related national publications:**

Large-scale Industrial Establishments (annual), available only in the national language, published by the Statistical Centre of Iran, Teheran.

## Iran (Islamic Republic of)

|  | Number of establishments<br>(numbers) |      |      |      |      | Number of employees<br>(numbers) |        |        |        |      | Wages and salaries paid<br>to employees<br>(million RIALS) |        |        |        |  |
|--|---------------------------------------|------|------|------|------|----------------------------------|--------|--------|--------|------|--|--------|--------|--------|--|
|  | 1985                                  | 1989 | 1990 | 1991 | Note | 1985                             | 1989   | 1990   | 1991   | Note | 1985   | 1989   | 1990   | 1991   |  |
| ISIC Industry                                    |                                       |      |      |      |      |                                  |        |        |        |      |  |        |        |        |  |
| 311/2 Food Products                              | 978                                   | 1547 | 1250 | 777  | Note | 68730                            | 77800  | 67600  | 69383  | Note | 64412  | 96399  | 102639 | 138172 |  |
| 311 Slaughtering, preparing & preserving meat    | 21                                    |      |      |      |      | 1016                             |        |        |        |      | 4179   |        |        |        |  |
| 312 Dairy products                               | 31                                    |      |      |      |      | 4293                             |        |        |        |      | 5469   |        |        |        |  |
| 313 Canning, preserving of fruits & vegetables   | 135                                   |      |      |      |      | 7583                             |        |        |        |      | 2825   |        |        |        |  |
| 314 Canning, preserving and processing of fish   | 5                                     |      |      |      |      | 3522                             |        |        |        |      | 9082   |        |        |        |  |
| 315 Vegetable and animal oils and fats           | 23                                    |      |      |      |      | 7735                             |        |        |        |      | 3240   |        |        |        |  |
| 316 Grain mill products                          | 156                                   |      |      |      |      | 4052                             |        |        |        |      | 13235  |        |        |        |  |
| 317 Bakery products                              | 240                                   |      |      |      |      | 13116                            |        |        |        |      | 19573  |        |        |        |  |
| 318 Sugar factories and refineries               | 104                                   |      |      |      |      | 20110                            |        |        |        |      | 1363   |        |        |        |  |
| 319 Cocoa, chocolate and sugar confectionery     | 30                                    |      |      |      |      | 1818                             |        |        |        |      | 3500   |        |        |        |  |
| 321 Other food products                          | 184                                   |      |      |      |      | 4938                             |        |        |        |      | 827  |        |        |        |  |
| 3122 Prepared animal feeds                       | 48                                    |      |      |      |      | 1034                             |        |        |        |      |  |        |        |        |  |
| 313 Beverages                                    | 30                                    | 25   | 24   | 25   |      | 10840                            | 8600   | 8500   | 8300   |      | 11261  | 10508  | 14864  | 22170  |  |
| 3131 Distilling, rectifying and blending spirits | 5                                     |      |      |      |      | 81                               |        |        |        |      | 72   |        |        |        |  |
| 3132 Wine industries                             | -                                     |      |      |      |      | -                                |        |        |        |      | -  |        |        |        |  |
| 3133 Malt liquors and malt                       | -                                     |      |      |      |      | -                                |        |        |        |      | -  |        |        |        |  |
| 3134 Soft drinks and carbonated waters           | 25                                    |      |      |      |      | 10758                            |        |        |        |      | 11189  |        |        |        |  |
| 314 Tobacco                                      | 1                                     | 101  | 1    | 1    |      | 7520                             | 11100  | 10600  | 7919   |      | 9232   | 14177  | 14106  | 21165  |  |
| 321 Textiles                                     | 804                                   | 1937 | 1500 | 627  |      | 125760                           | 145400 | 132700 | 132818 |      | 125046   | 184996 | 199653 | 300831 |  |
| 3211 Spinning, weaving and finishing textiles    | 489                                   |      |      |      |      | 107184                           |        |        |        |      | 107446   |        |        |        |  |
| 3212 Made-up textile goods excl. wearing apparel | 16                                    |      |      |      |      | 274                              |        |        |        |      | 190  |        |        |        |  |
| 3213 Knitting mills                              | 264                                   |      |      |      |      | 5876                             |        |        |        |      | 4740   |        |        |        |  |
| 3214 Carpets and rugs                            | 28                                    |      |      |      |      | 10485                            |        |        |        |      | 10638  |        |        |        |  |
| 3215 Cordage, rope and twine                     | -                                     |      |      |      |      | -                                |        |        |        |      | -  |        |        |        |  |
| 3219 Other textiles                              | 7                                     |      |      |      |      | 1944                             |        |        |        |      | 2033   |        |        |        |  |
| 322 wearing apparel, except footwear             | 201                                   | 533  | 481  | 138  |      | 6960                             | 10100  | 10300  | 7071   |      | 5089   | 9496   | 11118  | 12496  |  |
| 323 Leather and fur products                     | 114                                   | 142  | 125  | 65   |      | 4430                             | 4400   | 4300   | 3368   |      | 3739   | 6573   | 6603   | 6425   |  |
| 3231 Leatheries and leather finishing            | 96                                    |      |      |      |      | 4140                             |        |        |        |      | 3644   |        |        |        |  |
| 3232 Fur dressing and dyeing industries          | -                                     |      |      |      |      | -                                |        |        |        |      | -  |        |        |        |  |
| 3233 leather goods excl. wearing apparel         | 18                                    |      |      |      |      | 287                              |        |        |        |      | 196  |        |        |        |  |
| 324 Footwear, except rubber or plastic           | 83                                    | 370  | 166  | 54   |      | 10740                            | 12600  | 11300  | 10700  |      | 9487   | 14928  | 16760  | 20187  |  |
| 331 Wood products, except furniture              | 123                                   | 285  | 285  | 64   |      | 11140                            | 13000  | 11300  | 8251   |      | 9604   | 16386  | 13317  | 23204  |  |
| 3311 Sawmills, planing and other wood mills      | 66                                    |      |      |      |      | 10604                            |        |        |        |      | 9120   |        |        |        |  |
| 3312 Wooden and cane containers                  | 28                                    |      |      |      |      | 417                              |        |        |        |      | 290  |        |        |        |  |
| 3319 Other wood and cork products                | 9                                     |      |      |      |      | 214                              |        |        |        |      | 195  |        |        |        |  |
| 332 Furniture and fixtures, excl. metal          | 72                                    | 105  | 96   | 54   |      | 4380                             | 3200   | 4400   | 3765   |      | 3922   | 3919   | 6337   | 6038   |  |
| 341 Paper and products                           | 108                                   | 146  | 130  | 76   |      | 10650                            | 10700  | 9600   | 12149  |      | 12842  | 17071  | 17631  | 31490  |  |
| 3411 Pulp, paper and paperboard articles         | 14                                    |      |      |      |      | 608                              |        |        |        |      | 593  |        |        |        |  |
| 3412 Containers of paper and paperboard          | 56                                    |      |      |      |      | 5424                             |        |        |        |      | 6882   |        |        |        |  |
| 3419 Other pulp, paper and paperboard articles   | 38                                    |      |      |      |      | 4620                             |        |        |        |      | 5489   |        |        |        |  |
| 342 Printing and publishing                      | 128                                   | 274  | 330  | 113  |      | 5070                             | 7900   | 9600   | 7872   |      | 5120   | 11202  | 16487  | 21378  |  |
| 351 Industrial chemicals                         | 59                                    | 113  | 217  | 217  |      | 10660                            | 14000  | 16200  | 10731  |      | 12662  | 26294  | 30090  | 36783  |  |
| 3511 Basic chemicals excl. fertilizers           | 45                                    |      |      |      |      | 2276                             |        |        |        |      | 2846   |        |        |        |  |
| 3512 Fertilizers and pesticides                  | 10                                    |      |      |      |      | 5379                             |        |        |        |      | 6021   |        |        |        |  |
| 3513 Synthetic resins and plastic materials      | 4                                     |      |      |      |      | 3208                             |        |        |        |      | 3795   |        |        |        |  |
| 352 Other chemicals                              | 181                                   | 350  | 352  | 176  |      | 20450                            | 23700  | 26200  | 22465  |      | 21441  | 36784  | 44368  | 59641  |  |
| 3521 Paints, varnishes and lacquers              | 38                                    |      |      |      |      | 2397                             |        |        |        |      | 2719   |        |        |        |  |
| 3522 Drugs and medicines                         | 44                                    |      |      |      |      | 9419                             |        |        |        |      | 9272   |        |        |        |  |
| 3523 Soap, cleaning preps., perfumes, cosmetics  | 61                                    |      |      |      |      | 4773                             |        |        |        |      | 5746   |        |        |        |  |
| 3529 Other chemical products                     | 38                                    |      |      |      |      | 3874                             |        |        |        |      | 3704   |        |        |        |  |
| 363 Petroleum refineries                         | 7                                     | 15   | 9    | 10   |      | 1210                             | 2700   | 2100   | 2423   |      | 1363   | 3480   | 2314   | 4016   |  |



|   |      |       |       |      |        |        |        |        |        |        |         |         |
|---|------|-------|-------|------|--------|--------|--------|--------|--------|--------|---------|---------|
| 354 Misc petroleum and coal products            | 33   | 139   | 83    | 45   | 1120   | 3300   | 2700   | 2073   | 973    | 4396   | 3490    | 3724    |
| 355 Rubber products                             | 43   | 221   | 32    | 45   | 9840   | 13600  | 10900  | 11104  | 11219  | 22122  | 19672   | 30403   |
| 3551 Tyres and tubes                            | 9    |       |       |      | 6610   |        |        |        | 8225   |        |         |         |
| 3559 Other rubber products                      | 34   |       |       |      | 3227   |        |        |        | 2994   |        |         |         |
| 356 Plastic products                            | 243  | 480   | 398   | 183  | 12390  | 14100  | 14300  | 13400  | 11818  | 20606  | 21836   | 30671   |
| 361 Pottery, china, earthenware                 | 17   | 54    | 24    | 15   | 3810   | 3700   | 3400   | 4211   | 3648   | 3212   | 6300    | 9916    |
| 362 Glass and products                          | 51   | 88    | 64    | 40   | 7180   | 8400   | 8300   | 8120   | 8270   | 13467  | 12828   | 19691   |
| 369 Other non-metallic mineral products         | 2710 | 2424  | 2576  | 1964 | 87470  | 83700  | 82600  | 64300  | 79296  | 100124 | 118613  | 167630  |
| 3691 Structural clay products                   | 1868 |       |       |      | 60041  |        |        |        | 36782  |        |         |         |
| 3692 Cement, lime and plaster                   | 116  |       |       |      | 18742  |        |        |        | 27186  |        |         |         |
| 3699 Other non-metallic mineral products        | 726  |       |       |      | 17702  |        |        |        | 16328  |        |         |         |
| 371 Iron and steel                              | 34   | 106   | 112   | 52   | 36470  | 38700  | 47800  | 62301  | 38483  | 60129  | 106463  | 176892  |
| 372 Non-ferrous metals                          | 43   | 159   | 172   | 48   | 5870   | 11200  | 11800  | 11319  | 6478   | 17023  | 23702   | 40182   |
| 381 Fabricated metal products                   | 501  | 946   | 853   | 372  | 26430  | 31300  | 33900  | 31009  | 26000  | 44932  | 62719   | 76412   |
| 3811 Cutlery, hand tools and general hardware   | 54   |       |       |      | 2818   |        |        |        | 2587   |        |         |         |
| 3812 Furniture and fixtures primarily of metal  | 92   |       |       |      | 2702   |        |        |        | 2536   |        |         |         |
| 3813 Structural metal products                  | 76   |       |       |      | 7937   |        |        |        | 8666   |        |         |         |
| 3819 Other fabricated metal products            | 280  |       |       |      | 13181  |        |        |        | 12322  |        |         |         |
| 382 Non-electrical machinery                    | 249  | 643   | 890   | 340  | 32280  | 55000  | 58700  | 56900  | 34942  | 80104  | 104667  | 169867  |
| 3821 Engines and turbines                       | 4    |       |       |      | 2604   |        |        |        | 3413   |        |         |         |
| 3822 Agricultural machinery and equipment       | 33   |       |       |      | 7174   |        |        |        | 6768   |        |         |         |
| 3823 Metal and wood working machinery           | 16   |       |       |      | 3314   |        |        |        | 3676   |        |         |         |
| 3824 Other special industrial machinery         | 66   |       |       |      | 7662   |        |        |        | 8362   |        |         |         |
| 3825 Office, computing and accounting machinery | -    |       |       |      | -      |        |        |        | -      |        |         |         |
| 3829 Other non-electrical machinery & equipment | 131  |       |       |      | 11627  |        |        |        | 13737  |        |         |         |
| 383 Electrical machinery                        | 151  | 100   | 119   | 90   | 36660  | 18400  | 17300  | 17983  | 39196  | 24254  | 27778   | 43662   |
| 3831 Electrical industrial machinery            | 37   |       |       |      | 2669   |        |        |        | 2627   |        |         |         |
| 3832 Radio, television and communication equipm | 24   |       |       |      | 9725   |        |        |        | 10004  |        |         |         |
| 3833 Electrical appliances and housewares       | 44   |       |       |      | 10414  |        |        |        | 13391  |        |         |         |
| 3839 Other electrical apparatus and supplies    | 46   |       |       |      | 13763  |        |        |        | 13273  |        |         |         |
| 384 Transport equipment                         | 109  | 106   | 82    | 111  | 46860  | 27700  | 31800  | 36576  | 56094  | 49076  | 64220   | 96427   |
| 3841 Shipbuilding and repairing                 | 17   |       |       |      | 2032   |        |        |        | 1866   |        |         |         |
| 3842 Railroad equipment                         | 2    |       |       |      | 1684   |        |        |        | 1628   |        |         |         |
| 3843 Motor vehicles                             | 77   |       |       |      | 40803  |        |        |        | 49244  |        |         |         |
| 3844 Motorcycles and bicycles                   | 12   |       |       |      | 2622   |        |        |        | 3360   |        |         |         |
| 3845 Aircraft                                   | -    |       |       |      | -      |        |        |        | -      |        |         |         |
| 3849 Other transport equipment                  | 1    |       |       |      | 12     |        |        |        | 7      |        |         |         |
| 385 Professional and scientific equipment       | 27   | 41    | 41    | 28   | 2690   | 2200   | 3200   | 3764   | 2771   | 2911   | 4789    | 8194    |
| 3851 Prof and scientific equipment n e c        | 26   |       |       |      | 2601   |        |        |        | 2723   |        |         |         |
| 3852 Photographic and optical goods             | -    |       |       |      | -      |        |        |        | -      |        |         |         |
| 3853 Watches and clocks                         | 1    |       |       |      | 86     |        |        |        | 48     |        |         |         |
| 390 Other manufacturing industries              | 36   | 104   | 108   | 43   | 1300   | 2100   | 2800   | 1900   | 1019   | 2024   | 3824    | 3769    |
| 3901 Jewellery and related articles             | 9    |       |       |      | 106    |        |        |        | 48     |        |         |         |
| 3902 Musical instruments                        | -    |       |       |      | -      |        |        |        | -      |        |         |         |
| 3903 Sporting and athletic goods                | 1    |       |       |      | 12     |        |        |        | 5      |        |         |         |
| 3909 Manufacturing industries, n e c            | 26   |       |       |      | 1184   |        |        |        | 966    |        |         |         |
| 3 Total manufacturing                           | 7136 | 11556 | 10618 | 6743 | 608030 | 668700 | 662600 | 620966 | 616614 | 897666 | 1063398 | 1668998 |

## Iran (Islamic Republic of)

| ISIC Industry                                    | Note | Output in producers' prices |        |         |         | Note   | Value added in producers' prices |        |        |        | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-----------------------------|--------|---------|---------|--------|----------------------------------|--------|--------|--------|--------------------------------|------|--|------|
|  |      | (million RIALS)             |        |         |         |        | (million RIALS)                  |        |        |        | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                        | 1989   | 1990    | 1991a/  |        | 1985                             | 1989   | 1990   | 1991b/ | 1985                           | 1991 | 1985                                       | 1991 |
| 311/2 Food Products                              |      | 329100                      | 775700 | 1014600 | 1304000 | 114800 | 236700                           | 306200 | 456700 | 34.8   | 36.0                           | 66.2 | 30.3                                       |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 11229                       |        |         |         | 2899   |                                  |        |        | 25.8   |                                | 37.9 |  |      |
| 3112 Dairy products                              |      | 25776                       |        |         |         | 9452   |                                  |        |        | 35.7   |                                | 44.2 |  |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 40194                       |        |         |         | 12736  |                                  |        |        | 31.7   |                                | 42.9 |  |      |
| 3114 Canning, preserving and processing of fish  |      | 10757                       |        |         |         | 7625   |                                  |        |        | 70.9   |                                | 37.0 |  |      |
| 3115 Vegetable and animal oils and fats          |      | 45576                       |        |         |         | 13124  |                                  |        |        | 28.8   |                                | 69.2 |  |      |
| 3116 Grain mill products                         |      | 10505                       |        |         |         | 5181   |                                  |        |        | 49.1   |                                | 62.8 |  |      |
| 3117 Bakery products                             |      | 53407                       |        |         |         | 22341  |                                  |        |        | 41.8   |                                | 69.2 |  |      |
| 3118 Sugar factories and refineries              |      | 89705                       |        |         |         | 29520  |                                  |        |        | 37.9   |                                | 66.3 |  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 7445                        |        |         |         | 2221   |                                  |        |        | 29.8   |                                | 62.3 |  |      |
| 3121 Other food products                         |      | 18566                       |        |         |         | 5972   |                                  |        |        | 32.2   |                                | 68.6 |  |      |
| 3122 Prepared animal feeds                       |      | 15984                       |        |         |         | 3544   |                                  |        |        | 22.2   |                                | 23.3 |  |      |
| 313 Beverages                                    |      | 43500                       | 75600  | 106100  | 110200  | 27500  | 54400                            | 63000  | 66700  | 63.2   | 60.5                           | 40.9 | 33.2                                       |      |
| 3131 Distilling, rectifying and blending spirits |      | 447                         |        |         |         | 257    |                                  |        |        | 67.6   |                                | 28.0 |  |      |
| 3132 Wine industries                             |      | -                           |        |         |         | -      |                                  |        |        | -      |                                | -    |  |      |
| 3133 Malt liquors and malt                       |      | -                           |        |         |         | -      |                                  |        |        | -      |                                | -    |  |      |
| 3134 Soft drinks and carbonated waters           |      | 43071                       |        |         |         | 27251  |                                  |        |        | 63.3   |                                | 41.1 |  |      |
| 314 Tobacco                                      |      | 15000                       | 38300  | 45100   | 93600   | 9400   | 28500                            | 34000  | 77800  | 66.7   | 63.1                           | 90.2 | 27.2                                       |      |
| 321 Textiles                                     |      | 371700                      | 778000 | 1034600 | 1432600 | 192900 | 375200                           | 563000 | 663400 | 51.9   | 46.6                           | 64.8 | 46.0                                       |      |
| 3211 Spinning, weaving and finishing textiles    |      | 297602                      |        |         |         | 157873 |                                  |        |        | 53.0   |                                | 68.1 |  |      |
| 3212 Made-up textile goods excl. wearing apparel |      | 1262                        |        |         |         | 615    |                                  |        |        | 48.7   |                                | 30.9 |  |      |
| 3213 Knitting mills                              |      | 21903                       |        |         |         | 9589   |                                  |        |        | 44.2   |                                | 48.9 |  |      |
| 3214 Carpets and rugs                            |      | 45639                       |        |         |         | 21842  |                                  |        |        | 47.9   |                                | 48.7 |  |      |
| 3215 Cordage, rope and twine                     |      | -                           |        |         |         | -      |                                  |        |        | -      |                                | -    |  |      |
| 3219 Other textiles                              |      | 5326                        |        |         |         | 2885   |                                  |        |        | 64.2   |                                | 70.4 |  |      |
| 322 Wearing apparel, except footwear             |      | 14200                       | 78500  | 105300  | 60100   | 6900   | 22700                            | 35200  | 26000  | 48.6   | 43.3                           | 73.6 | 48.1                                       |      |
| 323 Leather and fur products                     |      | 25800                       | 69400  | 84200   | 81800   | 6100   | 17700                            | 28500  | 25200  | 23.6   | 30.8                           | 61.3 | 26.6                                       |      |
| 3231 Tanneries and leather finishing             |      | 24960                       |        |         |         | 5859   |                                  |        |        | 23.6   |                                | 60.6 |  |      |
| 3232 Fur dressing and dyeing industries          |      | -                           |        |         |         | -      |                                  |        |        | -      |                                | -    |  |      |
| 3233 Leather products excl. wearing apparel      |      | 826                         |        |         |         | 290    |                                  |        |        | 36.1   |                                | 67.6 |  |      |
| 324 Footwear, except rubber or plastic           |      | 29600                       | 82700  | 82800   | 92000   | 16000  | 35400                            | 35300  | 38600  | 60.7   | 41.8                           | 63.0 | 62.4                                       |      |
| 331 Wood products, except furniture              |      | 21600                       | 79600  | 93600   | 92700   | 10900  | 40400                            | 44900  | 42200  | 60.6   | 46.6                           | 88.1 | 66.0                                       |      |
| 3311 Sawmills, planing and other wood mills      |      | 19648                       |        |         |         | 10086  |                                  |        |        | 61.3   |                                | 90.4 |  |      |
| 3312 Wooden and cane containers                  |      | 1210                        |        |         |         | 784    |                                  |        |        | 31.7   |                                | 76.6 |  |      |
| 3319 Other wood and cork products                |      | 750                         |        |         |         | 394    |                                  |        |        | 62.6   |                                | 49.6 |  |      |
| 332 Furniture and fixtures, excl. metal          |      | 8400                        | 23400  | 34000   | 43500   | 4400   | 10900                            | 13400  | 18600  | 62.4   | 42.6                           | 89.1 | 43.4                                       |      |
| 341 Paper and products                           |      | 46700                       | 83600  | 123600  | 201000  | 23800  | 31600                            | 54100  | 80400  | 61.0   | 40.0                           | 64.0 | 39.2                                       |      |
| 3411 Pulp, paper and paperboard articles         |      | 2629                        |        |         |         | 1282   |                                  |        |        | 48.3   |                                | 64.6 |  |      |
| 3412 Containers of paper and paperboard          |      | 25732                       |        |         |         | 12600  |                                  |        |        | 49.0   |                                | 62.8 |  |      |
| 3419 Other pulp, paper and paperboard articles   |      | 18320                       |        |         |         | 9942   |                                  |        |        | 64.3   |                                | 66.3 |  |      |
| 342 Printing and publishing                      |      | 14000                       | 70400  | 77100   | 78700   | 8800   | 41800                            | 47200  | 51200  | 62.9   | 66.1                           | 68.2 | 41.8                                       |      |
| 351 Industrial chemicals                         |      | 41900                       | 115400 | 203300  | 218500  | 21100  | 62900                            | 94300  | 116300 | 60.4   | 62.8                           | 60.0 | 31.0                                       |      |
| 3511 Basic chemicals excl. fertilizers           |      | 13639                       |        |         |         | 6776   |                                  |        |        | 49.7   |                                | 42.0 |  |      |
| 3512 Fertilizers and pesticides                  |      | 7805                        |        |         |         | 3706   |                                  |        |        | 47.6   |                                | -    |  |      |
| 3513 Synthetic resins and plastic materials      |      | 20407                       |        |         |         | 10682  |                                  |        |        | 61.9   |                                | 36.9 |  |      |
| 352 Other chemicals                              |      | 115600                      | 299500 | 349100  | 461700  | 65200  | 131600                           | 171200 | 166900 | 47.8   | 36.1                           | 38.8 | 36.7                                       |      |
| 3521 Paints, varnishes and lacquers              |      | 15476                       |        |         |         | 6449   |                                  |        |        | 41.7   |                                | 42.2 |  |      |
| 3522 Drugs and medicines                         |      | 50448                       |        |         |         | 30124  |                                  |        |        | 59.7   |                                | 30.8 |  |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 37845                       |        |         |         | 12332  |                                  |        |        | 32.6   |                                | 46.6 |  |      |
| 3529 Other chemical products                     |      | 11783                       |        |         |         | 6309   |                                  |        |        | 63.6   |                                | 68.7 |  |      |
| 353 Petroleum refineries                         |      | 7700                        | 14100  | 11600   | 21400   | 6600   | 7400                             | 6600   | 12200  | 71.4   | 67.0                           | 26.1 | 32.9                                       |      |

|   |         |         |         |         |         |         |         |         |      |      |      |      |
|---|---------|---------|---------|---------|---------|---------|---------|---------|------|------|------|------|
| 354 Misc petroleum and coal products            | 4900    | 17900   | 25100   | 26900   | 2900    | 12500   | 15900   | 13600   | 59 2 | 60 6 | 33 6 | 27 4 |
| 355 Rubber products                             | 29900   | 89000   | 94500   | 127800  | 16400   | 40000   | 48400   | 61500   | 54 8 | 48 1 | 58 4 | 49 4 |
| 3551 Tyres and tubes                            | 18075   |         |         |         | 10448   |         |         |         | 57 8 |      | 72 7 |      |
| 3559 Other rubber products                      | 11840   |         |         |         | 5969    |         |         |         | 50 4 |      | 50 2 |      |
| 356 Plastic products                            | 44600   | 154300  | 256200  | 206800  | 21400   | 47200   | 68300   | 74300   | 48 0 | 35 9 | 55 7 | 41 1 |
| 361 Pottery, china, earthenware                 | 8500    | 14800   | 23000   | 25200   | 6900    | 10300   | 17100   | 16500   | 81 2 | 65 6 | 52 9 | 60 1 |
| 362 Glass and products                          | 23500   | 42400   | 54800   | 106800  | 15200   | 26200   | 30200   | 70000   | 64 7 | 55 5 | 54 4 | 28 0 |
| 369 Other non-metallic mineral products         | 188200  | 342700  | 482700  | 651000  | 124600  | 211500  | 285900  | 373900  | 65 2 | 57 4 | 53 6 | 42 1 |
| 3691 Structural clay products                   | 70989   |         |         |         | 55842   |         |         |         | 78 7 |      | 55 9 |      |
| 3692 Cement, lime and plaster                   | 68064   |         |         |         | 44003   |         |         |         | 64 6 |      | 61 8 |      |
| 3699 Other non-metallic mineral products        | 49154   |         |         |         | 24744   |         |         |         | 50 3 |      | 51 9 |      |
| 371 Iron and steel                              | 162400  | 296100  | 920400  | 1021700 | 64900   | 133200  | 371300  | 420200  | 40 0 | 41 1 | 59 3 | 41 9 |
| 372 Non-ferrous metals                          | 41800   | 117700  | 395400  | 438300  | 17400   | 43400   | 171700  | 165600  | 41 6 | 37 8 | 37 2 | 24 3 |
| 381 Fabricated metal products                   | 92700   | 242300  | 369100  | 405100  | 50500   | 105200  | 140600  | 185900  | 54 6 | 45 9 | 51 5 | 40 6 |
| 3811 Cutlery, hand tools and general hardware   | 9556    |         |         |         | 4972    |         |         |         | 52 0 |      | 52 0 |      |
| 3812 Furniture and fixtures primarily of metal  | 8933    |         |         |         | 4409    |         |         |         | 49 4 |      | 57 5 |      |
| 3813 Structural metal products                  | 28737   |         |         |         | 17256   |         |         |         | 60 0 |      | 49 6 |      |
| 3819 Other fabricated metal products            | 45521   |         |         |         | 23871   |         |         |         | 52 4 |      | 51 6 |      |
| 382 Non electrical machinery                    | 128600  | 329800  | 616200  | 934300  | 57500   | 160000  | 301000  | 445100  | 44 7 | 47 6 | 60 8 | 35 9 |
| 3821 Engines and turbines                       | 17659   |         |         |         | 8119    |         |         |         | 46 0 |      | 42 0 |      |
| 3822 Agricultural machinery and equipment       | 27905   |         |         |         | 8558    |         |         |         | 30 7 |      | 57 3 |      |
| 3823 Metal and wood working machinery           | 7063    |         |         |         | 4849    |         |         |         | 65 7 |      | 75 8 |      |
| 3824 Other special industrial machinery         | 28737   |         |         |         | 14108   |         |         |         | 49 1 |      | 59 3 |      |
| 3825 Office, computing and accounting machinery |         |         |         |         | -       |         |         |         |      |      |      |      |
| 3829 Other non-electrical machinery & equipment | 47232   |         |         |         | 21853   |         |         |         | 45 3 |      | 62 9 |      |
| 383 Electrical machinery                        | 127200  | 96900   | 214800  | 252300  | 68200   | 49900   | 138000  | 114900  | 53 6 | 45 5 | 57 5 | 38 0 |
| 3831 Electrical industrial machinery            | 8966    |         |         |         | 4325    |         |         |         | 48 2 |      | 58 4 |      |
| 3832 Radio, television and communication equipm | 34777   |         |         |         | 21092   |         |         |         | 60 6 |      | 47 4 |      |
| 3833 Electrical appliances and housewares       | 44111   |         |         |         | 22100   |         |         |         | 50 1 |      | 60 6 |      |
| 3839 Other electrical apparatus and supplies    | 39332   |         |         |         | 20687   |         |         |         | 52 6 |      | 54 2 |      |
| 384 Transport equipment                         | 216700  | 156500  | 342100  | 1114300 | 84400   | 84000   | 209500  | 587400  | 38 9 | 52 7 | 66 6 | 16 2 |
| 3841 Shipbuilding and repairing                 | 3533    |         |         |         | 1911    |         |         |         | 54 1 |      | 97 6 |      |
| 3842 Railroad equipment                         | 7595    |         |         |         | 1387    |         |         |         | 18 3 |      |      |      |
| 3843 Motor vehicles                             | 190506  |         |         |         | 74806   |         |         |         | 39 3 |      | 65 8 |      |
| 3844 Motorcycles and bicycles                   | 15023   |         |         |         | 6783    |         |         |         | 41 8 |      | 53 3 |      |
| 3845 Aircraft                                   |         |         |         |         | -       |         |         |         |      |      |      |      |
| 3849 Other transport equipment                  | 56      |         |         |         | 30      |         |         |         | 63 6 |      | 23 3 |      |
| 385 Professional and scientific equipment       | 7900    | 11400   | 26100   | 41700   | 5000    | 5900    | 9600    | 19200   | 63 3 | 46 0 | 55 4 | 42 7 |
| 3851 Prof and scientific equipment n e c        | 7781    |         |         |         | 4930    |         |         |         | 63 4 |      | 55 2 |      |
| 3852 Photographic and optical goods             |         |         |         |         | -       |         |         |         |      |      |      |      |
| 3853 Watches and clocks                         | 156     |         |         |         | 94      |         |         |         | 60 3 |      | 61 1 |      |
| 390 Other manufacturing industries              | 4100    | 16300   | 24200   | 33100   | 2400    | 5500    | 11700   | 20000   | 58 5 | 60 4 | 42 5 | 18 8 |
| 3901 Jewellery and related articles             | 175     |         |         |         | 125     |         |         |         | 71 4 |      | 38 4 |      |
| 3902 Musical instruments                        |         |         |         |         | -       |         |         |         |      |      |      |      |
| 3903 Sporting and athletic goods                | 29      |         |         |         | 17      |         |         |         | 58 6 |      | 29 4 |      |
| 3909 Manufacturing industries, n e c            | 3868    |         |         |         | 2264    |         |         |         | 58 5 |      | 42 7 |      |
| 3 Total manufacturing                           | 2166800 | 4512100 | 7209500 | 9677100 | 1039800 | 2030900 | 3316000 | 4399100 | 48 0 | 45 5 | 59 2 | 35 4 |

a/ Output (valuation undetermined)

b/ Value added in factor values

## Iran (Islamic Republic of)

| ISIC Industry                             | Note | Gross fixed capital formation |        |        |        | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|--------|--------|--------|------|--|------|------|------|------|------|------|------|
|   |      | (million RIALS)               |        |        |        |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1989   | 1990   | 1991   |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      | 15442                         | 25966  | 28523  | 53680  |      | 122                                    | 126  | 111  | 109  | 101  | 100  | 113  | 124  |
| 313 Beverages                             |      | 1796                          | 1774   | 3007   | 4778   |      | 102                                    | 111  | 94   | 55   | 67   | 59   | 86   | 92   |
| 314 Tobacco                               |      | 658                           | 389    | -      | 810    |      |  |      |      |      |      |      |      |      |
| 321 Textiles                              |      | 18381                         | 34969  | 57173  | 98738  |      | 146                                    | 148  | 135  | 118  | 105  | 96   | 103  | 117  |
| 322 wearing apparel, except footwear      |      | 430                           | 646    | 3112   | 2620   | a/   | 186                                    | 181  | 165  | 156  | 162  | 168  | 203  | 207  |
| 323 Leather and fur products              |      | 739                           | 1144   | 2972   | 2279   |      | 181                                    | 197  | 197  | 154  | 142  | 136  | 151  | 167  |
| 324 Footwear, except rubber or plastic    |      | 939                           | 802    | 1302   | 2440   | a/   |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      | 1141                          | 4007   | 5603   | 9276   | b/   | 159                                    | 156  | 138  | 142  | 141  | 154  | 164  | 162  |
| 332 Furniture and fixtures, excl metal    |      | 968                           | 1474   | 767    | 3860   | b/   |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      | 2444                          | 6474   | 4063   | 13393  |      |  |      |      |      |      |      |      |      |
| 342 Printing and publishing               |      | 720                           | 4476   | 6277   | 5842   |      |  |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      | 1778                          | 10056  | 16703  | 20404  | c/   | 141                                    | 141  | 140  | 131  | 123  | 137  | 186  | 189  |
| 352 Other chemicals                       |      | 6250                          | 12330  | 21285  | 26042  | c/   |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      | 539                           | 814    | 713    | 478    |      | 96                                     | 99   | 80   | 79   | 90   | 98   | 110  | 118  |
| 354 Misc petroleum and coal products      |      | 269                           | 611    | 2962   | 2631   |      |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      | 3733                          | 6977   | 2582   | 7303   |      | 147                                    | 145  | 138  | 157  | 146  | 166  | 226  | 275  |
| 356 Plastic products                      |      | 4336                          | 13271  | 6260   | 14387  |      |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      | 341                           | 902    | 1213   | 2486   | d/   | 141                                    | 145  | 138  | 144  | 136  | 142  | 162  | 180  |
| 362 Glass and products                    |      | 2386                          | 4503   | 9470   | 7817   | d/   |  |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      | 20775                         | 39424  | 43890  | 66898  | d/   |  |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      | 3757                          | 5518   | 14109  | 31071  |      |  |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |      | 1971                          | 2499   | 9836   | 101318 |      |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      | 6419                          | 30371  | 20285  | 33211  |      | 133                                    | 123  | 110  | 104  | 88   | 72   | 93   | 126  |
| 382 Non-electrical machinery              |      | 10020                         | 20728  | 27541  | 77446  |      | 271                                    | 250  | 170  | 126  | 103  | 96   | 143  | 213  |
| 383 Electrical machinery                  |      | 6318                          | 6748   | 9357   | 17461  |      | 168                                    | 152  | 124  | 106  | 101  | 109  | 143  | 228  |
| 384 Transport equipment                   |      | 17821                         | 7846   | 11197  | 48413  |      | 194                                    | 174  | 120  | 62   | 66   | 67   | 65   | 173  |
| 385 Professional and scientific equipment |      | 654                           | 510    | 2086   | 2733   |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      | 420                           | 211    | 2218   | 1588   |      |  |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      | 130444                        | 244428 | 314494 | 659391 |      |  |      |      |      |      |      |      |      |

a/ 322 includes 324  
c/ 351 includes 352

b/ 331 includes 332  
d/ 361 includes 362 and 369

## IRAQ

**Supplier of information:**

Central Statistical Organization, Ministry of Planning, Baghdad.

**Basic source of data:**

Quarterly industrial survey.

**Major deviations from current version of ISIC:**

The estimates are based on the previous version of the ISIC.

Establishments specializing in repair work are classified in manufacturing industries according to the type of product repaired.

**Reference period (if not calendar year):****Scope:**

Establishments in the public and private sectors employing 30 or more persons and with a capital of 100,000 dinars or more.

**Method of enumeration:**

Individual site visits by enumerators.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of establishments and number of employees relate to averages of the quarterly numbers, and cover establishments which are actually in operation.

**Related national publications:**

Annual Abstract of Statistics; Results of the Industrial Survey (annual), both published by the Central Statistical Organization, Ministry of Planning, Baghdad.

## Iraq

| ISIC Industry                             | Number of establishments |           |      |       | Number of employees |      |           |         |        | Wages and salaries paid to employees |      |                   |         |      |      |
|---|--------------------------|-----------|------|-------|---------------------|------|-----------|---------|--------|--------------------------------------|------|-------------------|---------|------|------|
|   | Note                     | (numbers) |      |       |                     | Note | (numbers) |         |        |                                      | Note | (thousand DINARS) |         |      |      |
|   |                          | 1985      | 1990 | 1991  | 1992                |      | 1985      | 1990    | 1991   | 1992                                 |      | 1985              | 1990    | 1991 | 1992 |
| 311/2 Food Products                       |                          |           |      | 120   | 124                 |      |           | 12808   | 12000  |                                      |      | 35594             | 51427   |      |      |
| 313 Beverages                             |                          |           |      | 16    | 16                  |      |           | 3880    | 4000   |                                      |      | 12651             | 26713   |      |      |
| 314 Tobacco                               |                          |           |      | 1     | 1                   |      |           | 1293    | 1000   |                                      |      | 2956              | 5910    |      |      |
| 321 Textiles                              |                          |           |      | 56    | 55                  |      |           | 18513   | 17000  |                                      |      | 44550             | 72228   |      |      |
| 322 Wearing apparel, except footwear      |                          |           |      | 24    | 42                  |      |           | 7502    | 8000   |                                      |      | 11361             | 20705   |      |      |
| 323 Leather and fur products              |                          |           |      | 1     | 2                   |      |           | 37      | 1000   |                                      |      | 79                | 246     |      |      |
| 324 Footwear, except rubber or plastic    |                          |           |      | 6     | 6                   |      |           | 3097    | 3000   |                                      |      | 7526              | 14787   |      |      |
| 331 Wood products, except furniture       |                          |           |      | 22a/  | 22a/                |      |           | 1012a/  | 1000a/ |                                      |      | 2021a/            | 2488a/  |      |      |
| 332 Furniture and fixtures, excl metal    |                          |           |      | a/    | a/                  |      |           | a/      | a/     |                                      |      | a/                | a/      |      |      |
| 341 Paper and products                    |                          |           |      | 34b/  | 15                  |      |           | 7707b/  | 4000   |                                      |      | 21271b/           | 23605   |      |      |
| 342 Printing and publishing               |                          |           |      | b/    | 19                  |      |           | b/      | 3000   |                                      |      | b/                | 8715    |      |      |
| 351 Industrial chemicals                  |                          |           |      | 112c/ | 10                  |      |           | 23946c/ | 7000   |                                      |      | 88873c/           | 37780   |      |      |
| 352 Other chemicals                       |                          |           |      | c/    | 15                  |      |           | c/      | 3000   |                                      |      | c/                | 13044   |      |      |
| 353 Petroleum refineries                  |                          |           |      | c/    | 3                   |      |           | c/      | 8000   |                                      |      | c/                | 71572   |      |      |
| 354 Misc petroleum and coal products      |                          |           |      | c/    | 42                  |      |           | c/      | 2000   |                                      |      | c/                | 13092   |      |      |
| 355 Rubber products                       |                          |           |      | c/    | 4                   |      |           | c/      | 2000   |                                      |      | c/                | 6747    |      |      |
| 356 Plastic products                      |                          |           |      | c/    | 46                  |      |           | c/      | 1000   |                                      |      | c/                | 5638    |      |      |
| 361 Pottery, china, earthenware           |                          |           |      | 136d/ | 1                   |      |           | 17840d/ |        |                                      |      | 45253d/           | 13      |      |      |
| 362 Glass and products                    |                          |           |      | d/    | 7                   |      |           | d/      | 2000   |                                      |      | d/                | 11305   |      |      |
| 369 Other non-metallic mineral products   |                          |           |      | d/    | 172                 |      |           | d/      | 18000  |                                      |      | d/                | 78048   |      |      |
| 371 Iron and steel                        |                          |           |      | 1e/   | 1e/                 |      |           | 4432e/  | 5000e/ |                                      |      | 13042e/           | 40711e/ |      |      |
| 372 Non-ferrous metals                    |                          |           |      | e/    | e/                  |      |           | e/      | e/     |                                      |      | e/                | e/      |      |      |
| 381 Fabricated metal products             |                          |           |      | 19    | 20                  |      |           | 6302    | 8000   |                                      |      | 17392             | 73308   |      |      |
| 382 Non-electrical machinery              |                          |           |      | 11    | 8                   |      |           | 6521    | 6000   |                                      |      | 20646             | 50357   |      |      |
| 383 Electrical machinery                  |                          |           |      | 8     | 8                   |      |           | 10324   | 10000  |                                      |      | 25778             | 55850   |      |      |
| 384 Transport equipment                   |                          |           |      | 4     | 4                   |      |           | 617     | -      |                                      |      | 1458              | 2985    |      |      |
| 385 Professional and scientific equipment |                          |           |      | -     | -                   |      |           | -       | -      |                                      |      | -                 | -       |      |      |
| 390 Other manufacturing industries        |                          |           |      | -     | 1                   |      |           | -       | -      |                                      |      | -                 | 163     |      |      |
| 3 Total manufacturing                     |                          |           |      | 571   | 644                 |      |           | 125631  | 126000 |                                      |      | 350461            | 657428  |      |      |

a/ 331 includes 332  
c/ 351 includes 352, 353, 354, 355 and 356  
e/ 371 includes 372

b/ 341 includes 342  
d/ 361 includes 362 and 369

| ISIC Industry                             | Note | Output in factor values |      |          |         | Note | Value added in factor values |          |          |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-------------------------|------|----------|---------|------|------------------------------|----------|----------|------|--------------------------------|------|--|------|
|   |      | (thousand DINARS)       |      |          |         |      | (thousand DINARS)            |          |          |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                    | 1990 | 1991     | 1992    |      | 1985                         | 1990     | 1991     | 1992 | 1985                           | 1992 | 1986                                       | 1992 |
| 311/2 Food Products                       |      | ...                     | ...  | 382218   | 152400  | ...  | ...                          | 69384    | 248500   | ...  | ...                            | ...  | 20.7                                       |      |
| 313 Beverages                             |      | ...                     | ...  | 104339   | 26600   | ...  | ...                          | 63624    | 113700   | ...  | ...                            | ...  | 23.6                                       |      |
| 314 Tobacco                               |      | ...                     | ...  | 14494    | 58500   | ...  | ...                          | 9217     | 28100    | ...  | 48.0                           | ...  | 21.0                                       |      |
| 321 Textiles                              |      | ...                     | ...  | 91776    | 283700  | ...  | ...                          | 45982    | 77400    | ...  | 27.3                           | ...  | 93.3                                       |      |
| 322 Wearing apparel, except footwear      |      | ...                     | ...  | 52939    | 107300  | ...  | ...                          | 27166    | 24500    | ...  | 22.8                           | ...  | 84.6                                       |      |
| 323 Leather and fur products              |      | ...                     | ...  | 708      | 4400    | ...  | ...                          | 242      | -        | ...  | ...                            | ...  | ...  |      |
| 324 Footwear, except rubber or plastic    |      | ...                     | ...  | 57718    | 131400  | ...  | ...                          | 38121    | 16200    | ...  | 12.3                           | ...  | 91.2                                       |      |
| 331 Wood products, except furniture       |      | ...                     | ...  | 9330a/   | 13300a/ | ...  | ...                          | 4189a/   | 4600a/   | ...  | 34.6                           | ...  | 54.1                                       |      |
| 332 Furniture and fixtures, excl. metal   |      | ...                     | ...  | ...a/    | ...a/   | ...  | ...                          | ...a/    | ...a/    | ...  | ...                            | ...  | ...  |      |
| 341 Paper and products                    |      | ...                     | ...  | 52673b/  | 76800   | ...  | ...                          | 20624b/  | 70900    | ...  | 93.5                           | ...  | 33.3                                       |      |
| 342 Printing and publishing               |      | ...                     | ...  | ...b/    | 53800   | ...  | ...                          | ...b/    | 27400    | ...  | 60.9                           | ...  | 31.8                                       |      |
| 351 Industrial chemicals                  |      | ...                     | ...  | 477105c/ | 187100  | ...  | ...                          | 294998c/ | 746000   | ...  | ...                            | ...  | 5.1  |      |
| 352 Other chemicals                       |      | ...                     | ...  | ...c/    | 42500   | ...  | ...                          | ...c/    | 22900    | ...  | 53.9                           | ...  | 57.0                                       |      |
| 353 Petroleum refineries                  |      | ...                     | ...  | ...c/    | 457100  | ...  | ...                          | ...c/    | 776000   | ...  | ...                            | ...  | 9.2  |      |
| 354 Misc. petroleum and coal products     |      | ...                     | ...  | ...c/    | 123000  | ...  | ...                          | ...c/    | 66000    | ...  | 52.8                           | ...  | 20.1                                       |      |
| 355 Rubber products                       |      | ...                     | ...  | ...c/    | 31200   | ...  | ...                          | ...c/    | 12200    | ...  | 39.1                           | ...  | 55.3                                       |      |
| 356 Plastic products                      |      | ...                     | ...  | ...c/    | 96700   | ...  | ...                          | ...c/    | 27800    | ...  | 28.7                           | ...  | 20.3                                       |      |
| 361 Pottery, china, earthenware           |      | ...                     | ...  | 84221d/  | -       | ...  | ...                          | 18758d/  | -        | ...  | ...                            | ...  | ...  |      |
| 362 Glass and products                    |      | ...                     | ...  | ...d/    | 18600   | ...  | ...                          | ...d/    | 16500    | ...  | 88.7                           | ...  | 68.5                                       |      |
| 369 Other non-metallic mineral products   |      | ...                     | ...  | ...d/    | 333900  | ...  | ...                          | ...d/    | 785900   | ...  | ...                            | ...  | 9.9  |      |
| 371 Iron and steel                        |      | ...                     | ...  | 14079e/  | 73400e/ | ...  | ...                          | 7256e/   | 148200e/ | ...  | ...                            | ...  | 27.6                                       |      |
| 372 Non-ferrous metals                    |      | ...                     | ...  | ...e/    | ...e/   | ...  | ...                          | ...e/    | ...e/    | ...  | ...                            | ...  | ...  |      |
| 381 Fabricated metal products             |      | ...                     | ...  | 50741    | 123300  | ...  | ...                          | 30360    | 89200    | ...  | 72.3                           | ...  | 82.2                                       |      |
| 382 Non-electrical machinery              |      | ...                     | ...  | 36904    | 92400   | ...  | ...                          | 16387    | 49400    | ...  | 53.6                           | ...  | ...  |      |
| 383 Electrical machinery                  |      | ...                     | ...  | 39339    | 94300   | ...  | ...                          | 12882    | 141800   | ...  | ...                            | ...  | 39.4                                       |      |
| 384 Transport equipment                   |      | ...                     | ...  | 7159     | 9800    | ...  | ...                          | 3601     | 8500     | ...  | 86.7                           | ...  | 36.1                                       |      |
| 385 Professional and scientific equipment |      | ...                     | ...  | -        | -       | ...  | ...                          | -        | -        | ...  | ...                            | ...  | ...  |      |
| 390 Other manufacturing industries        |      | ...                     | ...  | -        | 2700    | ...  | ...                          | -        | -        | ...  | ...                            | ...  | ...  |      |
| 3 Total manufacturing                     |      | ...                     | ...  | 1475643  | 2593300 | ...  | ...                          | 661490   | 3499700  | ...  | ...                            | ...  | 19.6                                       |      |

a/ 331 includes 332  
c/ 351 includes 352, 353, 354, 355 and 356  
e/ 371 includes 372

b/ 341 includes 342  
d/ 361 includes 362 and 369

## Iraq

| ISIC Industry                             | Gross fixed capital formation |                   |      |      |      | Index numbers of industrial production |            |      |      |      |      |      |      |      |      |
|---|-------------------------------|-------------------|------|------|------|--|------------|------|------|------|------|------|------|------|------|
|   | Note                          | (thousand DINARS) |      |      |      | Note                                   | (1980=100) |      |      |      |      |      |      |      |      |
|   |                               | 1985              | 1990 | 1991 | 1992 |  | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 313 Beverages                             |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 314 Tobacco                               |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 321 Textiles                              |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 322 Wearing apparel, except footwear      |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 323 Leather and fur products              |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 324 Footwear, except rubber or plastic    |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 331 Wood products, except furniture       |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 332 Furniture and fixtures, excl. metal   |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 341 Paper and products                    |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 342 Printing and publishing               |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 351 Industrial chemicals                  |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 352 Other chemicals                       |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 353 Petroleum refineries                  |                               | ...               | ...  | ...  | ...  |  | 138        | 150  | 147  | 203  | 204  | 225  | 199  | 157  | 199  |
| 354 Misc. petroleum and coal products     |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 355 Rubber products                       |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 356 Plastic products                      |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 361 Pottery, china, earthenware           |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 362 Glass and products                    |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 369 Other non-metallic mineral products   |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 371 Iron and steel                        |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 372 Non-ferrous metals                    |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 381 Fabricated metal products             |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 382 Non-electrical machinery              |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 383 Electrical machinery                  |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 384 Transport equipment                   |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 385 Professional and scientific equipment |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 390 Other manufacturing industries        |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 3 Total manufacturing                     |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |



## IRELAND

**Supplier of information:**

Irish Central Statistics Office, Dublin.

Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to NIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

**Basic source of data:**

Annual census of industrial establishments.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

All establishments engaged in industrial activity which have on average three or more persons engaged during the year. The majority of the industrial establishments covered are individual factories. However, where two or more distinct activities are conducted at the same location each is distinguished, in principle, as a separate establishment. The extent to which separate returns are obtained for each individual establishment, however, depends on the scale of the different activities involved and the availability of separate records in the business for the different establishments. Any sizeable non-industrial activity is excluded.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Establishment is defined as a single economic activity conducted at a particular location. Number of establishments includes all the separate production locations of multi-location enterprises even if separate details are not provided by the respondent.

Number of employees refers to number of persons who are paid a fixed wage or salary. Persons at work or temporarily absent because of illness, holidays, strikes, etc. are included, as are part-time workers. Homeworkers are excluded. The numbers given for each year refer to a week in September.

Output represents the net selling value of all goods manufactured in the year, whether sold or not, and the value of work done. In general, for establishments working on commission on materials supplied to them by other firms, only the payments received by them for the work done are included. Operating subsidies related to the production or sales of the output are included in the value of output; excise duty and VAT are excluded.

Value added is the difference between the value of output and industrial inputs. Industrial inputs consists of the industrial materials, industrial services, fuel and power used in the production of the output. Industrial materials and services comprise materials for processing and ancillary goods and services, i.e. packing materials, repairs and the cost of contract work done by other firms on materials supplied by the establishment. Valuation is exclusive of deductible VAT.

Gross fixed capital formation is the difference between acquisitions and sales of capital assets. Capital assets (land, buildings, plant and equipment) are defined as goods with an expected useful life of more than one year intended for use by the establishment itself. Acquisitions include purchases from other establishments and production by the establishment itself of capital goods for its own use. Major alterations, improvements and repairs that extend the useful life of an asset or increase its productivity are included. The value of work put in place during the year is included whether or not completed. Acquisitions are valued at total cost including installation charges and fees or duties but excluding deductible VAT and financial costs. Sales are valued at the actual price received excluding VAT.

**Related national publications:**

Census of Industrial Production (annual), published by the Central Statistics Office, Dublin

## Ireland

| ISIC Industry                             | Note | Number of establishments<br>(numbers) |      |      |      | Note | Number of employees<br>(numbers) |        |        |        | Note | Wages and salaries paid<br>to employees<br>(million POUNDS) |        |        |        |
|---|------|---------------------------------------|------|------|------|------|----------------------------------|--------|--------|--------|------|---|--------|--------|--------|
|   |      | 1985                                  | 1988 | 1989 | 1990 |      | 1985                             | 1988   | 1989   | 1990   |      | 1985  | 1988   | 1989   | 1990   |
| 1510 Industry                             |      |                                       |      |      |      |      |                                  |        |        |        |      |   |        |        |        |
| 311.2 Food Products                       |      | 805                                   | 789  | 791  | 765  |      | 38900                            | 37288  | 36617  | 36679  |      | 374.0   | 411.1  | 431.2  | 444.0  |
| 313 Beverages                             |      | 73                                    | 68   | 67   | 62   |      | 8000                             | 5314   | 5070   | 4741   |      | 89.2  | 96.8   | 95.8   | 94.4   |
| 314 Tobacco                               |      | 8                                     | 8    | 8    | 8    |      | 1900                             | 1585   | 1493   | 1289   |      | 25.0  | 23.1   | 22.8   | 24.8   |
| 321 Textiles                              |      | 238                                   | 242  | 234  | 228  |      | 11800                            | 11633  | 11708  | 11752  |      | 93.0  | 108.9  | 115.1  | 117.3  |
| 322 Wearing apparel, except footwear      |      | 265                                   | 244  | 247  | 251  |      | 12000                            | 10769  | 10475  | 10887  |      | 66.9  | 70.0   | 71.5   | 76.8   |
| 323 Leather and fur products              |      | 52                                    | 43   | 36   | 36   |      | 700                              | 578    | 569    | 560    |      | 5.2   | 4.5    | 5.1    | 5.3    |
| 324 Footwear, except rubber or plastic    |      | 27                                    | 28   | 25   | 23   |      | 1400                             | 1103   | 998    | 733    |      | 11.6  | 8.7    | 7.9    | 6.3    |
| 331 Wood products, except furniture       |      | 291                                   | 247  | 239  | 223  |      | 4300                             | 4010   | 4257   | 4430   |      | 31.9  | 35.4   | 40.1   | 45.0   |
| 332 Furniture and fixtures, excl. metal   |      | 266                                   | 242  | 226  | 212  |      | 3400                             | 3154   | 3351   | 3086   |      | 21.3  | 23.1   | 25.2   | 24.9   |
| 341 Paper and products                    |      | 70                                    | 86   | 81   | 87   |      | 3200                             | 3293   | 3371   | 3406   |      | 33.6  | 42.0   | 46.1   | 48.2   |
| 342 Printing and publishing               |      | 305                                   | 363  | 358  | 347  |      | 9800                             | 10790  | 11014  | 11001  |      | 109.3   | 145.4  | 159.9  | 167.2  |
| 351 Industrial chemicals                  | a/   | 199                                   | 218  | 216  | 217  | a/   | 11700                            | 12517  | 12913  | 13581  | a/   | 155.8   | 200.0  | 213.8  | 237.2  |
| 352 Other chemicals                       | a/   |                                       |      |      |      | a/   |                                  |        |        |        | a/   |   |        |        |        |
| 353 Petroleum refineries                  | b/   | 9                                     | 10   | 10   | 9    | b/   | 400                              | 365    | 419    | 424    | b/   | 5.6   | 6.0    | 7.8    | 8.0    |
| 354 Misc. petroleum and coal products     | b/   |                                       |      |      |      | b/   |                                  |        |        |        | b/   |   |        |        |        |
| 355 Rubber products                       |      | 35                                    | 36   | 43   | 42   |      | 2200                             | 2084   | 2162   | 2413   |      | 22.6  | 24.3   | 27.6   | 33.9   |
| 356 Plastic products                      |      | 163                                   | 208  | 211  | 218  |      | 5300                             | 6302   | 6773   | 7015   |      | 48.2  | 67.2   | 73.6   | 80.6   |
| 361 Pottery, china, earthenware           |      | 18                                    | 16   | 20   | 16   |      | 700                              | 636    | 650    | 679    |      | 6.0   | 6.0    | 6.6    | 7.0    |
| 362 Glass and products                    |      | 51                                    | 50   | 46   | 47   |      | 4700                             | 3958   | 4185   | 3935   |      | 63.2  | 68.3   | 72.2   | 55.9   |
| 369 Other non-metallic mineral products   |      | 271                                   | 242  | 230  | 243  |      | 7100                             | 6108   | 6403   | 6486   |      | 82.1  | 86.9   | 93.4   | 98.0   |
| 371 Iron and steel                        |      | 27                                    | 30   | 30   | 32   |      | 1600                             | 1568   | 1574   | 1645   |      | 18.3  | 20.3   | 21.9   | 24.2   |
| 372 Non-ferrous metals                    |      | 12                                    | 11   | 13   | 13   |      | 300                              | 148    | 179    | 196    |      | 3.3   | 1.4    | 1.7    | 2.1    |
| 381 Fabricated metal products             |      | 649                                   | 628  | 614  | 597  |      | 11900                            | 11515  | 12231  | 12570  |      | 103.2   | 111.8  | 125.0  | 138.7  |
| 382 Non-electrical machinery              |      | 297                                   | 310  | 326  | 334  |      | 14000                            | 14222  | 15161  | 15862  |      | 143.4   | 177.9  | 197.1  | 208.8  |
| 383 Electrical machinery                  |      | 248                                   | 289  | 291  | 291  |      | 17300                            | 18942  | 20195  | 22047  |      | 156.6   | 209.7  | 228.7  | 258.3  |
| 384 Transport equipment                   |      | 117                                   | 120  | 121  | 120  |      | 6900                             | 7104   | 7190   | 7442   |      | 76.7  | 99.6   | 104.3  | 116.9  |
| 385 Professional and scientific equipment |      | 82                                    | 83   | 84   | 81   |      | 6700                             | 6993   | 7410   | 7896   |      | 64.9  | 84.3   | 88.6   | 98.4   |
| 390 Other manufacturing industries        |      | 93                                    | 97   | 97   | 100  |      | 2200                             | 2608   | 2846   | 2932   |      | 16.2  | 22.6   | 24.7   | 27.9   |
| 3 Total manufacturing                     |      | 4671                                  | 4708 | 4664 | 4602 |      | 186400                           | 184587 | 189223 | 193567 |      | 1828.0  | 2155.1 | 2307.7 | 2449.0 |

a/ 351 includes 352

b/ 353 includes 354

## Ireland

| ISIC Industry                             | Note | Output in factor values |         |         |         | Note | Value added in factor values |        |        |        | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-------------------------|---------|---------|---------|------|------------------------------|--------|--------|--------|--------------------------------|------|--|------|
|   |      | (million POUNDS)        |         |         |         |      | (million POUNDS)             |        |        |        | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                    | 1988    | 1989    | 1990    |      | 1985                         | 1988   | 1989   | 1990   | 1985                           | 1990 | 1985                                       | 1990 |
| 311/2 Food Products                       |      | 4795 0                  | 5767 4  | 6261 1  | 6386 4  |      | 1120 1                       | 1604 2 | 1781 2 | 1828 3 | 23 4                           | 28 6 | 33 4                                       | 24 3 |
| 313 Beverages                             |      | 528 0                   | 648 9   | 711 0   | 767 9   |      | 310 2                        | 386 9  | 423 3  | 477 3  | 58 7                           | 62 2 | 28 8                                       | 19 8 |
| 314 Tobacco                               |      | 125 0                   | 128 4   | 127 6   | 143 0   |      | 77 7                         | 84 2   | 84 4   | 99 8   | 62 2                           | 69 8 | 32 2                                       | 24 8 |
| 321 Textiles                              |      | 483 0                   | 498 2   | 528 5   | 541 8   |      | 169 7                        | 192 6  | 204 8  | 208 2  | 35 1                           | 38 4 | 64 8                                       | 56 3 |
| 322 Wearing apparel, except footwear      |      | 226 0                   | 231 6   | 238 0   | 270 2   |      | 110 3                        | 114 5  | 113 7  | 124 7  | 48 8                           | 46 1 | 60 7                                       | 61 6 |
| 323 Leather and fur products              |      | 54 0                    | 55 2    | 63 0    | 59 7    |      | 10 8                         | 9 7    | 10 9   | 12 7   | 20 0                           | 21 3 | 57 4                                       | 42 1 |
| 324 Footwear, except rubber or plastic    |      | 39 0                    | 28 1    | 24 6    | 22 9    |      | 20 3                         | 14 1   | 11 4   | 11 1   | 52 1                           | 48 6 | 57 1                                       | 56 3 |
| 331 Wood products, except furniture       |      | 169 0                   | 212 6   | 235 3   | 262 8   |      | 62 1                         | 82 8   | 91 7   | 102 7  | 36 7                           | 39 1 | 51 4                                       | 43 8 |
| 332 Furniture and fixtures, excl metal    |      | 85 0                    | 98 7    | 116 8   | 116 0   |      | 37 2                         | 42 4   | 50 4   | 51 9   | 43 8                           | 44 7 | 67 3                                       | 48 0 |
| 341 Paper and products                    |      | 190 0                   | 250 3   | 275 4   | 287 7   |      | 70 4                         | 97 0   | 100 2  | 114 8  | 37 1                           | 39 9 | 47 7                                       | 42 0 |
| 342 Printing and publishing               |      | 316 0                   | 449 0   | 504 3   | 529 7   |      | 205 2                        | 281 4  | 313 5  | 338 1  | 64 9                           | 63 8 | 63 3                                       | 49 5 |
| 351 Industrial chemicals                  | a/   | 1777 0                  | 1895 9  | 2311 0  | 2456 4  | a/   | 966 7                        | 1102 2 | 1380 9 | 1492 6 | 54 4                           | 60 8 | 16 1                                       | 15 9 |
| 352 Other chemicals                       | a/   |                         |         |         |         | a/   |                              |        |        |        |                                |      |  |      |
| 353 Petroleum refineries                  | b/   | 297 0                   | 145 4   | 190 4   | 244 3   | b/   | 14 0                         | 21 0   | 22 8   | 18 6   | 4 7                            | 7 6  | 40 0                                       | 43 3 |
| 354 Misc petroleum and coal products      | b/   |                         |         |         |         | b/   |                              |        |        |        |                                |      |  |      |
| 355 Rubber products                       |      | 100 0                   | 120 3   | 124 2   | 142 8   |      | 45 4                         | 60 4   | 69 4   | 70 8   | 45 4                           | 49 6 | 49 8                                       | 47 9 |
| 356 Plastic products                      |      | 266 0                   | 382 0   | 424 8   | 441 2   |      | 119 9                        | 163 1  | 179 7  | 199 9  | 45 1                           | 45 3 | 40 2                                       | 40 3 |
| 361 Pottery, china, earthenware           |      | 28 0                    | 23 8    | 28 0    | 28 9    |      | 12 0                         | 13 6   | 15 1   | 16 9   | 42 3                           | 58 6 | 60 0                                       | 41 2 |
| 362 Glass and products                    |      | 164 0                   | 163 1   | 179 0   | 153 8   |      | 105 6                        | 103 7  | 109 4  | 87 1   | 64 4                           | 56 6 | 69 8                                       | 64 2 |
| 369 Other non-metallic mineral products   |      | 540 0                   | 566 8   | 683 9   | 702 2   |      | 243 6                        | 272 0  | 317 5  | 337 4  | 45 1                           | 48 0 | 33 7                                       | 29 0 |
| 371 Iron and steel                        |      | 105 0                   | 128 2   | 160 1   | 161 3   |      | 34 6                         | 68 3   | 68 4   | 65 3   | 33 0                           | 34 3 | 62 9                                       | 43 8 |
| 372 Non-ferrous metals                    |      | 28 0                    | 29 1    | 30 8    | 28 0    |      | 7 4                          | 6 3    | 6 1    | 6 0    | 26 4                           | 21 5 | 44 6                                       | 35 5 |
| 381 Fabricated metal products             |      | 466 0                   | 542 8   | 603 6   | 662 0   |      | 203 0                        | 240 1  | 253 9  | 283 3  | 43 6                           | 42 8 | 50 8                                       | 49 0 |
| 382 Non-electrical machinery              |      | 1934 0                  | 2509 1  | 2899 2  | 2569 9  |      | 800 9                        | 1180 0 | 1363 2 | 1226 3 | 41 4                           | 47 7 | 17 9                                       | 17 0 |
| 383 Electrical machinery                  |      | 986 0                   | 1630 5  | 1963 2  | 1911 7  |      | 479 9                        | 891 3  | 1174 8 | 1110 8 | 48 7                           | 58 1 | 32 6                                       | 23 3 |
| 384 Transport equipment                   |      | 251 0                   | 311 5   | 362 1   | 376 0   |      | 108 5                        | 162 7  | 177 0  | 186 7  | 43 2                           | 49 7 | 70 7                                       | 62 1 |
| 385 Professional and scientific equipment |      | 408 0                   | 469 0   | 523 5   | 644 7   |      | 244 5                        | 292 5  | 344 3  | 368 6  | 69 9                           | 67 7 | 26 5                                       | 26 7 |
| 390 Other manufacturing industries        |      | 80 0                    | 103 1   | 122 3   | 151 5   |      | 37 0                         | 61 6   | 60 5   | 79 6   | 46 2                           | 52 5 | 43 8                                       | 36 1 |
| 3 Total manufacturing                     |      | 14440 0                 | 17389 0 | 19691 6 | 19963 0 |      | 5617 0                       | 7528 6 | 8724 4 | 8909 4 | 38 9                           | 44 6 | 32 5                                       | 27 5 |

a/ 351 includes 352

b/ 353 includes 354

## Ireland

## Gross fixed capital formation

(million POUNDS)

| ISIC Industry                             | Note | Gross fixed capital formation |       |       |       |
|---|------|-------------------------------|-------|-------|-------|
|   |      | 1985                          | 1988  | 1989  | 1990  |
| 311/2 Food Products                       |      | 108 0                         | 155 1 | 164 5 | 183 6 |
| 313 Beverages                             |      | 44 1                          | 29 9  | 35 5  | 50 8  |
| 314 Tobacco                               |      | 2 7                           | 2 3   | 3 5   | 2 9   |
| 321 Textiles                              |      | 18 4                          | 28 7  | 23 5  | 35 3  |
| 322 Wearing apparel, except footwear      |      | 7 0                           | 6 0   | 7 1   | 6 9   |
| 323 Leather and fur products              |      | 0 8                           | 0 6   | 0 7   | -     |
| 324 Footwear, except rubber or plastic    |      | 0 5                           | 1 9   | 0 3   | 0 4   |
| 331 Wood products, except furniture       |      | 6 7                           | 7 2   | 13 2  | 12 5  |
| 332 Furniture and fixtures, excl metal    |      | 1 9                           | 3 0   | 4 4   | 6 3   |
| 341 Paper and products                    |      | 3 8                           | 12 0  | 10 6  | 18 9  |
| 342 Printing and publishing               |      | 15 9                          | 37 1  | 32 9  | 45 2  |
| 351 Industrial chemicals                  | b/   | 64 9                          | 122 8 | 110 7 | 168 7 |
| 352 Other chemicals                       | b/   |                               |       |       |       |
| 353 Petroleum refineries                  | c/   | 2 2                           | 2 3   | 2 3   | 1 9   |
| 354 Misc petroleum and coal products      | c/   |                               |       |       |       |
| 355 Rubber products                       |      | 4 3                           | 5 8   | 4 7   | 16 7  |
| 356 Plastic products                      |      | 19 5                          | 24 5  | 23 8  | 29 1  |
| 361 Pottery, china, earthenware           |      | 1 4                           | 1 0   | 0 9   | 0 9   |
| 362 Glass and products                    |      | 6 0                           | 6 2   | 11 7  | 10 4  |
| 369 Other non-metallic mineral products   |      | 16 5                          | 21 3  | 53 0  | 36 9  |
| 371 Iron and steel                        |      | 3 0                           | 5 0   | 2 9   | 4 3   |
| 372 Non-ferrous metals                    |      | 2 4                           | 0 5   | 0 7   | 0 7   |
| 381 Fabricated metal products             |      | 15 1                          | 19 3  | 41 8  | 31 8  |
| 382 Non-electrical machinery              |      | 56 6                          | 48 4  | 74 9  | 64 3  |
| 383 Electrical machinery                  |      | 57 4                          | 62 7  | 74 6  | 66 1  |
| 384 Transport equipment                   |      | 5 6                           | 11 5  | 19 2  | 16 6  |
| 385 Professional and scientific equipment |      | 18 3                          | 20 6  | 22 5  | 40 1  |
| 390 Other manufacturing industries        |      | 1 5                           | 5 1   | 3 1   | 7 0   |
| 3 Total manufacturing                     |      | 484 6                         | 640 9 | 743 0 | 857 3 |

a/ 331 includes 332  
 c/ 353 includes 354  
 e/ 371 includes 372

## Index numbers of industrial production

(1980=100)

| ISIC Industry                             | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |  |
|---|------|--|------|------|------|------|------|------|------|------|--|
|   |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |  |
| 311/2 Food Products                       |      | 115                                    | 121  | 126  | 143  | 150  | 153  | 159  | 166  | 181  |  |
| 313 Beverages                             |      | 103                                    | 110  | 112  | 111  | 120  | 135  | 137  | 143  | 141  |  |
| 314 Tobacco                               |      | 82                                     | 84   | 84   | 79   | 76   | 76   | 73   | 78   | 83   |  |
| 321 Textiles                              |      | 96                                     | 93   | 92   | 96   | 99   | 103  | 111  | 111  | 116  |  |
| 322 Wearing apparel, except footwear      |      | 98                                     | 97   | 97   | 100  | 93   | 87   | 88   | 77   | 75   |  |
| 323 Leather and fur products              |      | 81                                     | 63   | 53   | 49   | 47   | 48   | 47   | 43   | 36   |  |
| 324 Footwear, except rubber or plastic    |      |  |      |      |      |      |      |      |      |      |  |
| 331 Wood products, except furniture       | a/   | 87                                     | 86   | 83   | 83   | 91   | 96   | 102  | 102  | 104  |  |
| 332 Furniture and fixtures, excl metal    | a/   |  |      |      |      |      |      |      |      |      |  |
| 341 Paper and products                    |      | 85                                     | 82   | 86   | 86   | 83   | 89   | 88   | 90   | 91   |  |
| 342 Printing and publishing               |      | 97                                     | 97   | 104  | 118  | 134  | 144  | 147  | 162  | 180  |  |
| 351 Industrial chemicals                  | b/   | 145                                    | 166  | 165  | 173  | 200  | 240  | 247  | 301  | 353  |  |
| 352 Other chemicals                       | b/   |  |      |      |      |      |      |      |      |      |  |
| 353 Petroleum refineries                  |      | 84                                     | 86   | 96   | 89   | 77   | 85   | 101  | 103  | 106  |  |
| 354 Misc petroleum and coal products      |      |  |      |      |      |      |      |      |      |      |  |
| 355 Rubber products                       |      | 102                                    | 102  | 100  | 103  | 105  | 105  | 119  | 126  | 131  |  |
| 356 Plastic products                      |      | 141                                    | 155  | 169  | 170  | 182  | 190  | 199  | 192  | 203  |  |
| 361 Pottery, china, earthenware           | d/   | 92                                     | 99   | 97   | 92   | 93   | 110  | 115  | 108  | 113  |  |
| 362 Glass and products                    | d/   |  |      |      |      |      |      |      |      |      |  |
| 369 Other non-metallic mineral products   | d/   |  |      |      |      |      |      |      |      |      |  |
| 371 Iron and steel                        | e/   | 121                                    | 130  | 120  | 120  | 136  | 151  | 158  | 141  | 128  |  |
| 372 Non-ferrous metals                    | e/   |  |      |      |      |      |      |      |      |      |  |
| 381 Fabricated metal products             |      | 80                                     | 78   | 72   | 72   | 75   | 79   | 84   | 80   | 78   |  |
| 382 Non-electrical machinery              |      | 246                                    | 257  | 291  | 376  | 480  | 531  | 555  | 500  | 580  |  |
| 383 Electrical machinery                  |      | 186                                    | 192  | 200  | 244  | 317  | 409  | 448  | 480  | 542  |  |
| 384 Transport equipment                   |      | 83                                     | 86   | 61   | 62   | 67   | 77   | 76   | 69   | 64   |  |
| 385 Professional and scientific equipment |      | 172                                    | 174  | 174  | 204  | 210  | 234  | 267  | 250  | 287  |  |
| 390 Other manufacturing industries        |      | 81                                     | 82   | 64   | 78   | 78   | 92   | 94   | 91   | 91   |  |

b/ 351 includes 352  
 d/ 361 includes 362 and 369

## ISRAEL

**Supplier of information:**

Central Bureau of Statistics, Jerusalem.

**Basic source of data:**

Annual industry and crafts survey.

The data for 1989 and 1991 are obtained from a monthly sample survey of industrial production.

**Major deviations from current version of ISIC:**

The national classification follows in principle the present version of ISIC. However, it should be noted that: (a) manufacture of knitted goods, except fabrics (part of ISIC 321) is included in ISIC 322 and, for the estimates other than those obtained from the industry and crafts survey, ISIC 3513 is included in ISIC 321 and (b) the diamond industry (part of ISIC 390) is excluded from the scope of inquiry of the special nature of the establishments in the industry.

**Reference period (if not calendar year):****Scope:**

All establishments operating during any part of the survey year, with 5 or more persons engaged, except (a) non-profit establishments (such as workshops for training or rehabilitation purposes), (b) auxiliary industrial units in kibbutz establishments where the bulk of production is consumed by the kibbutz itself and (c) establishments which are being set-up or run-in throughout the survey year and do not currently contribute to the output. The establishments covered account for about 95 per cent of all employees in industry. For 1989 and 1991, the data cover establishments with one or more persons engaged.

The indices of industrial production cover all industrial establishments and workshops with at least one employee.

**Method of enumeration:**

Sampling methods.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of employees refers to annual averages of four selected months of the reference year. For 1989 and 1991 the estimates are averages of 12 monthly figures.

Wages and salaries covers all payments appearing on the pay-roll on which income tax is due, including basic salary, cost-of-living and other allowances (except child allowance), premiums, bonuses, payments for overtime, leave, sickness etc., bus fare, professional literature, thirteenth month salary, maintenance of vehicles, telephone, clothing, lodging and payments in kind (meals, presents, housing etc.). The estimates for 1990 also include labour expenses which do not appear on payrolls, such as payments for national insurance, pension fund etc.

Output does not take into account goods for resale without further processing. Output refers to census output and value added to census value added.

Gross fixed capital formation excludes land and is not adjusted for sales. Progress payments made for fixed assets on order but not yet completed are excluded. Fixed capital formation in new establishments not yet in operation is also excluded.

**Related national publications:**

Industry and Crafts Survey (annual); Statistical Abstract of Israel (annual); Monthly Bulletin of Statistics, all published by the Central Bureau of Statistics, Jerusalem.

Israel

| ISIC Industry                             | Note | Number of establishments |      |      |        | Note    | Number of employees |        |         |      | Note  | Wages and salaries paid to employees |       |        |      |
|---|------|--------------------------|------|------|--------|---------|---------------------|--------|---------|------|-------|--------------------------------------|-------|--------|------|
|   |      | (numbers)                |      |      |        |         | (numbers)           |        |         |      |       | (million SHEKALIM)                   |       |        |      |
|   |      | 1985a/                   | 1990 | 1991 | 1992   |         | 1985a/              | 1990   | 1991    | 1992 |       | 1985a/                               | 1990  | 1991   | 1992 |
| 311/2 Food Products                       |      | 785                      | 1020 | 1139 | 2044b/ | 41700   | 42000               | 43800  | 48800b/ |      | 437   | 1337                                 | 1555  | 1823b/ |      |
| 313 Beverages                             |      | 23                       | 36   | 41   | b/     | 2500    | 3300                | 4200   | b/      |      | 30    | 118                                  | 158   | b/     |      |
| 314 Tobacco                               |      | 3                        | 13   | 13   | b/     | 700     | 600                 | 600    | b/      |      | 12    | 29                                   | 36    | b/     |      |
| 321 Textiles                              |      | 367                      | 456  | 413  | 680    | 16700   | 14100               | 14100  | 14500   |      | 185   | 466                                  | 509   | 489    |      |
| 322 Wearing apparel, except footwear      |      | 703                      | 1082 | 1189 | 2071   | 28800   | 30900               | 31900  | 33900   |      | 184   | 588                                  | 671   | 869    |      |
| 323 Leather and fur products              |      | 76                       | 56   | 63   | 451c/  | 800     | 900                 | 1100   | 4200c/  |      | 8     | 21                                   | 29    | 128c/  |      |
| 324 Footwear, except rubber or plastic    |      | 129                      | 131  | 157  | c/     | 2700    | 2500                | 2800   | c/      |      | 29    | 67                                   | 81    | c/     |      |
| 331 Wood products, except furniture       |      | 165                      | 332  | 396  | 2776d/ | 4900    | 5300                | 6200   | 15600d/ |      | 64    | 163                                  | 212   | 522d/  |      |
| 332 Furniture and fixtures, excl metal    |      | 402                      | 440  | 485  | d/     | 8000    | 5700                | 6000   | d/      |      | 60    | 155                                  | 175   | d/     |      |
| 341 Paper and products                    |      | 139                      | 165  | 184  | 263    | 6600    | 6400                | 6500   | 6600    |      | 103   | 261                                  | 298   | 323    |      |
| 342 Printing and publishing               |      | 595                      | 833  | 866  | 1652   | 11400   | 15900               | 16900  | 18000   |      | 155   | 578                                  | 609   | 800    |      |
| 351 Industrial chemicals                  |      | 88e/                     | 83e/ | 94e/ | 2831// | 10000e/ | 9800e/              | 9800e/ | 18900f/ |      | 218e/ | 674e/                                | 774e/ | 1483f/ |      |
| 352 Other chemicals                       |      | 148                      | 134  | 127  | f/     | 8600    | 9600                | 8600   | f/      |      | 145   | 478                                  | 548   | f/     |      |
| 353 Petroleum refineries                  |      | e/                       | e/   | e/   | f/     | e/      | e/                  | e/     | f/      |      | e/    | e/                                   | e/    | f/     |      |
| 354 Misc petroleum and coal products      |      | e/                       | e/   | e/   | f/     | e/      | e/                  | e/     | f/      |      | e/    | e/                                   | e/    | f/     |      |
| 355 Rubber products                       |      | 58                       | 50   | 57   | 699g/  | 3600    | 2200                | 2300   | 13600g/ |      | 54    | 84                                   | 103   | 539g/  |      |
| 356 Plastic products                      |      | 383                      | 406  | 452  | g/     | 8900    | 12300               | 13500  | g/      |      | 108   | 367                                  | 461   | g/     |      |
| 361 Pottery, china, earthenware           |      | 33                       | 24   | 31   | 846h/  | 1300    | 1000                | 1100   | 11700h/ |      | 20    | 37                                   | 47    | 671h/  |      |
| 362 Glass and products                    |      | 34                       | 28   | 39   | h/     | 1000    | 800                 | 900    | h/      |      | 19    | 39                                   | 48    | h/     |      |
| 369 Other non-metallic mineral products   |      | 240                      | 302  | 369  | h/     | 6100    | 6700                | 7700   | h/      |      | 94    | 293                                  | 401   | h/     |      |
| 371 Iron and steel                        |      | 40                       | 87   | 85   | 164i/  | 3500    | 2700                | 3000   | 5900i/  |      | 75    | 135                                  | 188   | 290i/  |      |
| 372 Non-ferrous metals                    |      | 63                       | 47   | 57   | i/     | 1600    | 1800                | 1900   | i/      |      | 20    | 69                                   | 84    | i/     |      |
| 381 Fabricated metal products             |      | 1217                     | 1422 | 1632 | 3264   | 40800   | 38500               | 42500  | 43600   |      | 680   | 1688                                 | 2108  | 2273   |      |
| 382 Non-electrical machinery              |      | 254                      | 372  | 338  | 613    | 10400   | 9600                | 9000   | 9300    |      | 179   | 412                                  | 439   | 519    |      |
| 383 Electrical machinery                  |      | 455                      | 554  | 597  | 1038   | 47100   | 43800               | 44600  | 46400   |      | 1034  | 2767                                 | 3367  | 3869   |      |
| 384 Transport equipment                   |      | 93                       | 192  | 216  | 315    | 20700   | 18100               | 18500  | 18600   |      | 569   | 1219                                 | 1622  | 1819   |      |
| 385 Professional and scientific equipment |      | 83                       | 58   | 90   | 719j/  | 4100    | 3000                | 3800   | 9600j/  |      | 84    | 169                                  | 218   | 448j/  |      |
| 390 Other manufacturing industries        |      | 174                      | 262  | 283  | j/     | 4300    | 4800                | 5100   | j/      |      | 46    | 142                                  | 160   | j/     |      |
| 3 Total manufacturing                     |      | 6750                     | 8685 | 9413 | 17868  | 292400  | 292100              | 306200 | 319100  |      | 4611  | 12346                                | 14877 | 16566  |      |

a/ Twelve months beginning 1 April of the year indicated  
 c/ 323 includes 324  
 e/ 351 includes 353 and 354  
 g/ 355 includes 356  
 i/ 371 includes 372

b/ 311/2 includes 313 and 314  
 d/ 331 includes 332  
 f/ 361 includes 362, 363 and 364  
 h/ 361 includes 362 and 369  
 j/ 385 includes 390

Israel

| ISIC Industry                             | Note | Output in producers' prices |        |        |         | Note  | Value added in producers' prices |        |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-----------------------------|--------|--------|---------|-------|----------------------------------|--------|------|------|--------------------------------|------|--|------|
|   |      | (million SHEKALIM)          |        |        |         |       | (million SHEKALIM)               |        |      |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985a/                      | 1990   | 1991   | 1992    |       | 1985a/                           | 1990   | 1991 | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       |      | 3584                        | 8532   | 9547   | 16589b/ | 882   | 2462                             | 2829   |      |      | 24.6                           | 49.6 |  |      |
| 313 Beverages                             |      | 198                         | 749    | 990    | b/      | 66    | 295                              | 383    |      |      | 33.7                           | 45.6 |  |      |
| 314 Tobacco                               |      | 79                          | 145    | 153    | b/      | 7     | 66                               | 63     |      |      | 8.9                            |      |  |      |
| 321 Textiles                              |      | 965                         | 2600   | 2977   | 3774    | 287   | 814                              | 982    |      |      | 29.7                           | 64.6 |  |      |
| 322 Wearing apparel, except footwear      |      | 724                         | 2038   | 2534   | 3874    | 270   | 861                              | 1066   |      |      | 37.3                           | 68.1 |  |      |
| 323 Leather and fur products              |      | 41                          | 107    | 131    | 782c/   | 18    | 38                               | 49     |      |      | 36.6                           | 63.3 |  |      |
| 324 Footwear, except rubber or plastic    |      | 112                         | 247    | 322    | c/      | 49    | 110                              | 137    |      |      | 43.8                           | 69.2 |  |      |
| 331 Wood products, except furniture       |      | 228                         | 610    | 799    | 2673d/  | 92    | 234                              | 323    |      |      | 40.4                           | 69.6 |  |      |
| 332 Furniture and fixtures, excl metal    |      | 239                         | 608    | 711    | d/      | 96    | 264                              | 306    |      |      | 39.7                           | 63.2 |  |      |
| 341 Paper and products                    |      | 549                         | 1391   | 1567   | 2137    | 159   | 486                              | 552    |      |      | 29.0                           | 64.8 |  |      |
| 342 Printing and publishing               |      | 535                         | 1849   | 2134   | 3606    | 268   | 947                              | 1147   |      |      | 60.1                           | 67.8 |  |      |
| 351 Industrial chemicals                  |      | 1741e/                      | 4720e/ | 5443e/ | 10289f/ | 623e/ | 1467e/                           | 1618e/ |      |      | 35.8                           | 35.0 |  |      |
| 352 Other chemicals                       |      | 625                         | 1744   | 2024   | f/      | 284   | 847                              | 969    |      |      | 46.4                           | 61.1 |  |      |
| 353 Petroleum refineries                  |      | e/                          | e/     | e/     | f/      | e/    | e/                               | e/     |      |      |                                |      |  |      |
| 354 Misc petroleum and coal products      |      | e/                          | e/     | e/     | f/      | e/    | e/                               | e/     |      |      |                                |      |  |      |
| 355 Rubber products                       |      | 198                         | 340    | 415    | 4595g/  | 76    | 153                              | 196    |      |      | 38.4                           | 71.1 |  |      |
| 356 Plastic products                      |      | 718                         | 2171   | 2749   | g/      | 342   | 943                              | 1246   |      |      | 47.6                           | 31.6 |  |      |
| 361 Pottery, china, earthenware           |      | 52                          | 106    | 169    | 4320h/  | 29    | 60                               | 107    |      |      | 66.8                           | 69.0 |  |      |
| 362 Glass and products                    |      | 54                          | 158    | 213    | h/      | 27    | 76                               | 90     |      |      | 60.0                           | 70.4 |  |      |
| 369 Other non-metallic mineral products   |      | 483                         | 1616   | 2600   | h/      | 169   | 617                              | 941    |      |      | 36.0                           | 66.6 |  |      |
| 371 Iron and steel                        |      | 386                         | 851    | 1376   | 2122i/  | 139   | 228                              | 341    |      |      | 36.0                           | 64.0 |  |      |
| 372 Non-ferrous metals                    |      | 98                          | 351    | 394    | i/      | 43    | 122                              | 139    |      |      | 43.9                           | 46.6 |  |      |
| 381 Fabricated metal products             |      | 2330                        | 5065   | 6266   | 8608    | 1140  | 2476                             | 2936   |      |      | 48.9                           | 69.6 |  |      |
| 382 Non-electrical machinery              |      | 506                         | 1348   | 1457   | 2319    | 264   | 662                              | 637    |      |      | 62.2                           | 67.8 |  |      |
| 383 Electrical machinery                  |      | 3068                        | 8096   | 10368  | 13797   | 1668  | 4436                             | 5591   |      |      | 64.4                           | 62.0 |  |      |
| 384 Transport equipment                   |      | 1144                        | 2828   | 3478   | 4938    | 616   | 1496                             | 1877   |      |      | 63.8                           | 92.6 |  |      |
| 386 Professional and scientific equipment |      | 306                         | 506    | 687    | 2328j/  | 162   | 263                              | 366    |      |      | 49.8                           | 65.3 |  |      |
| 390 Other manufacturing industries        |      | 315                         | 781    | 869    | j/      | 79    | 241                              | 270    |      |      | 26.1                           | 67.0 |  |      |
| 3 Total manufacturing                     |      | 19275                       | 49544  | 60262  | 86630   | 7840  | 20662                            | 26148  |      |      | 40.7                           | 68.8 |  |      |

a/ Twelve months beginning 1 April of the year indicated  
 c/ 323 includes 324  
 e/ 351 includes 353 and 354  
 g/ 355 includes 356  
 i/ 371 includes 372

b/ 311/2 includes 313 and 314  
 d/ 331 includes 332  
 f/ 361 includes 362, 363 and 364  
 h/ 361 includes 362 and 369  
 j/ 386 includes 390

Israel

| ISIC Industry                             | Note | Gross fixed capital formation |       |       |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|-------|-------|------|------|--|------|------|------|------|------|------|------|
|   |      | (million SHEKALIM)            |       |       |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985a/                        | 1990  | 1991  | 1992 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      | 188                           | 384   | 394   |      | b/   | 128                                    | 125  | 143  | 151  | 161  | 167  | 159  | 161  |
| 313 Beverages                             |      | 3                             | 53    | 69    |      | b/   |  |      |      |      |      |      |      |      |
| 314 Tobacco                               |      | 2                             | 2     | 34    |      | b/   |  |      |      |      |      |      |      |      |
| 321 Textiles                              |      | 75                            | 145   | 144   |      |      | 103                                    | 99   | 98   | 99   | 92   | 92   | 96   | 104  |
| 322 Wearing apparel, except footwear      |      | 31                            | 65    | 100   |      | c/   | 93                                     | 99   | 113  | 128  | 116  | 104  | 118  | 121  |
| 323 Leather and fur products              |      | 1                             | 7     | 3     |      |      | 101                                    | 123  | 148  | 154  | 152  | 136  | 139  | 163  |
| 324 Footwear, except rubber or plastic    |      | 6                             | 5     | 10    |      | c/   |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      | 6                             | 11    | 39    |      | d/   | 108                                    | 113  | 122  | 131  | 129  | 125  | 135  | 150  |
| 332 Furniture and fixtures, excl metal    |      | 7                             | 16    | 29    |      | d/   |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      | 26                            | 71    | 93    |      |      | 110                                    | 118  | 137  | 146  | 143  | 143  | 150  | 152  |
| 342 Printing and publishing               |      | 24                            | 133   | 179   |      |      | 109                                    | 117  | 133  | 151  | 150  | 147  | 153  | 150  |
| 351 Industrial chemicals                  |      | 125e/                         | 319e/ | 383e/ |      | f/   | 128                                    | 128  | 131  | 146  | 148  | 156  | 163  | 170  |
| 352 Other chemicals                       |      | 41                            | 63    | 142   |      | f/   |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      | e/                            | e/    | e/    |      | f/   |  |      |      |      |      |      |      |      |
| 354 Misc petroleum and coal products      |      | e/                            | e/    | e/    |      | f/   |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      | 7                             | 17    | 17    |      | g/   | 129                                    | 136  | 143  | 158  | 143  | 147  | 156  | 182  |
| 356 Plastic products                      |      | 78                            | 121   | 261   |      | g/   |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      | 6                             | 11    | 4     |      | h/   | 93                                     | 87   | 89   | 99   | 97   | 94   | 113  | 147  |
| 362 Glass and products                    |      | 5                             | 17    | 18    |      | h/   |  |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      | 40                            | 102   | 293   |      | h/   |  |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      | 14                            | 10    | 21    |      | i/   | 99                                     | 85   | 83   | 86   | 90   | 85   | 107  | 118  |
| 372 Non-ferrous metals                    |      | 3                             | 16    | 29    |      | i/   |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      | 166                           | 207   | 418   |      |      | 118                                    | 118  | 119  | 123  | 122  | 117  | 124  | 137  |
| 382 Non-electrical machinery              |      | 27                            | 31    | 48    |      |      | 127                                    | 129  | 146  | 160  | 159  | 147  | 147  | 147  |
| 383 Electrical machinery                  |      | 295                           | 417   | 713   |      |      | 128                                    | 141  | 137  | 132  | 133  | 127  | 136  | 144  |
| 384 Transport equipment                   |      | 61                            | 96    | 155   |      |      | 98                                     | 103  | 99   | 90   | 77   | 76   | 80   | 84   |
| 385 Professional and scientific equipment |      | 22                            | 24    | 47    |      |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      | 9                             | 21    | 45    |      |      | 139                                    | 161  | 167  | 160  | 153  | 165  | 166  | 175  |
| 3 Total manufacturing                     |      | 1268                          | 2364  | 3688  |      |      | 116                                    | 119  | 124  | 130  | 127  | 125  | 132  | 141  |

a/ Twelve months beginning 1 April of the year indicated  
 c/ 322 includes 324  
 e/ 351 includes 353 and 354  
 g/ 355 includes 356  
 i/ 371 includes 372

b/ 311/2 includes 313 and 314  
 d/ 331 includes 332  
 f/ 351 includes 352, 353 and 354  
 h/ 361 includes 362 and 369



## ITALY

**Supplier of information:**

Istituto Nazionale di Statistica (National Institute of Statistics), Rome.  
Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

**Basic source of data:**

Annual surveys of gross output and capital investments of the industrial sector.

**Major deviations from current version of ISIC:**

The national classification system is not fully convertible to the current version of the ISIC. The following differences should be noted: manufacture of olive oil, margarine, etc. (part of ISIC 311/2) is included in ISIC 351-352 combined; asbestos spinning and weaving (part of ISIC 369) in ISIC 321; made-up textile goods, except wearing apparel (part of ISIC 321) in ISIC 322; repair of footwear in ISIC 324; industrial furnaces and ovens, cooking ranges and ovens, tanks, small arms, ordnance and artillery (part of ISIC 382), invalid and baby carriages (part of ISIC 384), and laboratory equipment (part of ISIC 385) in ISIC 381; aircraft engines (part of ISIC 384) in ISIC 382; typewriters, calculators, cash registers and scales (part of ISIC 382) and jewellery and related articles (part of ISIC 390) in ISIC 385; electric lamps and tubes (part of ISIC 383) in ISIC 390.

**Reference period (if not calendar year):****Scope:**

All enterprises with 20 or more persons engaged. The enterprise, classified by kind of activity, is the basic reference unit. Multi-unit enterprises with more than 250 persons engaged are required to furnish data separately for each unit.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of employees refers to the average number over the year.

Wages and salaries relates to gross earnings of employees and includes basic wages and salaries, cost-of-living allowances, overtime and vacation pay, bonuses and payments in kind. Output, net of indirect taxes and subsidies and calculated on a shipment basis, relates to gross output. It covers the values of goods produced, receipts for work done for others, fixed assets produced for own use, sales of goods purchased and resold without further processing, and receipts for non-industrial services rendered.

Value added is the value of gross output less the cost of the following inputs: materials and supplies purchased (adjusted for the net change in the value of their stocks), products bought and shipped without further processing, and industrial work done by others.

Gross fixed capital formation represents the value of the acquisition of new and used fixed assets with an expected productive life of one year or more, including own-account construction. Also included are investments of a social nature and costs of major repairs and other expenditures on fixed assets. Sales of fixed assets are not deducted.

**Related national publications:**

Fatturato, prodotto lordo e investimenti delle imprese industriali: supplements to Bollettino Mensile di Statistica, published by the Central Institute of Statistics, Rome.

## Italy

| ISIC Industry                                    | Note | Number of enterprises |      |      |      | Note | Number of employees |      |      |      | Note | Wages and salaries paid to employees |      |      |      |
|--|------|-----------------------|------|------|------|------|---------------------|------|------|------|------|--------------------------------------|------|------|------|
|  |      | (numbers)             |      |      |      |      | (thousands)         |      |      |      |      | (billion LIRE)                       |      |      |      |
|  |      | 1985                  | 1989 | 1990 | 1991 |      | 1985                | 1989 | 1990 | 1991 |      | 1985                                 | 1989 | 1990 | 1991 |
| 311/2 Food Products                              |      | 1670                  | 1762 | 1707 | 1727 |      | 155                 | 158  | 163  | 164  |      | 3033                                 | 6427 | 7072 | 8139 |
| 3111 Slaughtering, preparing & preserving meat   |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3112 Dairy products                              |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3113 Canning, preserving of fruits & vegetables  |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3114 Canning, preserving and processing of fish  |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3115 Vegetable and animal oils and fats          |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3116 Grain mill products                         |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3117 Bakery products                             |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3118 Sugar factories and refineries              |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3119 Cocoa, chocolate and sugar confectionery    |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3121 Other food products                         |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3122 Prepared animal feeds                       |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 313 Beverages                                    |      | 477                   | 296  | 279  | 271  |      | 43                  | 26   | 25   | 24   |      | 939                                  | 1195 | 1302 | 1366 |
| 3131 Distilling, rectifying and blending spirits |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3132 Wine industries                             |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3133 Malt liquors and malt                       |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3134 Soft drinks and carbonated waters           |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 314 Tobacco                                      |      | 35                    | 21   | 22   | 18   |      | 20                  | 16   | 16   | 15   |      | 349                                  | 458  | 542  | 621  |
| 321 Textiles                                     |      | 3290                  | 3410 | 3182 | 3137 |      | 223                 | 234  | 224  | 232  |      | 3881                                 | 7460 | 7773 | 8361 |
| 3211 Spinning, weaving and finishing textiles    |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3212 Made-up textile goods excl. wearing apparel |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3213 Knitting mills                              |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3214 Carpets and rugs                            |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3215 Cordage, rope and twine                     |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3219 Other textiles                              |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 322 Wearing apparel, except footwear             |      | 2419                  | 2921 | 2739 | 2842 |      | 158                 | 169  | 153  | 164  |      | 2135                                 | 4032 | 4572 | 4591 |
| 323 Leather and fur products                     |      | 543                   | 612  | 568  | 551  |      | 27                  | 29   | 27   | 27   |      | 421                                  | 881  | 901  | 984  |
| 3231 Tanneries and leather finishing             |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3232 Fur dressing and dyeing industries          |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3233 Leather prods. excl. wearing apparel        |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 324 Footwear, except rubber or plastic           |      | 1599                  | 1618 | 1519 | 1544 |      | 85                  | 78   | 74   | 74   |      | 1135                                 | 1858 | 1947 | 2079 |
| 331 Wood products, except furniture              |      | 1016                  | 879  | 846  | 847  |      | 42                  | 37   | 37   | 37   |      | 637                                  | 1149 | 1221 | 1362 |
| 3311 Sawmills, planing and other wood mills      |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3312 Wooden and cane containers                  |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3319 Other wood and cork products                |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 332 Furniture and fixtures, excl. metal          |      | 1466                  | 1476 | 1417 | 1404 |      | 72                  | 68   | 69   | 69   |      | 1128                                 | 2146 | 2321 | 2589 |
| 341 Paper and products                           |      | 669                   | 719  | 686  | 701  |      | 63                  | 62   | 62   | 62   |      | 1232                                 | 2498 | 2726 | 2964 |
| 3411 Pulp, paper and paperboard articles         |      | ..                    | ..   | ..   | 142  |      | ..                  | ..   | ..   | 23   |      | ..                                   | ..   | ..   | 1263 |
| 3412 Containers of paper and paperboard          |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3419 Other pulp, paper and paperboard articles   |      | ..                    | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 342 Printing and publishing                      |      | 912                   | 1062 | 1028 | 1048 |      | 83                  | 85   | 83   | 84   |      | 2014                                 | 4437 | 4717 | 5198 |
| 351 Industrial chemicals                         |      | 1096a/                | 348  | 338  | 325  |      | 214b/               | 93   | 88   | 85   |      | 5096b/                               | 4616 | 4463 | 4731 |
| 3511 Basic chemicals excl. fertilizers           |      | ..                    | ..   | ..   | 118  |      | ..                  | ..   | ..   | 38   |      | ..                                   | ..   | ..   | 2181 |
| 3512 Fertilizers and pesticides                  |      | ..                    | ..   | ..   | 46   |      | ..                  | ..   | ..   | 10   |      | ..                                   | ..   | ..   | 638  |
| 3513 Synthetic resins and plastic materials      |      | ..                    | ..   | ..   | 161  |      | ..                  | ..   | ..   | 37   |      | ..                                   | ..   | ..   | 2012 |
| 352 Other chemicals                              |      | a/                    | 500  | 479  | 472  |      | b/                  | 51   | 49   | 51   |      | b/                                   | 2339 | 2610 | 2926 |
| 3521 Paints, varnishes and lacquers              |      | ..                    | ..   | ..   | 150  |      | ..                  | ..   | ..   | 17   |      | ..                                   | ..   | ..   | 677  |
| 3522 Drugs and medicines                         |      | ..                    | ..   | ..   | -    |      | ..                  | ..   | ..   | -    |      | ..                                   | ..   | ..   | -    |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | ..                    | ..   | ..   | 118  |      | ..                  | ..   | ..   | 19   |      | ..                                   | ..   | ..   | 1091 |
| 3529 Other chemical products                     |      | ..                    | ..   | ..   | 204  |      | ..                  | ..   | ..   | 20   |      | ..                                   | ..   | ..   | 1156 |
| 353 Petroleum refineries                         |      | 57                    | 29   | 27   | 25   |      | 21c/                | 11   | 13   | 15   |      | 641c/                                | 612  | 844  | 1034 |

|   |       |       |       |       |       |      |      |      |        |        |        |        |
|---|-------|-------|-------|-------|-------|------|------|------|--------|--------|--------|--------|
| 354 Misc petroleum and coal products            | a/    | 73    | 69    | 77    | c/    | 6    | 6    | 6    | c/     | 279    | 264    | 318    |
| 355 Rubber products                             | 364   | 336   | 335   | 342   | 55    | 46   | 47   | 45   | 1005   | 1857   | 1998   | 2057   |
| 3551 Tyres and tubes                            | ..    | ..    | ..    | ..    | ..    | ..   | ..   | ..   | ..     | ..     | ..     | ..     |
| 3559 Other rubber products                      | ..    | ..    | ..    | ..    | ..    | ..   | ..   | ..   | ..     | ..     | ..     | ..     |
| 356 Plastic products                            | 1153  | 1474  | 1429  | 1411  | 74    | 91   | 92   | 91   | 1361   | 3299   | 3596   | 3841   |
| 361 Pottery, china, earthenware                 | 232d/ | 540   | 510   | 506   | 176d/ | 54   | 52   | 51   | 3156d/ | 2100   | 2221   | 2413   |
| 362 Glass and products                          | d/    | 285   | 276   | 276   | d/    | 31   | 30   | 31   | d/     | 1246   | 1308   | 1448   |
| 369 Other non-metallic mineral products         | d/    | 1032  | 992   | 970   | d/    | 65   | 64   | 65   | d/     | 2472   | 2653   | 2979   |
| 3691 Structural clay products                   | ..    | ..    | ..    | ..    | ..    | ..   | ..   | ..   | ..     | ..     | ..     | ..     |
| 3692 Cement, lime and plaster                   | ..    | ..    | ..    | ..    | ..    | ..   | ..   | ..   | ..     | ..     | ..     | ..     |
| 3699 Other non-metallic mineral products        | ..    | ..    | ..    | ..    | ..    | ..   | ..   | ..   | ..     | ..     | ..     | ..     |
| 371 Iron and steel                              | 1018  | 1027  | 1005  | 1003  | 179   | 150  | 142  | 136  | 3697   | 6421   | 6420   | 6663   |
| 372 Non-ferrous metals                          | 297   | 318   | 304   | 301   | 38    | 36   | 35   | 36   | 767    | 1692   | 1620   | 1831   |
| 381 Fabricated metal products                   | 2611  | 2945  | 2876  | 2930  | 165   | 169  | 169  | 172  | 3096   | 6026   | 6577   | 7366   |
| 3811 Cutlery, hand tools and general hardware   | ..    | ..    | ..    | ..    | ..    | ..   | ..   | ..   | ..     | ..     | ..     | ..     |
| 3812 Furniture and fixtures primarily of metal  | ..    | ..    | ..    | ..    | ..    | ..   | ..   | ..   | ..     | ..     | ..     | ..     |
| 3813 Structural metal products                  | ..    | ..    | ..    | ..    | ..    | ..   | ..   | ..   | ..     | ..     | ..     | ..     |
| 3819 Other fabricated metal products            | ..    | ..    | ..    | ..    | ..    | ..   | ..   | ..   | ..     | ..     | ..     | ..     |
| 382 Non-electrical machinery                    | 3873  | 4652  | 4517  | 4607  | 372   | 385  | 380  | 376  | 5302   | 16251  | 17183  | 18623  |
| 3821 Engines and turbines                       | ..    | ..    | ..    | 56    | ..    | ..   | ..   | 15   | ..     | ..     | ..     | 744    |
| 3822 Agricultural machinery and equipment       | ..    | ..    | ..    | 278   | ..    | ..   | ..   | 25   | ..     | ..     | ..     | 1096   |
| 3823 Metal and wood working machinery           | ..    | ..    | ..    | 1182  | ..    | ..   | ..   | 74   | ..     | ..     | ..     | 3687   |
| 3824 Other special industrial machinery         | ..    | ..    | ..    | 1466  | ..    | ..   | ..   | 117  | ..     | ..     | ..     | 6966   |
| 3825 Office, computing and accounting machinery | ..    | ..    | ..    | 111   | ..    | ..   | ..   | 23   | ..     | ..     | ..     | 1411   |
| 3829 Other non-electrical machinery & equipment | ..    | ..    | ..    | 1514  | ..    | ..   | ..   | 120  | ..     | ..     | ..     | 6730   |
| 383 Electrical machinery                        | 1439  | 1742  | 1734  | 1772  | 270   | 264  | 266  | 263  | 5373   | 10861  | 11871  | 12715  |
| 3831 Electrical industrial machinery            | ..    | ..    | ..    | 827   | ..    | ..   | ..   | 98   | ..     | ..     | ..     | 4651   |
| 3832 Radio, television and communication equipm | ..    | ..    | ..    | 277   | ..    | ..   | ..   | 64   | ..     | ..     | ..     | 3376   |
| 3833 Electrical appliances and housewares       | ..    | ..    | ..    | 179   | ..    | ..   | ..   | 44   | ..     | ..     | ..     | 1936   |
| 3839 Other electrical apparatus and supplies    | ..    | ..    | ..    | 489   | ..    | ..   | ..   | 66   | ..     | ..     | ..     | 2762   |
| 384 Transport equipment                         | 721   | 899   | 913   | 932   | 300   | 318  | 320  | 315  | 6461   | 13161  | 14117  | 14667  |
| 3841 Shipbuilding and repairing                 | ..    | ..    | ..    | 147   | ..    | ..   | ..   | 25   | ..     | ..     | ..     | 1132   |
| 3842 Railroad equipment                         | ..    | ..    | ..    | 35    | ..    | ..   | ..   | 28   | ..     | ..     | ..     | 1416   |
| 3843 Motor vehicles                             | ..    | ..    | ..    | 582   | ..    | ..   | ..   | 201  | ..     | ..     | ..     | 9075   |
| 3844 Motorcycles and bicycles                   | ..    | ..    | ..    | 123   | ..    | ..   | ..   | 17   | ..     | ..     | ..     | 708    |
| 3845 Aircraft                                   | ..    | ..    | ..    | 33    | ..    | ..   | ..   | 43   | ..     | ..     | ..     | 2291   |
| 3849 Other transport equipment                  | ..    | ..    | ..    | 12    | ..    | ..   | ..   | 2    | ..     | ..     | ..     | 68     |
| 385 Professional and scientific equipment       | 294   | 430   | 411   | 417   | 25    | 34   | 34   | 34   | 461    | 1323   | 1429   | 1653   |
| 3851 Prof and scientific equipment n e c        | ..    | ..    | ..    | 255   | ..    | ..   | ..   | 20   | ..     | ..     | ..     | 952    |
| 3852 Photographic and optical goods             | ..    | ..    | ..    | 146   | ..    | ..   | ..   | 13   | ..     | ..     | ..     | 556    |
| 3853 Watches and clocks                         | ..    | ..    | ..    | 16    | ..    | ..   | ..   | 1    | ..     | ..     | ..     | 46     |
| 390 Other manufacturing industries              | 311   | 780   | 758   | 795   | 16    | 36   | 36   | 37   | 240    | 1017   | 1667   | 1268   |
| 3901 Jewellery and related articles             | ..    | ..    | ..    | ..    | ..    | ..   | ..   | ..   | ..     | ..     | ..     | ..     |
| 3902 Musical instruments                        | ..    | ..    | ..    | ..    | ..    | ..   | ..   | ..   | ..     | ..     | ..     | ..     |
| 3903 Sporting and athletic goods                | ..    | ..    | ..    | ..    | ..    | ..   | ..   | ..   | ..     | ..     | ..     | ..     |
| 3909 Manufacturing industries, n e c            | ..    | ..    | ..    | ..    | ..    | ..   | ..   | ..   | ..     | ..     | ..     | ..     |
| J Total manufacturing                           | 29651 | 32186 | 30966 | 31251 | 2875  | 2794 | 2757 | 2751 | 52467  | 107916 | 116936 | 124694 |

a/ 351 includes 352 and 354  
c/ 353 includes 354

b/ 361 includes 362.  
d/ 361 includes 362 and 369

## Italy

| ISIC Industry                                    | Note | Output<br>(billion LIRE) |       |       |       | Note | Value added<br>(billion LIRE) |       |       |       | Share of<br>value added<br>in output<br>(percentage) |      | Share of<br>wages and<br>salaries in<br>value added<br>(percentage) |      |
|--|------|--------------------------|-------|-------|-------|------|-------------------------------|-------|-------|-------|--|------|---|------|
|  |      | 1985                     | 1989  | 1990  | 1991  |      | 1985                          | 1989  | 1990  | 1991  | 1985   | 1991 | 1985  | 1991 |
| 311/2 Food Products                              |      | 42687                    | 55000 | 59617 | 65659 |      | 6909                          | 10062 | 11500 | 13485 | 16.2   | 20.6 | 43.9  | 60.4 |
| 3111 Slaughtering, preparing & preserving meat   |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3112 Dairy products                              |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3113 Canning, preserving of fruits & vegetables  |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3114 Canning, preserving and processing of fish  |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3115 Vegetable and animal oils and fats          |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3116 Grain mill products                         |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3117 Bakery products                             |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3118 Sugar factories and refineries              |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3121 Other food products                         |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3122 Prepared animal feeds                       |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 313 Beverages                                    |      | 6153                     | 7782  | 9371  | 9486  |      | 2585                          | 2170  | 2414  | 2397  | 42.0   | 26.3 | 36.3  | 66.9 |
| 3131 Distilling, rectifying and blending spirits |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3132 Wine industries                             |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3133 Malt liquors and malt                       |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3134 Soft drinks and carbonated waters           |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 314 Tobacco                                      |      | 2369                     | 5244  | 5036  | 5293  |      | 428                           | 925   | 666   | 737   | 18.1   | 13.9 | 81.6  | 84.3 |
| 321 Textiles                                     |      | 29489                    | 37670 | 39250 | 39471 |      | 9666                          | 11929 | 12373 | 13016 | 32.8   | 33.0 | 40.2  | 54.2 |
| 3211 Spinning, weaving and finishing textiles    |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3212 Made-up textile goods excl wearing apparel  |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3213 Knitting mills                              |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3214 Carpets and rugs                            |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3215 Cordage, rope and twine                     |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3219 Other textiles                              |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 322 Wearing apparel, except footwear             |      | 13006                    | 19003 | 20529 | 21734 |      | 4434                          | 5983  | 5842  | 6937  | 34.1   | 31.9 | 48.2  | 66.2 |
| 323 Leather and fur products                     |      | 4714                     | 6883  | 6305  | 6403  |      | 1070                          | 1466  | 1479  | 1643  | 22.7   | 26.7 | 39.3  | 69.9 |
| 3231 Tanneries and leather finishing             |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3232 Fur dressing and dyeing industries          |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3233 Leather prods excl wearing apparel          |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 324 Footwear, except rubber or plastic           |      | 7556                     | 9148  | 10090 | 10161 |      | 2406                          | 2611  | 2673  | 2911  | 31.8   | 28.6 | 47.2  | 71.4 |
| 331 Wood products, except furniture              |      | 4778                     | 5941  | 6332  | 6903  |      | 1500                          | 1835  | 1935  | 2060  | 31.4   | 29.8 | 42.5  | 66.1 |
| 3311 Sawmills, planing and other wood mills      |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3312 Wooden and cane containers                  |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3319 Other wood and cork products                |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 332 Furniture and fixtures, excl metal           |      | 7101                     | 10331 | 11584 | 12119 |      | 2400                          | 3188  | 3475  | 3738  | 33.8   | 30.8 | 47.0  | 69.3 |
| 341 Paper and products                           |      | 11233                    | 14928 | 15484 | 15284 |      | 3172                          | 4201  | 4646  | 4831  | 26.2   | 31.6 | 38.8  | 61.4 |
| 3411 Pulp, paper and paperboard articles         |      |                          |       |       | 5986  |      |                               |       |       | 2007  |  | 33.6 |   | 62.4 |
| 3412 Containers of paper and paperboard          |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3419 Other pulp, paper and paperboard articles   |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 342 Printing and publishing                      |      | 10648                    | 16427 | 16171 | 16698 |      | 4337                          | 7009  | 7394  | 8007  | 40.7   | 48.0 | 45.4  | 64.9 |
| 351 Industrial chemicals                         |      | 51605a/                  | 28997 | 26566 | 26393 |      | 12773a/                       | 8168  | 7212  | 6453  | 24.8   | 24.4 | 39.9  | 73.3 |
| 3511 Basic chemicals excl fertilizers            |      |                          |       |       | 12180 |      |                               |       |       | 3077  |  | 25.3 |   | 70.9 |
| 3512 Fertilizers and pesticides                  |      |                          |       |       | 2629  |      |                               |       |       | 629   |  | 23.9 |   | 85.6 |
| 3513 Synthetic resins and plastic materials      |      |                          |       |       | 11584 |      |                               |       |       | 2747  |  | 23.7 |   | 73.2 |
| 352 Other chemicals                              |      | a/                       | 13585 | 14881 | 16404 |      | a/                            | 4316  | 4626  | 5027  |  | 30.6 |   | 68.2 |
| 3521 Paints, varnishes and lacquers              |      |                          |       |       | 3307  |      |                               |       |       | 1098  |  | 33.2 |   | 61.7 |
| 3522 Drugs and medicines                         |      |                          |       |       |       |      |                               |       |       |       |  |      |   |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      |                          |       |       | 7576  |      |                               |       |       | 1956  |  | 26.8 |   | 66.8 |
| 3529 Other chemical products                     |      |                          |       |       | 5521  |      |                               |       |       | 1973  |  | 36.7 |   | 68.6 |
| 353 Petroleum refineries                         |      | 23530b/                  | 14392 | 22736 | 26535 |      | 2113b/                        | 1345  | 2068  | 2562  | 9.0  | 9.7  | 25.6  | 40.4 |

|   |         |        |        |        |        |        |        |        |      |      |      |      |
|---|---------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|
| 354 Misc petroleum and coal products            | b/      | 3788   | 1855   | 4960   | b/     | 699    | 487    | 614    | 12 4 | 51 8 |      |      |
| 355 Rubber products                             | 5863    | 6215   | 6999   | 6861   | 2113   | 2618   | 2701   | 2859   | 36 0 | 41 9 | 47 6 | 71 7 |
| 3551 Tyres and tubes                            |         |        |        |        |        |        |        |        |      |      |      |      |
| 3559 Other rubber products                      |         |        |        |        |        |        |        |        |      |      |      |      |
| 356 Plastic products                            | 10436   | 17220  | 17917  | 18601  | 3301   | 5299   | 5760   | 6100   | 31 6 | 32 8 | 41 2 | 63 0 |
| 361 Pottery, china, earthenware                 | 19503c/ | 7417   | 7604   | 7797   | 7348c/ | 3406   | 3426   | 3649   | 37 7 | 45 5 | 42 9 | 68 0 |
| 362 Glass and products                          | c/      | 4941   | 5116   | 5274   | c/     | 1991   | 2005   | 2124   | 40 3 |      |      | 68 2 |
| 363 Other non-metallic mineral products         | c/      | 11796  | 13099  | 14362  | c/     | 4630   | 5151   | 5638   | 39 3 |      |      | 57 8 |
| 3691 Structural clay products                   |         |        |        |        |        |        |        |        |      |      |      |      |
| 3692 Cement, lime and plaster                   |         |        |        |        |        |        |        |        |      |      |      |      |
| 3699 Other non-metallic mineral products        |         |        |        |        |        |        |        |        |      |      |      |      |
| 371 Iron and steel                              | 31276   | 40906  | 35270  | 33122  | 7343   | 10706  | 9725   | 8858   | 23 5 | 26 7 | 50 3 | 75 2 |
| 372 Non-ferrous metals                          | 7954    | 11784  | 9809   | 9377   | 1670   | 2614   | 2142   | 2103   | 21 0 | 22 4 | 45 3 | 87 1 |
| 381 Fabricated metal products                   | 16817   | 25567  | 26667  | 28691  | 6501   | 8989   | 9601   | 10737  | 38 7 | 37 4 | 47 6 | 68 6 |
| 3811 Cutlery, hand tools and general hardware   |         |        |        |        |        |        |        |        |      |      |      |      |
| 3812 Furniture and fixtures primarily of metal  |         |        |        |        |        |        |        |        |      |      |      |      |
| 3813 Structural metal products                  |         |        |        |        |        |        |        |        |      |      |      |      |
| 3819 Other fabricated metal products            |         |        |        |        |        |        |        |        |      |      |      |      |
| 382 Non-electrical machinery                    | 29481   | 68677  | 70844  | 70928  | 17020  | 24127  | 24357  | 25343  | 57 7 | 35 7 | 31 2 | 73 5 |
| 3821 Engines and turbines                       |         |        |        | 3029   |        |        |        | 958    |      | 31 6 |      | 77 7 |
| 3822 Agricultural machinery and equipment       |         |        |        | 4346   |        |        |        | 1325   |      | 30 5 |      | 82 7 |
| 3823 Metal and wood working machinery           |         |        |        | 12511  |        |        |        | 4865   |      | 38 9 |      | 75 8 |
| 3824 Other special industrial machinery         |         |        |        | 23142  |        |        |        | 8161   |      | 35 3 |      | 73 0 |
| 3825 Office, computing and accounting machinery |         |        |        | 7262   |        |        |        | 1810   |      | 24 9 |      | 78 0 |
| 3829 Other non-electrical machinery & equipment |         |        |        | 20639  |        |        |        | 8224   |      | 39 8 |      | 69 7 |
| 383 Electrical machinery                        | 27044   | 44001  | 47050  | 49128  | 11099  | 16422  | 17959  | 18774  | 41 0 | 38 2 | 48 4 | 67 7 |
| 3831 Electrical industrial machinery            |         |        |        | 15830  |        |        |        | 6513   |      | 41 1 |      | 71 4 |
| 3832 Radio, television and communication equipm |         |        |        | 12785  |        |        |        | 5214   |      | 40 8 |      | 64 7 |
| 3833 Electrical appliances and housewares       |         |        |        | 9365   |        |        |        | 2901   |      | 31 0 |      | 65 7 |
| 3839 Other electrical apparatus and supplies    |         |        |        | 11166  |        |        |        | 4146   |      | 37 1 |      | 66 4 |
| 384 Transport equipment                         | 34397   | 55578  | 54937  | 52968  | 11784  | 18090  | 17432  | 16745  | 34 3 | 31 6 | 46 3 | 87 7 |
| 3841 Shipbuilding and repairing                 |         |        |        | 3889   |        |        |        | 940    |      | 24 2 |      |      |
| 3842 Railroad equipment                         |         |        |        | 2705   |        |        |        | 1026   |      | 37 9 |      |      |
| 3843 Motor vehicles                             |         |        |        | 38027  |        |        |        | 11046  |      | 29 0 |      | 82 2 |
| 3844 Motorcycles and bicycles                   |         |        |        | 2842   |        |        |        | 975    |      | 34 3 |      | 72 6 |
| 3845 Aircraft                                   |         |        |        | 5208   |        |        |        | 2556   |      | 61 0 |      | 86 3 |
| 3849 Other transport equipment                  |         |        |        | 297    |        |        |        | 102    |      | 34 3 |      | 66 7 |
| 385 Professional and scientific equipment       | 5466    | 4337   | 4789   | 5150   | 1051   | 1921   | 2111   | 2259   | 19 2 | 43 0 | 45 8 | 68 7 |
| 3851 Prof and scientific equipment n e c        |         |        |        | 3016   |        |        |        | 1283   |      | 42 5 |      | 74 2 |
| 3852 Photographic and optical goods             |         |        |        | 1903   |        |        |        | 896    |      | 47 1 |      | 61 9 |
| 3853 Watches and clocks                         |         |        |        | 231    |        |        |        | 80     |      | 34 6 |      | 57 5 |
| 390 Other manufacturing industries              | 3430    | 6310   | 6822   | 7057   | 567    | 1603   | 2266   | 1835   | 16 5 | 26 0 | 42 3 | 68 6 |
| 3901 Jewellery and related articles             |         |        |        |        |        |        |        |        |      |      |      |      |
| 3902 Musical instruments                        |         |        |        |        |        |        |        |        |      |      |      |      |
| 3903 Sporting and athletic goods                |         |        |        |        |        |        |        |        |      |      |      |      |
| 3909 Manufacturing industries, n e c            |         |        |        |        |        |        |        |        |      |      |      |      |
| 3 Total manufacturing                           | 406536  | 553867 | 572733 | 592810 | 123588 | 168282 | 173405 | 181350 | 30 4 | 30 5 | 42 4 | 68 8 |

a/ 351 includes 352  
c/ 361 includes 362 and 369

b/ 353 includes 354

## Italy

## Gross fixed capital formation

(billion LIRE)

| ISIC Industry                             | Note | 1985   | 1989  | 1990  | 1991  |
|---|------|--------|-------|-------|-------|
| 311/2 Food Products                       |      | 1342   | 2155  | 2413  | 2459  |
| 313 Beverages                             |      | 527    | 470   | 482   | 536   |
| 314 Tobacco                               |      | 71     | 73    | 102   | 133   |
| 321 Textiles                              |      | 1240   | 2224  | 2875  | 2173  |
| 322 Wearing apparel, except footwear      |      | 284    | 415   | 530   | 469   |
| 323 Leather and fur products              |      | 130    | 137   | 138   | 133   |
| 324 Footwear, except rubber or plastic    |      | 127    | 205   | 216   | 231   |
| 331 Wood products, except furniture       |      | 187    | 351   | 439   | 471   |
| 332 Furniture and fixtures, excl metal    |      | 258    | 482   | 492   | 523   |
| 341 Paper and products                    |      | 553    | 961   | 1575  | 1284  |
| 342 Printing and publishing               |      | 497    | 822   | 700   | 676   |
| 351 Industrial chemicals                  |      | 1890a/ | 1936  | 2023  | 2061  |
| 352 Other chemicals                       |      | a/     | 711   | 699   | 763   |
| 353 Petroleum refineries                  |      | 622b/  | 815   | 853   | 1058  |
| 354 Misc petroleum and coal products      |      | b/     | 199   | 198   | 204   |
| 355 Rubber products                       |      | 256    | 449   | 464   | 411   |
| 356 Plastic products                      |      | 545    | 1140  | 1140  | 1253  |
| 361 Pottery, china, earthenware           |      | 1358c/ | 685   | 534   | 525   |
| 362 Glass and products                    |      | c/     | 515   | 484   | 534   |
| 369 Other non-metallic mineral products   |      | c/     | 1119  | 1226  | 1440  |
| 371 Iron and steel                        |      | 2035   | 1906  | 2785  | 3225  |
| 372 Non-ferrous metals                    |      | 202    | 627   | 716   | 703   |
| 381 Fabricated metal products             |      | 951    | 1313  | 1463  | 1512  |
| 382 Non-electrical machinery              |      | 1326   | 3151  | 3083  | 2923  |
| 383 Electrical machinery                  |      | 1273   | 2603  | 2867  | 2830  |
| 384 Transport equipment                   |      | 1693   | 3241  | 3750  | 4121  |
| 385 Professional and scientific equipment |      | 160    | 245   | 227   | 214   |
| 390 Other manufacturing industries        |      | 51     | 210   | 201   | 215   |
| 3 Total manufacturing                     |      | 17578  | 29160 | 32676 | 33078 |

a/ 351 includes 352  
c/ 361 includes 362 and 369

## Index numbers of industrial production

(1980=100)

| ISIC Industry                             | Note | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
|---|------|------|------|------|------|------|------|------|------|------|
| 311/2 Food Products                       |      | 100  | 103  | 105  | 109  | 114  | 115  | 116  | 117  | 120  |
| 313 Beverages                             |      | 108  | 125  | 140  | 142  | 155  | 163  | 162  | 161  | 158  |
| 314 Tobacco                               |      | 109  | 107  | 103  | 96   | 92   | 93   | 84   | 79   | 74   |
| 321 Textiles                              |      | 96   | 97   | 101  | 105  | 105  | 112  | 110  | 111  | 110  |
| 322 Wearing apparel, except footwear      |      | 99   | 96   | 98   | 92   | 93   | 93   | 93   | 92   | 96   |
| 323 Leather and fur products              |      | 112  | 110  | 110  | 107  | 107  | 103  | 104  | 100  | 94   |
| 324 Footwear, except rubber or plastic    |      | 90   | 86   | 84   | 77   | 74   | 72   | 74   | 88   | 70   |
| 331 Wood products, except furniture       |      | 95   | 81   | 79   | 85   | 94   | 94   | 90   | 90   | 99   |
| 332 Furniture and fixtures, excl metal    |      | 83   | 87   | 94   | 103  | 110  | 115  | 120  | 127  | 125  |
| 341 Paper and products                    |      | 104  | 100  | 103  | 109  | 114  | 117  | 119  | 116  | 119  |
| 342 Printing and publishing               |      | 101  | 73   | 80   | 83   | 93   | 95   | 93   | 90   | 84   |
| 351 Industrial chemicals                  |      | 94   | 95   | 96   | 101  | 105  | 104  | 102  | 96   | 96   |
| 352 Other chemicals                       |      |      |      |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  | b/   | 81   | 79   | 86   | 84   | 85   | 86   | 91   | 91   | 94   |
| 354 Misc petroleum and coal products      | b/   |      |      |      |      |      |      |      |      |      |
| 355 Rubber products                       |      | 90   | 97   | 101  | 103  | 125  | 126  | 119  | 112  | 106  |
| 356 Plastic products                      |      |      |      |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           | c/   | 90   | 87   | 87   | 89   | 96   | 101  | 105  | 104  | 101  |
| 362 Glass and products                    | c/   |      |      |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   | c/   |      |      |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      | 92   | 92   | 89   | 93   | 100  | 104  | 100  | 98   | 97   |
| 372 Non-ferrous metals                    |      | 92   | 98   | 107  | 110  | 123  | 127  | 122  | 131  | 132  |
| 381 Fabricated metal products             |      | 75   | 75   | 76   | 81   | 87   | 89   | 88   | 83   | 82   |
| 382 Non-electrical machinery              |      | 88   | 98   | 103  | 105  | 113  | 119  | 119  | 107  | 100  |
| 383 Electrical machinery                  |      | 108  | 109  | 113  | 122  | 124  | 130  | 130  | 129  | 123  |
| 384 Transport equipment                   |      | 102  | 100  | 122  | 120  | 137  | 140  | 141  | 135  | 128  |
| 385 Professional and scientific equipment |      | 78   | 91   | 94   | 99   | 112  | 116  | 92   | 78   | 81   |
| 390 Other manufacturing industries        |      |      |      |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      | 95   | 95   | 99   | 102  | 108  | 111  | 111  | 108  | 105  |

b/ 353 includes 354

## JAMAICA

**Supplier of information:**

Statistical Institute of Jamaica, Kingston.

**Basic source of data:**

Quarterly surveys carried out by the Factories Inspectorate, Ministry of Labour and Employment.

**Major deviations from current version of ISIC:**

Repair services for the general public (part of ISIC major division 9) are included in manufacturing according to the type of products.

**Reference period (if not calendar year):****Scope:**

The data cover establishments with 10 or more persons engaged.

**Method of enumeration:**

All establishments with 50 or more persons engaged are enumerated. A 20 per cent sampling was done for establishments with 10-49 persons engaged.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Wages and salaries relates to compensation of employees.

Output refers to gross output and is derived from national accounts estimates.

Value added is the contribution of each branch to gross domestic product.

**Related national publications:**

Statistical Abstract; Statistical Yearbook; National Income and Product; Employment, Earnings and Hours worked in Large Establishments, all published by the Statistical Institute of Jamaica, Kingston.

Jamaica

| ISIC Industry                             | Note | Number of establishments<br>(numbers) |       |       |      | Note | Number of employees<br>(numbers) |        |        |      | Note | Wages and salaries paid<br>to employees<br>(thousand DOLLARS) |         |         |         |
|---|------|---------------------------------------|-------|-------|------|------|----------------------------------|--------|--------|------|------|---|---------|---------|---------|
|   |      | 1985                                  | 1990  | 1991  | 1992 |      | 1985                             | 1990   | 1991   | 1992 |      | 1985  | 1990    | 1991    | 1992    |
| 311/2 Food Products                       |      |                                       | 190   | 190   |      |      | 25006                            | 24980  | 25204  |      |      | 254392  | 616998  | 961403  | 1757125 |
| 313 Beverages                             |      |                                       | 19    | 19    |      |      | 3295                             | 3460   | 3492   |      |      | 74046   | 183775  | 235944  | 412470  |
| 314 Tobacco                               |      |                                       | 6     | 6     |      |      | 799                              | 784    | 787    |      |      | 33611   | 69133   | 70011   | 89441   |
| 321 Textiles                              |      |                                       | 25    | 25    |      |      | 859                              | 931    | 931    | a/   |      | 53868   | 134020  | 215130  | 408736  |
| 322 Wearing apparel, except footwear      |      |                                       | 123   | 123   |      |      | 13136                            | 12648  | 13673  | a/   |      | 8603  | 10778   | 9136    | 18598   |
| 323 Leather and fur products              |      |                                       | 15b/  | 15b/  |      |      | 587b/                            | 536b/  | 553b/  |      |      | 11873   | 25163   | 32835   | 57898   |
| 324 Footwear, except rubber or plastic    |      |                                       | b/    | b/    |      |      | b/                               | b/     | b/     |      |      |   |         |         |         |
| 331 Wood products, except furniture       |      |                                       | 22    | 22    |      |      | 571                              | 633    | 692    |      |      | 8213  | 14223   | 20879   | 21619   |
| 332 Furniture and fixtures, excl metal    |      |                                       | 62    | 62    |      |      | 2111                             | 1994   | 2047   |      |      | 34590   | 65378   | 96654   | 146243  |
| 341 Paper and products                    |      |                                       | 25    | 25    |      |      | 1354                             | 1303   | 1214   | c/   |      | 55365   | 126804  | 169665  | 277911  |
| 342 Printing and publishing               |      |                                       | 48    | 48    |      |      | 2107                             | 2102   | 2072   | c/   |      |   |         |         |         |
| 351 Industrial chemicals                  |      |                                       | 14    | 14    |      |      | 816                              | 782    | 720    | d/   |      | 81070   | 180078  | 275546  | 513155  |
| 352 Other chemicals                       |      |                                       | 47    | 47    |      |      | 3036                             | 2980   | 2994   | d/   |      |   |         |         |         |
| 353 Petroleum refineries                  |      |                                       | 1     | 1     |      |      | 210e/                            | 219e/  | 230e/  |      |      | 4183  | 16827   | 25270   | 36127   |
| 354 Misc petroleum and coal products      |      |                                       | 1     | 1     |      |      | e/                               | e/     | e/     | d/   |      |   |         |         |         |
| 355 Rubber products                       |      |                                       | 11    | 11    |      |      | 745                              | 787    | 687    | d/   |      |   |         |         |         |
| 356 Plastic products                      |      |                                       | 17    | 17    |      |      | 1562                             | 1617   | 1689   | d/   |      |   |         |         |         |
| 361 Pottery, china, earthenware           |      |                                       | 47f/  | 47f/  |      |      | 692g/                            | 607g/  | 613g/  | f/   |      | 33972   | 88943   | 121225  | 225193  |
| 362 Glass and products                    |      |                                       | f/    | f/    |      |      | g/                               | g/     | g/     | f/   |      |   |         |         |         |
| 369 Other non-metallic mineral products   |      |                                       | f/    | f/    |      |      | 2173                             | 2145   | 2121   | f/   |      |   |         |         |         |
| 371 Iron and steel                        |      |                                       | 108h/ | 108h/ |      |      | 4114h/                           | 4284h/ | 4150h/ | h/   |      | 174290  | 361078  | 542493  | 981015  |
| 372 Non-ferrous metals                    |      |                                       | h/    | h/    |      |      | h/                               | h/     | h/     | h/   |      |   |         |         |         |
| 381 Fabricated metal products             |      |                                       | h/    | h/    |      |      | h/                               | h/     | h/     | h/   |      |   |         |         |         |
| 382 Non-electrical machinery              |      |                                       | h/    | h/    |      |      | h/                               | h/     | h/     | h/   |      |   |         |         |         |
| 383 Electrical machinery                  |      |                                       | h/    | h/    |      |      | h/                               | h/     | h/     | h/   |      |   |         |         |         |
| 384 Transport equipment                   |      |                                       | h/    | h/    |      |      | h/                               | h/     | h/     | h/   |      |   |         |         |         |
| 385 Professional and scientific equipment |      |                                       | h/    | h/    |      |      | h/                               | h/     | h/     | h/   |      |   |         |         |         |
| 390 Other manufacturing industries        |      |                                       | 24    | 24    |      |      | 823                              | 583    | 589    |      |      | 4789  | 14913   | 16395   | 21752   |
| 3 Total manufacturing                     |      |                                       | 805   | 805   |      |      | 63967                            | 63335  | 64458  |      |      | 832865  | 1898111 | 2792586 | 4967283 |

a/ 321 includes 322  
c/ 341 includes 342  
e/ 353 includes 354  
g/ 361 includes 362

b/ 323 includes 324  
d/ 351 includes 352, 354, 355 and 356  
f/ 361 includes 362 and 369  
h/ 371 includes 372, 381, 382, 383, 384 and 385



Jamaica

| ISIC Industry                             | Note | Output in producers' prices |          |          |          | Note | Value added in producers' prices |           |           |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-----------------------------|----------|----------|----------|------|----------------------------------|-----------|-----------|------|--------------------------------|------|--|------|
|   |      | (thousand DOLLARS)          |          |          |          |      | (thousand DOLLARS)               |           |           |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                        | 1990     | 1991     | 1992     |      | 1985                             | 1990      | 1991      | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       |      | 2362036                     | 5421685  | 8213364  | 14863870 |      | 1304107                          | 1984207   | 3727185   |      | 25.1                           |      | 47.1                                       |      |
| 313 Beverages                             |      | 681260                      | 1741345  | 2232034  | 3934085  |      | 738525                           | 960971    | 1700745   |      | 43.2                           |      | 24.3                                       |      |
| 314 Tobacco                               |      | 374105                      | 583455   | 811231   | 1180623  |      | 404778                           | 580144    | 867109    |      | 73.4                           |      | 10.3                                       |      |
| 321 Textiles                              | a/   | 259744                      | 775126   | 1263856  | 2389980  |      | 236018a/                         | 379694a/  | 708724a/  |      | 29.7                           |      | 57.7                                       |      |
| 322 Wearing apparel, except footwear      | a/   |                             |          |          |          |      | a/                               | a/        | a/        |      |                                |      |  |      |
| 323 Leather and fur products              |      | 36365                       | 43281    | 38164    | 76106    |      | 17464                            | 14719     | 29190     |      | 38.4                           |      | 63.7                                       |      |
| 324 Footwear, except rubber or plastic    |      | 83257                       | 176451   | 230250   | 406000   |      | 51524                            | 67234     | 118553    |      | 29.2                           |      | 48.8                                       |      |
| 331 Wood products, except furniture       |      | 36137                       | 57727    | 85018    | 87963    |      | 20077                            | 28969     | 30123     |      | 34.2                           |      | 71.8                                       |      |
| 332 Furniture and fixtures, excl. metal   |      | 214564                      | 402086   | 596553   | 902806   |      | 132954                           | 197454    | 218078    |      | 24.2                           |      | 67.1                                       |      |
| 341 Paper and products                    | b/   | 312675                      | 763885   | 1017801  | 1636955  |      | 293670b/                         | 387541b/  | 696963b/  |      | 42.5                           |      | 39.9                                       |      |
| 342 Printing and publishing               | b/   |                             |          |          |          |      | b/                               | b/        | b/        |      |                                |      |  |      |
| 351 Industrial chemicals                  | c/   | 788194                      | 1758239  | 2661826  | 4906311  |      | 624694c/                         | 974278c/  | 1661338c/ |      | 33.9                           |      | 30.9                                       |      |
| 352 Other chemicals                       | c/   |                             |          |          |          |      | c/                               | c/        | c/        |      |                                |      |  |      |
| 353 Petroleum refineries                  |      | 1659123                     | 3037029  | 4005509  | 6850827  |      | 1084136                          | 1347582   | 1657134   |      | 24.2                           |      | 2.2  |      |
| 354 Misc. petroleum and coal products     | c/   |                             |          |          |          |      | c/                               | c/        | c/        |      |                                |      |  |      |
| 355 Rubber products                       | c/   |                             |          |          |          |      | c/                               | c/        | c/        |      |                                |      |  |      |
| 356 Plastic products                      | c/   |                             |          |          |          |      | c/                               | c/        | c/        |      |                                |      |  |      |
| 361 Pottery, china, earthenware           | d/   | 266293                      | 683799   | 924992   | 1916876  |      | 300809d/                         | 398944d/  | 1011951d/ |      | 62.8                           |      | 22.3                                       |      |
| 362 Glass and products                    | d/   |                             |          |          |          |      | d/                               | d/        | d/        |      |                                |      |  |      |
| 369 Other non-metallic mineral products   | d/   |                             |          |          |          |      | d/                               | d/        | d/        |      |                                |      |  |      |
| 371 Iron and steel                        | e/   | 1226923                     | 2799040  | 4428374  | 7944129  |      | 696029e/                         | 1085488e/ | 1934195e/ |      | 24.3                           |      | 50.7                                       |      |
| 372 Non-ferrous metals                    | e/   |                             |          |          |          |      | e/                               | e/        | e/        |      |                                |      |  |      |
| 381 Fabricated metal products             | e/   |                             |          |          |          |      | e/                               | e/        | e/        |      |                                |      |  |      |
| 382 Non-electrical machinery              | e/   |                             |          |          |          |      | e/                               | e/        | e/        |      |                                |      |  |      |
| 383 Electrical machinery                  | e/   |                             |          |          |          |      | e/                               | e/        | e/        |      |                                |      |  |      |
| 384 Transport equipment                   | e/   |                             |          |          |          |      | e/                               | e/        | e/        |      |                                |      |  |      |
| 385 Professional and scientific equipment | e/   |                             |          |          |          |      | e/                               | e/        | e/        |      |                                |      |  |      |
| 390 Other manufacturing industries        |      | 23978                       | 66829    | 80699    | 102767   |      | 24173                            | 28199     | 38562     |      | 37.5                           |      | 55.3                                       |      |
| J Total manufacturing                     |      | 8324654                     | 18311180 | 26579670 | 47199300 |      | 5928958                          | 8436423   | 14398950  |      | 30.5                           |      | 34.5                                       |      |

a/ 321 includes 322

c/ 351 includes 352, 354, 355 and 356

e/ 371 includes 372, 381, 382, 383, 384 and 385

b/ 341 includes 342

d/ 361 includes 362 and 369

Jamaica

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|------|------|--|------|------|------|------|------|------|------|
|   |      | (thousand DOLLARS)            |      |      |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990 | 1991 | 1992 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                               |      |      |      | 81   | 97                                     | 89   | 81   | 101  | 87   | 90   |      |      |
| 313 Beverages                             |      |                               |      |      |      | 79   | 80                                     | 87   | 95   | 109  | 113  |      |      |      |
| 314 Tobacco                               |      |                               |      |      |      | 97   | 98                                     | 86   | 95   | 97   | 103  |      |      |      |
| 321 Textiles                              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 322 wearing apparel, except footwear      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 323 Leather and fur products              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 332 Furniture and fixtures, excl metal    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 342 Printing and publishing               |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 352 Other chemicals                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 354 Misc petroleum and coal products      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 356 Plastic products                      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 362 Glass and products                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      |                               |      |      |      | 179  | 166                                    | 171  | 181  | 235  | 249  | 290  |      |      |
| 371 Iron and steel                        |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 382 Non-electrical machinery              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 384 Transport equipment                   |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 385 Professional and scientific equipment |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| J Total manufacturing                     |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |

## JAPAN

**Supplier of information:**

Ministry of International Trade and Industry (MITI), Tokyo.  
Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

**Basic source of data:**

Annual census of manufactures.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

All establishments classified under manufacturing except those belonging to the government and public service corporations. Since 1981 surveys cover all such establishments only in years where the last digit is 0, 3, 5 or 8. In all other years, the survey is limited to those establishments with four or more employees. Investment figures cover establishments with 30 or more persons engaged.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Persons engaged refers to the number at the end of the year, full- or part-time. Persons engaged comprises employees (including apprentices and temporary workers, meeting minimum time requirements) and working proprietors. Unpaid family workers, temporary and daily workers are excluded, though their remuneration is included in wages and salaries.

Wages and salaries paid to employees relates to total cash payments, including basic wages, bonuses and other premiums, allowances and employees' retirement and termination allowances. Output represents the value of shipments of finished goods, adjusted for changes in stocks of finished goods and work in progress. Receipts for contract and repair and maintenance work are included. The value of goods shipped in the same condition as received is excluded.

Value added is output less the cost of materials and fuels consumed, electricity purchases, contract work and indirect taxes, depreciation, and purchases of non-industrial services. Receipts for non-industrial services performed for others are excluded. Input estimates are made on a received basis, not allowing for changes in stock levels.

Gross fixed capital formation is defined as the value of purchases of fixed assets, including own account construction, less the value of sales. Fixed assets covered are those with a productive life of more than one year and include repairs to existing assets, new assets whether not yet in use, unused, or previously used abroad, and used assets. Valuation is at full cost incurred, including delivered price, cost of installation and fees and taxes. For own-produced assets, the cost of work put in progress covers labour costs, materials and supplies and includes an allocation for overheads. The amount realized is taken for sales of used assets.

**Related national publications:**

Census of Manufactures (annual), published by MITI, Tokyo.

## Japan

| ISIC Industry                                    | Note | Number of establishments |       |       |       | Note | Number of employees |        |        |        | Note | Wages and salaries paid to employees |      |      |      |
|--|------|--------------------------|-------|-------|-------|------|---------------------|--------|--------|--------|------|--------------------------------------|------|------|------|
|  |      | (numbers)                |       |       |       |      | (thousands)         |        |        |        |      | (billion YEN)                        |      |      |      |
|  |      | 1985                     | 1990  | 1991  | 1992  |      | 1985                | 1990a/ | 1991a/ | 1992a/ |      | 1985                                 | 1990 | 1991 | 1992 |
| 311/2 Food Products                              |      | 48226                    | 46994 | 45941 | 44947 | 1028 | 1138                | 1153   | 1164   |        | 2641 | 3096                                 | 3262 | 3418 |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 15809                    | 16072 | 15789 | 15511 | 347  | 419                 | 427    | 438    |        | 847  | 1116                                 | 1189 | 1260 |      |
| 3112 Dairy products                              |      | 924                      | 866   | 841   | 829   | 45   | 45                  | 45     | 45     |        | 161  | 176                                  | 182  | 188  |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 2596                     | 2671  | 2697  | 2642  | 58   | 63                  | 64     | 64     |        | 111  | 146                                  | 162  | 160  |      |
| 3114 Canning, preserving and processing of fish  |      | 10670                    | 10438 | 10366 | 10096 | 193  | 209                 | 212    | 212    |        | 374  | 460                                  | 484  | 506  |      |
| 3115 Vegetable and animal oils and fats          |      | 522                      | 545   | 542   | 549   | 13   | 12                  | 11     | 12     |        | 50   | 61                                   | 62   | 60   |      |
| 3116 Grain mill products                         |      | 1058                     | 1016  | 989   | 965   | 19   | 18                  | 18     | 18     |        | 73   | 77                                   | 78   | 82   |      |
| 3117 Bakery products                             |      | 13889                    | 12786 | 12187 | 11916 | 284  | 297                 | 299    | 301    |        | 690  | 800                                  | 842  | 874  |      |
| 3118 Sugar factories and refineries              |      | 151                      | 147   | 143   | 132   | 9    | 8                   | 8      | 8      |        | 40   | 40                                   | 40   | 40   |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 1500                     | 1379  | 1330  | 1300  | 41   | 47                  | 49     | 47     |        | 118  | 142                                  | 163  | 168  |      |
| 3121 Other food products                         |      | 509                      | 456   | 447   | 427   | 7    | 7                   | 7      | 7      |        | 24   | 30                                   | 29   | 30   |      |
| 3127 Prepared animal feeds                       |      | 598                      | 619   | 610   | 590   | 14   | 13                  | 13     | 13     |        | 54   | 68                                   | 61   | 61   |      |
| 313 Beverages                                    |      | 4079                     | 3746  | 3516  | 3422  | 74   | 74                  | 72     | 71     |        | 237  | 269                                  | 277  | 285  |      |
| 3131 Distilling, rectifying and blending spirits |      | 2559                     | 2329  | 2261  | 2214  | 62   | 60                  | 48     | 48     |        | 146  | 166                                  | 176  | 176  |      |
| 3132 Wine industries                             |      | 68                       | 90    | 85    | 85    | 1    | 2                   | 2      | 2      |        | 3    | 6                                    | 6    | 6    |      |
| 3133 Malt liquors and malt                       |      | 35                       | 35    | 36    | 36    | 11   | 11                  | 11     | 11     |        | 63   | 67                                   | 72   | 70   |      |
| 3134 Soft drinks and carbonated waters           |      | 1417                     | 1292  | 1134  | 1087  | 11   | 12                  | 11     | 11     |        | 26   | 30                                   | 30   | 31   |      |
| 314 Tobacco                                      |      | 47                       | 36    | 34    | 34    | 17   | 9                   | 9      | 9      |        | 63   | 79                                   | 68   | 60   |      |
| 321 Textiles                                     |      | 44419                    | 39885 | 38717 | 36807 | 667  | 634                 | 624    | 597    |        | 1691 | 1711                                 | 1763 | 1764 |      |
| 3211 Spinning, weaving and finishing textiles    |      | 23139                    | 18182 | 17300 | 16153 | 360  | 304                 | 293    | 273    |        | 947  | 924                                  | 936  | 914  |      |
| 3212 Made-up textile goods excl. wearing apparel |      | 6881                     | 7444  | 7289  | 7039  | 77   | 91                  | 94     | 91     |        | 162  | 216                                  | 237  | 239  |      |
| 3213 Knitting mills                              |      | 9456                     | 9701  | 9948  | 9619  | 169  | 176                 | 176    | 174    |        | 327  | 379                                  | 396  | 403  |      |
| 3214 Carpets and rugs                            |      | 2700                     | 2546  | 2268  | 2170  | 23   | 26                  | 23     | 22     |        | 50   | 64                                   | 62   | 61   |      |
| 3215 Cordage, rope and twine                     |      | 717                      | 650   | 606   | 560   | 13   | 11                  | 11     | 10     |        | 30   | 31                                   | 32   | 31   |      |
| 3219 Other textiles                              |      | 1527                     | 1362  | 1307  | 1266  | 26   | 28                  | 26     | 26     |        | 74   | 97                                   | 101  | 106  |      |
| 322 Wearing apparel, except footwear             |      | 23969                    | 24611 | 24427 | 23411 | 441  | 488                 | 491    | 477    |        | 714  | 913                                  | 974  | 982  |      |
| 323 Leather and fur products                     |      | 4057                     | 3977  | 4036  | 3866  | 41   | 44                  | 45     | 43     |        | 98   | 116                                  | 123  | 124  |      |
| 3231 Tanneries and leather finishing             |      | 750                      | 747   | 713   | 682   | 8    | 9                   | 9      | 9      |        | 27   | 32                                   | 32   | 32   |      |
| 3232 Fur dressing and dyeing industries          |      | 24                       | 15    | 12    | 10    | 1    |                     |        |        |        | 2    | 1                                    | 1    | 1    |      |
| 3233 Leather prods. excl. wearing apparel        |      | 3283                     | 3216  | 3311  | 3173  | 32   | 36                  | 36     | 34     |        | 69   | 84                                   | 91   | 91   |      |
| 324 Footwear, except rubber or plastic           |      | 1593                     | 1818  | 1861  | 1876  | 31   | 34                  | 36     | 34     |        | 76   | 97                                   | 101  | 103  |      |
| 331 Wood products, except furniture              |      | 29462                    | 26753 | 25183 | 24793 | 306  | 303                 | 296    | 286    |        | 774  | 890                                  | 912  | 923  |      |
| 3311 Sawmills, planing and other wood mills      |      | 23080                    | 20906 | 20201 | 19539 | 244  | 242                 | 236    | 228    |        | 622  | 717                                  | 733  | 744  |      |
| 3312 Wooden and cane containers                  |      | 2089                     | 1796  | 1698  | 1661  | 21   | 21                  | 21     | 20     |        | 63   | 69                                   | 62   | 61   |      |
| 3319 Other wood and cork products                |      | 4293                     | 4062  | 3884  | 3693  | 40   | 40                  | 39     | 37     |        | 99   | 114                                  | 116  | 118  |      |
| 332 Furniture and fixtures, excl. metal          |      | 10944                    | 10918 | 10772 | 10371 | 166  | 168                 | 166    | 169    |        | 408  | 526                                  | 544  | 548  |      |
| 341 Paper and products                           |      | 10456                    | 9974  | 9760  | 9603  | 246  | 267                 | 266    | 264    |        | 829  | 1011                                 | 1043 | 1077 |      |
| 3411 Pulp, paper and paperboard articles         |      | 706                      | 664   | 643   | 643   | 66   | 66                  | 66     | 66     |        | 288  | 336                                  | 343  | 364  |      |
| 3412 Containers of paper and paperboard          |      | 7937                     | 7531  | 7392  | 7186  | 143  | 149                 | 149    | 148    |        | 427  | 527                                  | 561  | 568  |      |
| 3419 Other pulp, paper and paperboard articles   |      | 1813                     | 1789  | 1726  | 1676  | 36   | 43                  | 41     | 41     |        | 104  | 163                                  | 149  | 166  |      |
| 342 Printing and publishing                      |      | 30988                    | 31073 | 30446 | 29486 | 629  | 681                 | 696    | 694    |        | 2094 | 2673                                 | 2863 | 2936 |      |
| 351 Industrial chemicals                         |      | 1810                     | 1853  | 1870  | 1876  | 188  | 179                 | 180    | 184    |        | 896  | 1009                                 | 1039 | 1086 |      |
| 3511 Basic chemicals excl. fertilizers           |      | 1271                     | 1279  | 1267  | 1299  | 97   | 92                  | 92     | 96     |        | 473  | 526                                  | 637  | 670  |      |
| 3512 Fertilizers and pesticides                  |      | 311                      | 294   | 307   | 297   | 17   | 13                  | 14     | 13     |        | 71   | 66                                   | 72   | 68   |      |
| 3513 Synthetic resins and plastic materials      |      | 228                      | 280   | 276   | 279   | 75   | 73                  | 74     | 76     |        | 351  | 417                                  | 430  | 448  |      |
| 352 Other chemicals                              |      | 3542                     | 3499  | 3521  | 3466  | 207  | 222                 | 226    | 232    |        | 898  | 1124                                 | 1176 | 1238 |      |
| 3521 Paints, varnishes and lacquers              |      | 590                      | 596   | 596   | 584   | 26   | 27                  | 28     | 28     |        | 118  | 146                                  | 167  | 161  |      |
| 3522 Drugs and medicines                         |      | 1181                     | 1144  | 1126  | 1113  | 97   | 99                  | 99     | 100    |        | 424  | 603                                  | 624  | 646  |      |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      | 756                      | 784   | 799   | 792   | 44   | 44                  | 47     | 48     |        | 154  | 198                                  | 214  | 227  |      |
| 3529 Other chemical products                     |      | 1016                     | 976   | 1002  | 976   | 46   | 62                  | 62     | 66     |        | 202  | 277                                  | 280  | 306  |      |
| 353 Petroleum refineries                         |      | 188                      | 181   | 190   | 183   | 24   | 21                  | 21     | 21     |        | 137  | 144                                  | 163  | 168  |      |

|  |        |        |        |        |       |       |       |       |       |       |       |       |
|--|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 354 Misc petroleum and coal products               | 122    | 893    | 903    | 909    | 13    | 12    | 13    | 13    | 52    | 55    | 59    | 55    |
| 355 Rubber products                                | 4027   | 4260   | 4238   | 4124   | 142   | 152   | 153   | 152   | 491   | 616   | 644   | 671   |
| 3551 Tyres and tubes                               | 63     | 63     | 61     | 66     | 28    | 27    | 27    | 28    | 127   | 154   | 160   | 165   |
| 3559 Other rubber products                         | 3964   | 4197   | 4177   | 4058   | 115   | 125   | 126   | 124   | 363   | 462   | 484   | 506   |
| 356 Plastic products                               | 19790  | 21634  | 21846  | 21137  | 392   | 456   | 477   | 466   | 1168  | 1563  | 1716  | 1748  |
| 361 Pottery, china, earthenware                    | 4082   | 3750   | 3775   | 3650   | 74    | 69    | 68    | 66    | 192   | 217   | 222   | 226   |
| 362 Glass and products                             | 1344   | 1420   | 1411   | 1368   | 64    | 70    | 71    | 69    | 247   | 310   | 325   | 328   |
| 369 Other non-metallic mineral products            | 15691  | 15516  | 15427  | 15152  | 314   | 316   | 317   | 317   | 1013  | 1201  | 1274  | 1320  |
| 3691 Structural clay products                      | 2048   | 1918   | 1873   | 1784   | 47    | 46    | 45    | 43    | 148   | 165   | 169   | 168   |
| 3692 Cement, lime and plaster                      | 233    | 209    | 211    | 211    | 16    | 13    | 13    | 14    | 73    | 70    | 76    | 80    |
| 3699 Other non-metallic mineral products           | 13410  | 13389  | 13343  | 13157  | 250   | 257   | 260   | 260   | 791   | 966   | 1029  | 1073  |
| 371 Iron and steel                                 | 6855   | 6477   | 6407   | 6205   | 387   | 338   | 340   | 331   | 1803  | 1888  | 1956  | 1932  |
| 372 Non-ferrous metals                             | 3737   | 3606   | 3492   | 3333   | 117   | 123   | 124   | 121   | 463   | 572   | 605   | 615   |
| 381 Fabricated metal products                      | 51607  | 53216  | 52369  | 50676  | 805   | 889   | 917   | 897   | 2633  | 3428  | 3806  | 3867  |
| 3811 Cutlery, hand tools and general hardware      | 4121   | 3944   | 3931   | 3820   | 58    | 51    | 61    | 60    | 178   | 215   | 229   | 233   |
| 3812 Furniture and fixtures primarily of metal     | 24     | 1064   | 1093   | 1062   | 24    | 29    | 30    | 28    | 80    | 116   | 123   | 117   |
| 3813 Structural metal products                     | 21422  | 23249  | 23146  | 22774  | 312   | 354   | 375   | 373   | 1085  | 1414  | 1635  | 1699  |
| 3819 Other fabricated metal products               | 25000  | 24930  | 24197  | 23020  | 410   | 415   | 451   | 437   | 1312  | 1683  | 1818  | 1819  |
| 382 Non-electrical machinery                       | 47067  | 50159  | 49746  | 47761  | 1288  | 1406  | 1431  | 1403  | 4905  | 6335  | 6725  | 6708  |
| 3821 Engines and turbines                          | 236    | 236    | 242    | 246    | 41    | 41    | 34    | 37    | 219   | 285   | 237   | 247   |
| 3822 Agricultural machinery and equipment          | 1308   | 1069   | 1028   | 988    | 40    | 32    | 31    | 30    | 136   | 128   | 130   | 130   |
| 3823 Metal and wood working machinery              | 9545   | 10430  | 10070  | 9341   | 198   | 217   | 219   | 205   | 753   | 982   | 1038  | 988   |
| 3824 Other special industrial machinery            | 9247   | 9563   | 9389   | 9148   | 244   | 255   | 264   | 252   | 1012  | 1233  | 1327  | 1277  |
| 3825 Office, computing and accounting machinery    | 4320   | 4858   | 4947   | 4692   | 265   | 290   | 293   | 292   | 881   | 1130  | 1208  | 1241  |
| 3829 Other non-electrical machinery & equipment    | 22411  | 24003  | 24070  | 23345  | 501   | 571   | 590   | 586   | 1903  | 2579  | 2785  | 2826  |
| 383 Electrical machinery                           | 33165  | 34800  | 35648  | 33865  | 1718  | 1824  | 1871  | 1817  | 5189  | 6723  | 7259  | 7347  |
| 3831 Electrical industrial machinery               | 8920   | 10146  | 10540  | 10337  | 329   | 332   | 405   | 398   | 1072  | 1516  | 1606  | 1625  |
| 3832 Radio, television and communication equipment | 15670  | 15740  | 15973  | 14842  | 1012  | 1028  | 1049  | 1007  | 2875  | 3646  | 3966  | 3987  |
| 3833 Electrical appliances and housewares          | 2696   | 2812   | 2950   | 2840   | 137   | 130   | 137   | 134   | 445   | 481   | 521   | 542   |
| 3839 Other electrical apparatus and supplies       | 5879   | 6102   | 6195   | 5845   | 240   | 273   | 281   | 278   | 797   | 1079  | 1166  | 1193  |
| 384 Transport equipment                            | 15184  | 15168  | 15134  | 14850  | 941   | 929   | 970   | 959   | 3858  | 4536  | 4943  | 4983  |
| 3841 Shipbuilding and repairing                    | 2698   | 2214   | 2192   | 2151   | 117   | 76    | 77    | 79    | 489   | 348   | 373   | 411   |
| 3842 Railroad equipment                            | 401    | 440    | 434    | 443    | 16    | 15    | 16    | 19    | 65    | 76    | 83    | 107   |
| 3843 Motor vehicles                                | 10777  | 11184  | 11201  | 10997  | 759   | 789   | 829   | 812   | 3102  | 3883  | 4260  | 4225  |
| 3844 Motorcycles and bicycles                      | 760    | 730    | 728    | 683    | 18    | 18    | 17    | 17    | 67    | 61    | 65    | 65    |
| 3845 Aircraft                                      | 151    | 219    | 213    | 221    | 25    | 26    | 25    | 26    | 122   | 146   | 141   | 154   |
| 3849 Other transport equipment                     | 397    | 381    | 366    | 355    | 7     | 6     | 5     | 5     | 22    | 21    | 20    | 21    |
| 385 Professional and scientific equipment          | 6743   | 6045   | 5959   | 5529   | 224   | 216   | 219   | 202   | 699   | 838   | 887   | 832   |
| 3851 Prof and scientific equipment n e c           | 2627   | 2650   | 2649   | 2531   | 69    | 84    | 88    | 83    | 244   | 358   | 388   | 367   |
| 3852 Photographic and optical goods                | 3259   | 2678   | 2609   | 2373   | 100   | 85    | 86    | 78    | 290   | 303   | 319   | 297   |
| 3853 Watches and clocks                            | 857    | 717    | 701    | 625    | 54    | 47    | 46    | 41    | 165   | 177   | 180   | 188   |
| 390 Other manufacturing industries                 | 14635  | 13735  | 13176  | 12555  | 215   | 220   | 217   | 220   | 603   | 723   | 762   | 806   |
| 3901 Jewellery and related articles                | 1020   | 1023   | 998    | 912    | 12    | 16    | 17    | 16    | 37    | 57    | 63    | 63    |
| 3902 Musical instruments                           | 656    | 588    | 570    | 527    | 24    | 24    | 22    | 21    | 82    | 110   | 108   | 104   |
| 3903 Sporting and athletic goods                   | 1371   | 1161   | 1104   | 1054   | 27    | 24    | 24    | 23    | 75    | 75    | 84    | 84    |
| 3909 Manufacturing industries, n e c               | 11588  | 10963  | 10504  | 10062  | 153   | 156   | 155   | 160   | 409   | 481   | 507   | 556   |
| 3 Total manufacturing                              | 438518 | 435997 | 430414 | 415152 | 10646 | 11173 | 11351 | 11157 | 34671 | 42655 | 45459 | 46137 |

a/ Number of persons engaged

Japan

| ISIC Industry                                    | Note          | Output<br>(Billion YEN) |       |       |       | Value added<br>(Billion YEN) |      |       |       | Share of value added in output (percentage) |      | Share of wages and salaries in value added (percentage) |      |  |
|--|---------------|-------------------------|-------|-------|-------|------------------------------|------|-------|-------|---|------|---|------|--|
|  |               | 1985                    | 1990  | 1991  | 1992  | 1985                         | 1990 | 1991  | 1992  | 1985  | 1992 | 1985  | 1992 |  |
| 23454  | ISIC Industry |                         |       |       |       |                              |      |       |       |   |      |   |      |  |
| 311.2 Food products                              |               | 27413                   | 26083 | 27413 | 28196 | 7641                         | 9654 | 10340 | 10934 | 32.6  | 38.8 | 33.3  | 31.3 |  |
| 3111 Slaughtering, preparing & preserving meat   |               | 10282                   | 9678  | 10282 | 10712 | 2612                         | 3748 | 4000  | 4328  | 34.6  | 40.4 | 34.6  | 29.1 |  |
| 3112 Dairy products                              |               | 2190                    | 2159  | 2190  | 2265  | 560                          | 701  | 751   | 751   | 28.0  | 33.2 | 28.7  | 25.0 |  |
| 3113 Canning, preserving of fruits & vegetables  |               | 973                     | 919   | 973   | 1010  | 275                          | 364  | 396   | 413   | 37.2  | 40.9 | 40.4  | 38.7 |  |
| 3114 Canning, preserving and processing of fish  |               | 4385                    | 3985  | 4385  | 4492  | 1075                         | 1249 | 1381  | 1441  | 28.6  | 32.1 | 36.5  | 35.0 |  |
| 3115 Vegetable and animal oils and fats          |               | 787                     | 826   | 787   | 848   | 273                          | 273  | 270   | 315   | 24.5  | 37.1 | 22.8  | 26.4 |  |
| 3116 Grain mill products                         |               | 1614                    | 1624  | 1614  | 1648  | 320                          | 301  | 311   | 311   | 18.1  | 18.9 | 18.3  | 26.4 |  |
| 3117 Bakery products                             |               | 4152                    | 4217  | 4152  | 4217  | 1987                         | 1987 | 2186  | 2279  | 49.1  | 52.9 | 41.3  | 39.2 |  |
| 3118 Sugar factories and refineries              |               | 484                     | 513   | 484   | 485   | 155                          | 152  | 142   | 156   | 26.5  | 32.0 | 25.8  | 25.8 |  |
| 3119 Cocoa, chocolate and sugar confectionery    |               | 1186                    | 1113  | 1186  | 1215  | 442                          | 574  | 618   | 651   | 46.4  | 53.6 | 46.0  | 32.3 |  |
| 3121 Other food products                         |               | 224                     | 229   | 224   | 220   | 60                           | 95   | 87    | 93    | 27.5  | 42.3 | 40.0  | 32.3 |  |
| 3122 Prepared animal feeds                       |               | 1136                    | 1191  | 1136  | 1084  | 249                          | 244  | 249   | 248   | 16.8  | 22.9 | 21.7  | 24.6 |  |
| 313 Beverages                                    |               | 4203                    | 4668  | 4203  | 4739  | 1266                         | 1492 | 1520  | 1497  | 30.1  | 31.5 | 18.7  | 19.0 |  |
| 3131 Distilling, rectifying and blending spirits |               | 1963                    | 1993  | 1963  | 1939  | 828                          | 898  | 902   | 891   | 38.9  | 46.0 | 17.5  | 19.8 |  |
| 3132 Wine industries                             |               | 27                      | 36    | 27    | 34    | 17                           | 17   | 17    | 17    | 40.7  | 52.9 | 27.3  | 33.3 |  |
| 3133 Malt liquors and malt                       |               | 2420                    | 2312  | 2420  | 2439  | 338                          | 486  | 504   | 490   | 19.3  | 20.1 | 18.0  | 14.3 |  |
| 3134 Soft drinks and carbonated waters           |               | 322                     | 326   | 322   | 333   | 88                           | 91   | 96    | 98    | 29.8  | 29.4 | 28.4  | 31.6 |  |
| 314 Tobacco                                      |               | 2476                    | 2353  | 2476  | 2629  | 167                          | 290  | 356   | 381   | 11.1  | 14.5 | 37.7  | 15.7 |  |
| 321 Textiles                                     |               | 9261                    | 9261  | 9261  | 9110  | 3640                         | 3916 | 4044  | 3503  | 39.4  | 43.5 | 43.7  | 44.3 |  |
| 3211 Spinning, weaving and finishing textiles    |               | 4741                    | 4710  | 4741  | 4411  | 2106                         | 2056 | 2102  | 2013  | 39.5  | 45.6 | 45.0  | 45.4 |  |
| 3212 Made-up textile goods excl. wearing apparel |               | 1025                    | 1287  | 1025  | 1404  | 407                          | 576  | 576   | 577   | 39.7  | 41.1 | 39.8  | 41.4 |  |
| 3213 Knitting mills                              |               | 2057                    | 2114  | 2057  | 2114  | 739                          | 871  | 866   | 871   | 36.5  | 41.2 | 44.2  | 46.3 |  |
| 3214 Carpets and rugs                            |               | 451                     | 462   | 451   | 414   | 133                          | 161  | 153   | 148   | 35.5  | 35.7 | 37.5  | 41.2 |  |
| 3215 Cordage, rope and twine                     |               | 165                     | 160   | 165   | 145   | 63                           | 69   | 70    | 66    | 38.2  | 44.8 | 47.5  | 47.7 |  |
| 3219 Other textiles                              |               | 436                     | 585   | 436   | 622   | 192                          | 268  | 278   | 289   | 44.0  | 46.5 | 38.5  | 36.7 |  |
| 322 Wearing apparel, except footwear             |               | 3516                    | 3266  | 3516  | 3430  | 1341                         | 1726 | 1888  | 1849  | 50.8  | 53.9 | 53.2  | 53.1 |  |
| 323 Leather and fur products                     |               | 755                     | 733   | 755   | 709   | 234                          | 271  | 293   | 283   | 37.6  | 39.9 | 41.9  | 43.8 |  |
| 3231 Lumberies and leather finishing             |               | 218                     | 218   | 218   | 194   | 61                           | 63   | 69    | 65    | 31.4  | 33.5 | 44.3  | 49.2 |  |
| 3232 Fur dressing and dyeing industries          |               | 13                      | 1     | 13    | 1     | 6                            | 1    | 1     | 1     | 46.2  | 42.3 | 33.3  | 33.3 |  |
| 3233 Leather prods. excl. wearing apparel        |               | 415                     | 499   | 415   | 513   | 166                          | 207  | 224   | 217   | 40.0  | 42.3 | 41.6  | 41.9 |  |
| 324 Footwear, except rubber or plastic           |               | 557                     | 540   | 557   | 542   | 157                          | 214  | 223   | 215   | 38.3  | 39.7 | 48.4  | 47.9 |  |
| 331 Wood products, except furniture              |               | 5258                    | 5224  | 5258  | 5055  | 1643                         | 2028 | 2078  | 2009  | 37.0  | 39.7 | 47.1  | 45.9 |  |
| 3311 Sawmills, planing and other wood mills      |               | 457                     | 416   | 457   | 438   | 135                          | 168  | 172   | 166   | 35.3  | 38.2 | 46.0  | 44.7 |  |
| 3312 Wooden and cane containers                  |               | 277                     | 258   | 277   | 259   | 101                          | 111  | 115   | 115   | 43.3  | 44.4 | 52.5  | 53.0 |  |
| 3319 Other wood and cork products                |               | 400                     | 449   | 400   | 438   | 191                          | 235  | 244   | 230   | 49.5  | 52.5 | 51.8  | 51.3 |  |
| 332 Furniture and fixtures, excl. metal          |               | 2913                    | 2840  | 2913  | 2760  | 906                          | 1264 | 1312  | 1249  | 44.0  | 45.3 | 45.0  | 43.9 |  |
| 341 Paper and products                           |               | 8381                    | 8270  | 8381  | 8139  | 2328                         | 3227 | 3256  | 3241  | 33.6  | 39.8 | 35.6  | 33.2 |  |
| 3411 Pulp, paper and paperboard articles         |               | 3546                    | 3567  | 3546  | 3409  | 927                          | 1356 | 1356  | 1338  | 30.7  | 39.8 | 31.1  | 26.5 |  |
| 3412 Containers of paper and paperboard          |               | 3905                    | 3690  | 3905  | 3810  | 1146                         | 1400 | 1489  | 1487  | 35.2  | 39.0 | 38.1  | 38.2 |  |
| 3419 Other pulp, paper and paperboard articles   |               | 930                     | 1013  | 930   | 920   | 255                          | 471  | 416   | 417   | 39.2  | 45.3 | 40.8  | 37.2 |  |
| 342 Printing and publishing                      |               | 13918                   | 13195 | 13918 | 13745 | 4959                         | 6941 | 7341  | 7348  | 52.8  | 53.5 | 42.2  | 40.0 |  |
| 351 Industrial chemicals                         |               | 12468                   | 12110 | 12468 | 11967 | 4010                         | 5513 | 5681  | 5785  | 33.9  | 48.3 | 22.3  | 18.8 |  |
| 3511 Basic chemicals excl. fertilizers           |               | 6312                    | 6165  | 6312  | 2729  | 2140                         | 2814 | 2814  | 2762  | 33.2  | 46.5 | 22.1  | 20.6 |  |
| 3512 Fertilizers and pesticides                  |               | 752                     | 704   | 752   | 715   | 321                          | 258  | 290   | 270   | 36.0  | 37.0 | 22.1  | 25.2 |  |
| 3513 Synthetic resins and plastic materials      |               | 5404                    | 5340  | 5404  | 5309  | 1549                         | 2527 | 2577  | 2753  | 34.4  | 51.9 | 22.7  | 16.3 |  |
| 352 Other chemicals                              |               | 11927                   | 11497 | 11927 | 12276 | 4713                         | 6771 | 7015  | 7221  | 54.0  | 58.8 | 19.1  | 17.1 |  |
| 3521 Paints, varnishes and lacquers              |               | 1443                    | 1366  | 1443  | 1389  | 426                          | 529  | 570   | 542   | 36.8  | 39.0 | 27.7  | 29.7 |  |
| 3522 Drugs and medicines                         |               | 5356                    | 5173  | 5356  | 5336  | 1500                         | 3671 | 3671  | 3760  | 65.6  | 67.9 | 17.0  | 14.5 |  |
| 3523 Soap, cleaning prods., perfumes, cosmetics  |               | 2671                    | 2465  | 2671  | 2599  | 1052                         | 1500 | 1556  | 1613  | 54.8  | 60.4 | 14.6  | 14.1 |  |
| 3529 Other chemical products                     |               | 2527                    | 2492  | 2527  | 2679  | 735                          | 1173 | 1219  | 1306  | 39.9  | 48.7 | 27.5  | 23.4 |  |
| 353 Petroleum refineries                         |               | 8079                    | 7602  | 8079  | 7738  | 1096                         | 701  | 1117  | 1322  | 9.3   | 17.1 | 12.5  | 12.0 |  |

|   |        |        |        |        |       |        |        |        |      |      |      |      |
|---|--------|--------|--------|--------|-------|--------|--------|--------|------|------|------|------|
| 354 Misc petroleum and coal products            | 1111   | 787    | 789    | 765    | 170   | 223    | 230    | 233    | 15 3 | 30 5 | 30 6 | 27 9 |
| 355 Rubber products                             | 2778   | 3376   | 3523   | 3464   | 1211  | 1651   | 1724   | 1756   | 43 6 | 50 7 | 40 5 | 38 2 |
| 3551 Tyres and tubes                            | 999    | 1049   | 1067   | 1081   | 400   | 543    | 549    | 584    | 40 0 | 54 0 | 31 7 | 28 3 |
| 3559 Other rubber products                      | 1780   | 2327   | 2456   | 2393   | 811   | 1108   | 1175   | 1172   | 45 6 | 49 0 | 44 8 | 43 1 |
| 356 Plastic products                            | 8297   | 10768  | 11948  | 11489  | 3237  | 4459   | 4962   | 4918   | 39 0 | 42 8 | 36 1 | 35 5 |
| 361 Pottery, china, earthenware                 | 709    | 793    | 806    | 788    | 388   | 432    | 454    | 457    | 54 7 | 58 0 | 49 5 | 49 2 |
| 362 Glass and products                          | 1766   | 2128   | 2115   | 1946   | 961   | 1226   | 1183   | 1122   | 54 4 | 57 7 | 25 7 | 29 2 |
| 369 Other non-metallic mineral products         | 6298   | 7750   | 8148   | 8041   | 2939  | 3859   | 4094   | 4087   | 46 7 | 50 8 | 34 5 | 32 3 |
| 3691 Structural clay products                   | 730    | 814    | 841    | 779    | 367   | 451    | 464    | 433    | 50 3 | 55 6 | 40 3 | 38 8 |
| 3692 Cement, lime and plaster                   | 936    | 912    | 984    | 979    | 476   | 485    | 524    | 535    | 45 5 | 54 6 | 17 1 | 15 0 |
| 3699 Other non-metallic mineral products        | 4632   | 6024   | 6343   | 6284   | 2146  | 2924   | 3106   | 3120   | 46 3 | 49 6 | 36 9 | 34 4 |
| 371 Iron and steel                              | 17823  | 18310  | 18712  | 16485  | 6017  | 7028   | 7375   | 6756   | 33 8 | 41 0 | 30 0 | 28 6 |
| 372 Non-ferrous metals                          | 4687   | 5617   | 5411   | 4868   | 1249  | 1734   | 1719   | 1631   | 26 6 | 33 5 | 37 1 | 37 7 |
| 381 Fabricated metal products                   | 14133  | 20032  | 22026  | 21391  | 6287  | 9108   | 10103  | 9974   | 44 5 | 46 6 | 41 9 | 38 8 |
| 3811 Cutlery, hand tools and general hardware   | 847    | 1064   | 1135   | 1097   | 412   | 519    | 562    | 547    | 48 6 | 49 9 | 42 7 | 42 6 |
| 3812 Furniture and fixtures primarily of metal  | 483    | 787    | 857    | 727    | 198   | 347    | 385    | 323    | 41 0 | 44 4 | 40 4 | 36 2 |
| 3813 Structural metal products                  | 6128   | 9309   | 10530  | 10542  | 2567  | 4003   | 4586   | 4720   | 41 9 | 44 8 | 41 5 | 36 0 |
| 3819 Other fabricated metal products            | 6675   | 8872   | 9505   | 9026   | 3110  | 4239   | 4570   | 4385   | 46 6 | 48 6 | 42 2 | 41 5 |
| 382 Non-electrical machinery                    | 29603  | 43481  | 46462  | 42522  | 12781 | 18325  | 19596  | 17907  | 43 2 | 42 1 | 38 4 | 37 5 |
| 3821 Engines and turbines                       | 1373   | 1837   | 1785   | 1805   | 615   | 795    | 825    | 776    | 44 8 | 43 0 | 35 6 | 31 8 |
| 3822 Agricultural machinery and equipment       | 838    | 763    | 795    | 752    | 382   | 318    | 329    | 330    | 45 6 | 43 9 | 35 6 | 39 4 |
| 3823 Metal and wood working machinery           | 3863   | 5321   | 5633   | 4312   | 1891  | 2564   | 2690   | 2174   | 49 0 | 50 4 | 39 8 | 45 4 |
| 3824 Other special industrial machinery         | 6033   | 8489   | 9045   | 7358   | 2375  | 3433   | 3769   | 3299   | 39 4 | 41 5 | 42 6 | 38 7 |
| 3825 Office, computing and accounting machinery | 7689   | 12128  | 12989  | 12461  | 3077  | 4548   | 4734   | 4332   | 40 0 | 35 3 | 28 6 | 28 6 |
| 3829 Other non-electrical machinery & equipment | 9807   | 14943  | 16216  | 15433  | 4440  | 6668   | 7249   | 6996   | 45 3 | 45 3 | 42 9 | 40 4 |
| 383 Electrical machinery                        | 38182  | 48814  | 52837  | 48287  | 15070 | 19385  | 20949  | 18961  | 39 5 | 39 3 | 34 4 | 38 7 |
| 3831 Electrical industrial machinery            | 5832   | 8930   | 9793   | 9305   | 2346  | 3481   | 3828   | 3608   | 40 2 | 38 8 | 45 7 | 45 0 |
| 3832 Radio, television and communication equipm | 23059  | 28312  | 30421  | 26981  | 9006  | 10972  | 11698  | 10218  | 39 1 | 37 9 | 31 9 | 39 0 |
| 3833 Electrical appliances and housewares       | 3970   | 4096   | 4583   | 4560   | 1602  | 1851   | 2049   | 2009   | 40 4 | 44 1 | 27 8 | 27 0 |
| 3839 Other electrical apparatus and supplies    | 5320   | 7486   | 8039   | 7442   | 2117  | 3080   | 3375   | 3146   | 39 8 | 42 3 | 37 6 | 37 9 |
| 384 Transport equipment                         | 35756  | 46541  | 48659  | 49109  | 10772 | 13841  | 14138  | 13992  | 30 1 | 28 5 | 35 8 | 35 6 |
| 3841 Shipbuilding and repairing                 | 2784   | 2307   | 2473   | 2762   | 1037  | 846    | 900    | 1076   | 37 2 | 39 0 | 47 2 | 38 2 |
| 3842 Railroad equipment                         | 278    | 370    | 389    | 524    | 123   | 147    | 156    | 223    | 44 2 | 42 6 | 53 7 | 48 0 |
| 3843 Motor vehicles                             | 31530  | 42423  | 44336  | 44303  | 9105  | 12261  | 12473  | 12037  | 28 9 | 27 2 | 34 1 | 35 1 |
| 3844 Motorcycles and bicycles                   | 354    | 508    | 520    | 499    | 150   | 231    | 235    | 239    | 42 4 | 47 9 | 38 0 | 27 2 |
| 3845 Aircraft                                   | 666    | 811    | 818    | 886    | 305   | 307    | 374    | 358    | 45 8 | 40 4 | 40 0 | 43 0 |
| 3849 Other transport equipment                  | 144    | 121    | 121    | 135    | 52    | 49     | 50     | 58     | 36 1 | 43 0 | 42 3 | 36 2 |
| 385 Professional and scientific equipment       | 3824   | 4472   | 4733   | 4255   | 1563  | 1853   | 1936   | 1764   | 43 5 | 41 5 | 42 0 | 47 2 |
| 3851 Prof and scientific equipment n e c        | 1188   | 1835   | 1954   | 1751   | 603   | 875    | 934    | 837    | 50 8 | 47 8 | 40 5 | 43 8 |
| 3852 Photographic and optical goods             | 1559   | 1631   | 1711   | 1511   | 626   | 667    | 647    | 596    | 40 2 | 39 4 | 46 3 | 49 8 |
| 3853 Watches and clocks                         | 1077   | 1006   | 1068   | 993    | 434   | 311    | 355    | 332    | 40 3 | 33 4 | 38 0 | 50 6 |
| 390 Other manufacturing industries              | 3683   | 4653   | 4932   | 5061   | 1553  | 1988   | 2142   | 2214   | 42 2 | 43 7 | 38 8 | 36 4 |
| 3901 Jewellery and related articles             | 334    | 486    | 498    | 450    | 108   | 163    | 177    | 161    | 32 3 | 35 8 | 34 3 | 39 1 |
| 3902 Musical instruments                        | 540    | 567    | 541    | 529    | 221   | 255    | 247    | 228    | 40 9 | 43 1 | 37 1 | 45 6 |
| 3903 Sporting and athletic goods                | 483    | 456    | 495    | 463    | 214   | 211    | 250    | 241    | 44 3 | 52 1 | 35 0 | 34 9 |
| 3909 Manufacturing industries, n e c            | 2326   | 3164   | 3398   | 3619   | 1010  | 1359   | 1468   | 1584   | 43 4 | 43 8 | 40 5 | 35 1 |
| 3 Total manufacturing                           | 265895 | 325163 | 342976 | 329513 | 98399 | 129122 | 137070 | 133087 | 37 0 | 40 4 | 35 2 | 34 7 |

## Japan

## Gross fixed capital formation

(billion YEN)

| ISIC Industry                             | Note | 1985  | 1990  | 1991  | 1992  |
|---|------|-------|-------|-------|-------|
| 311/2 Food Products                       |      | 517   | 792   | 954   | 930   |
| 313 Beverages                             |      | 105   | 247   | 275   | 137   |
| 314 Tobacco                               |      | 428   | 40    | 51    | 44    |
| 321 Textiles                              |      | 204   | 336   | 401   | 320   |
| 322 Wearing apparel, except footwear      |      | 30    | 60    | 74    | 68    |
| 323 Leather and fur products              |      | 2     | 8     | 11    | 13    |
| 324 Footwear, except rubber or plastic    |      | 5     | 8     | 8     | 10    |
| 331 Wood products, except furniture       |      | 43    | 82    | 104   | 79    |
| 332 Furniture and fixtures, excl. metal   |      | 29    | 69    | 79    | 80    |
| 341 Paper and products                    |      | 355   | 616   | 770   | 443   |
| 342 Printing and publishing               |      | 289   | 531   | 612   | 625   |
| 351 Industrial chemicals                  |      | 694   | 931   | 995   | 1080  |
| 352 Other chemicals                       |      | 340   | 590   | 663   | 643   |
| 353 Petroleum refineries                  |      | 275   | 183   | 266   | 296   |
| 354 Misc. petroleum and coal products     |      | 63    | 16    | 19    | 27    |
| 355 Rubber products                       |      | 154   | 206   | 274   | 260   |
| 356 Plastic products                      |      | 356   | 505   | 702   | 633   |
| 361 Pottery, china, earthenware           |      | 44    | 50    | 58    | 49    |
| 362 Glass and products                    |      | 188   | 182   | 216   | 155   |
| 369 Other non-metallic mineral products   |      | 197   | 326   | 403   | 361   |
| 371 Iron and steel                        |      | 850   | 1070  | 1270  | 1300  |
| 372 Non-ferrous metals                    |      | 248   | 299   | 358   | 410   |
| 381 Fabricated metal products             |      | 397   | 702   | 928   | 921   |
| 382 Non-electrical machinery              |      | 1264  | 1750  | 2140  | 1850  |
| 383 Electrical machinery                  |      | 2341  | 2600  | 3170  | 2620  |
| 384 Transport equipment                   |      | 1477  | 2240  | 2830  | 2810  |
| 385 Professional and scientific equipment |      | 199   | 215   | 267   | 198   |
| 390 Other manufacturing industries        |      | 84    | 108   | 145   | 148   |
| 3 Total manufacturing                     |      | 11182 | 14800 | 18100 | 16600 |

a/ 361 includes 362 and 369

## Index numbers of industrial production

(1980=100)

| ISIC Industry                             | Note | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
|---|------|------|------|------|------|------|------|------|------|------|
| 311/2 Food Products                       |      | 103  | 104  | 105  | 104  | 108  | 110  | 111  | 114  | 113  |
| 313 Beverages                             |      | 97   | 98   | 99   | 102  | 104  | 103  | 104  | 104  | 103  |
| 314 Tobacco                               |      | 100  | 97   | 96   | 93   | 89   | 90   | 92   | 93   | 97   |
| 321 Textiles                              |      | 99   | 98   | 94   | 92   | 93   | 92   | 90   | 88   | 85   |
| 322 Wearing apparel, except footwear      |      | 101  | 101  | 98   | 98   | 98   | 97   | 44   | 93   | 89   |
| 323 Leather and fur products              |      | 98   | 93   | 89   | 90   | 88   | 91   | 91   | 91   | 88   |
| 324 Footwear, except rubber or plastic    |      | 111  | 106  | 104  | 104  | 112  | 107  | 108  | 106  |      |
| 331 Wood products, except furniture       |      | 80   | 79   | 79   | 83   | 83   | 83   | 82   | 80   | 76   |
| 332 Furniture and fixtures, excl. metal   |      | 107  | 112  | 115  | 122  | 132  | 141  | 147  | 152  | 148  |
| 341 Paper and products                    |      | 100  | 106  | 106  | 107  | 113  | 115  | 118  | 123  | 125  |
| 342 Printing and publishing               |      |      |      |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      | 105  | 106  | 106  | 112  | 120  | 127  | 132  | 135  | 135  |
| 352 Other chemicals                       |      | 118  | 121  | 123  | 132  | 143  | 154  | 163  | 167  | 169  |
| 353 Petroleum refineries                  |      | 89   | 83   | 80   | 78   | 80   | 84   | 93   | 99   | 104  |
| 354 Misc. petroleum and coal products     |      | 100  | 101  | 94   | 91   | 99   | 97   | 93   | 91   | 85   |
| 355 Rubber products                       |      | 106  | 110  | 106  | 109  | 118  | 126  | 130  | 129  | 125  |
| 356 Plastic products                      |      | 112  | 115  | 118  | 123  | 132  | 137  | 142  | 144  | 139  |
| 361 Pottery, china, earthenware           | a/   | 96   | 96   | 93   | 96   | 105  | 108  | 112  | 112  | 105  |
| 362 Glass and products                    | a/   |      |      |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   | a/   |      |      |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      | 99   | 101  | 95   | 97   | 106  | 108  | 110  | 111  | 101  |
| 372 Non-ferrous metals                    |      | 101  | 101  | 101  | 108  | 114  | 121  | 130  | 134  | 129  |
| 381 Fabricated metal products             |      | 97   | 97   | 97   | 101  | 110  | 115  | 119  | 119  | 113  |
| 382 Non-electrical machinery              |      | 124  | 136  | 135  | 138  | 162  | 178  | 185  | 187  | 160  |
| 383 Electrical machinery                  |      | 193  | 203  | 207  | 224  | 259  | 276  | 294  | 315  | 284  |
| 384 Transport equipment                   |      | 101  | 108  | 106  | 105  | 113  | 123  | 132  | 133  | 131  |
| 385 Professional and scientific equipment |      | 129  | 148  | 156  | 153  | 164  | 172  | 191  | 190  | 162  |
| 390 Other manufacturing industries        |      | 96   | 101  | 103  | 103  | 121  | 135  | 164  | 154  | 162  |
| 3 Total manufacturing                     |      | 115  | 120  | 119  | 123  | 136  | 143  | 150  | 154  | 144  |



## JORDAN

**Supplier of information:**

Department of Statistics, Amman.

**Basic source of data:**

Annual survey of establishments on manufacturing.

**Major deviations from current version of ISIC:**

Data collected under the national classification system have been reclassified by the national authorities to correspond approximately with the current version of the ISIC. It should be noted that: prior to the year 1989 ISIC 390 includes establishments specializing in repair services for the general public, bakeries located in rural areas and establishments engaging in both manufacturing and repair activities (mainly observed in the case of ISIC 322, 381 and 383) and to other manufacturing industries.

**Reference period (if not calendar year):****Scope:**

All establishments.

Data relate to the East Bank.

**Method of enumeration:**

The survey is conducted on the basis of sampling of establishments with less than 20 persons engaged and of a complete enumeration of all establishments with 20 or more persons engaged. Since 1991, sampling methods are also used for establishments with 20 or more persons engaged.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

Number of establishments relates to the establishments in operation during the year.

Number of employees refers to the number at the end of June of the reference year.

Output is the sum of the value of goods produced, value of goods sold in the same condition as purchased and receipts for industrial services rendered to others.

Value added is the difference between the value of output and the cost of materials, supplies, fuels, water and electricity consumed, cost of work done by others and cost of non-industrial services purchased.

**Related national publications:**

Industry Survey (annual); Statistical Yearbook, both published by the Department of Statistics, Amman.

## Jordan

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note | Number of employees |       |       |       | Note | Wages and salaries paid to employees |       |       |       |
|--|------|--------------------------|------|------|------|------|---------------------|-------|-------|-------|------|--------------------------------------|-------|-------|-------|
|  |      | (numbers)                |      |      |      |      | (numbers)           |       |       |       |      | (thousand DINARS)                    |       |       |       |
|  |      | 1985                     | 1990 | 1991 | 1992 |      | 1985                | 1990  | 1991  | 1992  |      | 1985                                 | 1990  | 1991  | 1992  |
| 311/2 Food Products                              |      | 896                      | 1559 | 1616 | 2041 |      | 5643                | 7819  | 9118  | 10296 |      | 7428                                 | 11334 | 13892 | 16688 |
| 3111 Slaughtering, preparing & preserving meat   |      |                          | 28   | 32   |      |      |                     | 307   | 392   |       |      |                                      | 279   | 630   |       |
| 3112 Dairy products                              |      |                          | 124  | 125  |      |      |                     | 853   | 885   |       |      |                                      | 1974  | 1704  |       |
| 3113 Canning, preserving of fruits & vegetables  |      |                          | 5    | 7    |      |      |                     | 555   | 506   |       |      |                                      | 785   | 768   |       |
| 3114 Canning, preserving and processing of fish  |      |                          | -    | -    |      |      |                     | -     | -     |       |      |                                      | -     | -     |       |
| 3115 Vegetable and animal oils and fats          |      |                          | 91   | 74   |      |      |                     | 326   | 284   |       |      |                                      | 409   | 482   |       |
| 3116 Grain mill products                         |      |                          | 42   | 69   |      |      |                     | 451   | 615   |       |      |                                      | 1097  | 1187  |       |
| 3117 Bakery products                             |      |                          | 1164 | 1201 |      |      |                     | 4066  | 5213  |       |      |                                      | 4981  | 6697  |       |
| 3118 Sugar factories and refineries              |      |                          | -    | -    |      |      |                     | -     | -     |       |      |                                      | -     | -     |       |
| 3119 Cocoa, chocolate and sugar confectionery    |      |                          | 35   | 34   |      |      |                     | 862   | 736   |       |      |                                      | 964   | 1152  |       |
| 3121 Other food products                         |      |                          | 53   | 56   |      |      |                     | 246   | 447   |       |      |                                      | 422   | 815   |       |
| 3122 Prepared animal feeds                       |      |                          | 17   | 18   |      |      |                     | 153   | 141   |       |      |                                      | 433   | 457   |       |
| 313 Beverages                                    |      | 18                       | 15   | 17   | 17   |      | 966                 | 819   | 829   | 1000  |      | 1304                                 | 1855  | 2112  | 2568  |
| 3131 Distilling, rectifying and blending spirits |      |                          | 3a/  | 4a/  |      |      |                     | 184a/ | 226a/ |       |      |                                      | 488a/ | 528a/ |       |
| 3132 Wine industries                             |      |                          | a/   | a/   |      |      |                     | a/    | a/    |       |      |                                      | a/    | a/    |       |
| 3133 Malt liquors and malt                       |      |                          | a/   | a/   |      |      |                     | a/    | a/    |       |      |                                      | a/    | a/    |       |
| 3134 Soft drinks and carbonated waters           |      |                          | 12   | 13   |      |      |                     | 635   | 603   |       |      |                                      | 1367  | 1584  |       |
| 314 Tobacco                                      |      | 4                        | 4    | 4    | 4    |      | 754                 | 810   | 947   | 955   |      | 2148                                 | 3006  | 3895  | 3571  |
| 321 Textiles                                     |      | 119                      | 147  | 148  | 202  |      | 1004                | 1367  | 1654  | 1939  |      | 1682                                 | 2494  | 2905  | 3648  |
| 3211 Spinning, weaving and finishing textiles    |      |                          | 20   | 22   |      |      |                     | 731   | 778   |       |      |                                      | 1768  | 1950  |       |
| 3212 Made-up textile goods excl. wearing apparel |      |                          | 77   | 72   |      |      |                     | 148   | 175   |       |      |                                      | 217   | 202   |       |
| 3213 Knitting mills                              |      |                          | 48   | 47   |      |      |                     | 395   | 481   |       |      |                                      | 339   | 475   |       |
| 3214 Carpets and rugs                            |      |                          | 2    | 7    |      |      |                     | 93    | 220   |       |      |                                      | 170   | 278   |       |
| 3215 Cordage, rope and twine                     |      |                          | -    | -    |      |      |                     | -     | -     |       |      |                                      | -     | -     |       |
| 3219 Other textiles                              |      |                          | -    | -    |      |      |                     | -     | -     |       |      |                                      | -     | -     |       |
| 322 Wearing apparel, except footwear             |      | 806                      | 1268 | 1321 | 1535 |      | 2150                | 2249  | 2877  | 3933  |      | 2094                                 | 2629  | 3767  | 4727  |
| 323 Leather and fur products                     |      | 31                       | 59   | 59   | 67   |      | 199                 | 412   | 437   | 288   |      | 306                                  | 647   | 834   | 1004  |
| 3231 Tanneries and leather finishing             |      |                          | 29   | 28   |      |      |                     | 280   | 290   |       |      |                                      | 401   | 741   |       |
| 3232 Fur dressing and dyeing industries          |      |                          | -    | -    |      |      |                     | -     | -     |       |      |                                      | -     | -     |       |
| 3233 Leather goods excl. wearing apparel         |      |                          | 30   | 31   |      |      |                     | 132   | 147   |       |      |                                      | 146   | 93    |       |
| 324 Footwear, except rubber or plastic           |      | 105                      | 165  | 162  | 288  |      | 605                 | 611   | 771   | 1074  |      | 1046                                 | 1081  | 1396  | 1499  |
| 331 Wood products, except furniture              |      | 1206b/                   | 711  | 727  | 782  |      | 3394b/              | 613   | 932   | 1254  |      | 4646b/                               | 700   | 1087  | 1635  |
| 3311 Sawmills, planing and other wood mills      |      |                          | 563  | 579  |      |      |                     | 399   | 687   |       |      |                                      | 463   | 793   |       |
| 3312 Wooden and cane containers                  |      |                          | 12   | 12   |      |      |                     | 106   | 108   |       |      |                                      | 126   | 132   |       |
| 3319 Other wood and cork products                |      |                          | 136  | 136  |      |      |                     | 108   | 137   |       |      |                                      | 111   | 162   |       |
| 332 Furniture and fixtures, excl. metal          |      | b/                       | 1495 | 1528 | 2002 |      | b/                  | 2315  | 2693  | 4356  |      | b/                                   | 3083  | 3636  | 6099  |
| 341 Paper and products                           |      | 19                       | 26   | 27   | 27   |      | 1017                | 1605  | 1892  | 1636  |      | 2077                                 | 3572  | 4104  | 3833  |
| 3411 Pulp, paper and paperboard articles         |      |                          | 5    | 4    |      |      |                     | 278   | 229   |       |      |                                      | 438   | 430   |       |
| 3412 Containers of paper and paperboard          |      |                          | 15   | 16   |      |      |                     | 590   | 738   |       |      |                                      | 1807  | 1853  |       |
| 3419 Other pulp, paper and paperboard articles   |      |                          | 6    | 7    |      |      |                     | 737   | 925   |       |      |                                      | 1327  | 1821  |       |
| 342 Printing and publishing                      |      | 106                      | 216  | 228  | 283  |      | 1428                | 1804  | 1958  | 2683  |      | 3062                                 | 4103  | 4484  | 5197  |
| 351 Industrial chemicals                         |      | 72c/                     | 24   | 20   | 23   |      | 3793c/              | 1474  | 1725  | 1856  |      | 8987c/                               | 5472  | 7269  | 8287  |
| 3511 Basic chemicals excl. fertilizers           |      |                          | 11   | 10   |      |      |                     | 444   | 338   |       |      |                                      | 1093  | 927   |       |
| 3512 Fertilizers and pesticides                  |      |                          | 3    | 2    |      |      |                     | 774   | 1017  |       |      |                                      | 4179  | 6519  |       |
| 3513 Synthetic resins and plastic materials      |      |                          | 10   | 8    |      |      |                     | 256   | 370   |       |      |                                      | 700   | 823   |       |
| 352 Other chemicals                              |      | c/                       | 40   | 49   | 87   |      | c/                  | 3328  | 3823  | 5121  |      | c/                                   | 9411  | 10232 | 13563 |
| 3521 Paints, varnishes and lacquers              |      |                          | 12   | 15   |      |      |                     | 293   | 348   |       |      |                                      | 843   | 779   |       |
| 3522 Drugs and medicines                         |      |                          | 8    | 10   |      |      |                     | 1938  | 2036  |       |      |                                      | 6228  | 6133  |       |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      |                          | 11   | 17   |      |      |                     | 851   | 1152  |       |      |                                      | 2089  | 2857  |       |
| 3529 Other chemical products                     |      |                          | 9    | 7    |      |      |                     | 246   | 288   |       |      |                                      | 451   | 603   |       |
| 353 Petroleum refineries                         |      | 1                        | 1    | 1    | 1    |      | 2812                | 3374  | 3404  | 3544  |      | 10710                                | 13495 | 15378 | 17064 |

|   |        |      |      |        |         |       |       |         |         |       |        |         |
|---|--------|------|------|--------|---------|-------|-------|---------|---------|-------|--------|---------|
| 354 Misc petroleum and coal products            | -      | -    | -    | -      | -       | -     | -     | -       | -       | -     | -      | -       |
| 355 Rubber products                             | 4      | 16   | 15   | 10     | 3       | 152   | 102   | 70      | 2       | 263   | 156    | 149     |
| 3551 Tyres and tubes                            |        |      |      |        |         |       |       |         |         |       |        |         |
| 3559 Other rubber products                      |        |      |      |        |         |       |       |         |         |       |        |         |
| 356 Plastic products                            | 54     | 58   | 58   | 94     | 1509    | 2087  | 2503  | 3118    | 2373    | 3763  | 4195   | 5826    |
| 361 Pottery, china, earthenware                 | 912d/  | 21e/ | 4    | 1713d/ | 5722d/  | 399   | 583   | 10298d/ | 10630d/ | 734   | 1021   | 20254d/ |
| 362 Glass and products                          | d/     | e/   | 18   | d/     | d/      | 542   | 556   | d/      | d/      | 1232  | 1274   | d/      |
| 369 Other non-metallic mineral products         | d/     | 1342 | 1368 | d/     | d/      | 5978  | 7024  | d/      | d/      | 11713 | 13406  | d/      |
| 3691 Structural clay products                   |        |      |      |        |         |       |       |         |         |       |        |         |
| 3692 Cement, lime and plaster                   |        | 5    | 4    |        |         | 2215  | 2400  |         |         | 7734  | 8220   |         |
| 3699 Other non-metallic mineral products        |        | 1337 | 1364 |        |         | 3763  | 4624  |         |         | 3979  | 5186   |         |
| 371 Iron and steel                              | 30f/   | 27f/ | 11   | 10     | 8821/   | 703   | 740   | 1046    | 1873f/  | 2286  | 2090   | 2725    |
| 372 Non-ferrous metals                          | f/     | f/   | 15   | 14     | f/      | 299   | 350   | 284     | f/      | 878   | 1124   | 897     |
| 381 Fabricated metal products                   | 1462g/ | 1789 | 1851 | 2245   | 4934g/  | 3538  | 4156  | 6825    | 6654g/  | 5622  | 5929   | 9594    |
| 3811 Cutlery, hand tools and general hardware   |        | 74   | 78   |        |         | 15    | 35    |         |         | 23    | 57     |         |
| 3812 Furniture and fixtures primarily of metal  |        | 31   | 39   |        |         | 211   | 400   |         |         | 402   | 548    |         |
| 3813 Structural metal products                  |        | 1352 | 1410 |        |         | 2086  | 2458  |         |         | 3295  | 3299   |         |
| 3819 Other fabricated metal products            |        | 332  | 324  |        |         | 1226  | 1265  |         |         | 1902  | 2025   |         |
| 382 Non-electrical machinery                    | g/     | 59   | 61   | 65     | g/      | 792   | 1171  | 1599    | g/      | 1424  | 2163   | 2687    |
| 3821 Engines and turbines                       |        |      |      |        |         |       |       |         |         |       |        |         |
| 3822 Agricultural machinery and equipment       |        | 16h/ | 18h/ |        |         | 133h/ | 134h/ |         |         | 195h/ | 178h/  |         |
| 3823 Metal and wood working machinery           |        | h/   | h/   |        |         | h/    | h/    |         |         | h/    | h/     |         |
| 3824 Other special industrial machinery         |        | h/   | h/   |        |         | h/    | h/    |         |         | h/    | h/     |         |
| 3825 Office, computing and accounting machinery |        |      |      |        |         |       |       |         |         |       |        |         |
| 3829 Other non-electrical machinery & equipment |        | 43   | 43   |        |         | 659   | 1037  |         |         | 1229  | 1985   |         |
| 383 Electrical machinery                        | 12     | 13   | 14   | 9      | 404     | 665   | 526   | 656     | 552     | 1367  | 1258   | 1268    |
| 3831 Electrical industrial machinery            |        | 4    | 4    |        |         | 168   | 85    |         |         | 327   | 196    |         |
| 3832 Radio, television and communication equipm |        |      |      |        |         |       |       |         |         |       |        |         |
| 3833 Electrical appliances and housewares       |        |      |      |        |         |       |       |         |         |       |        |         |
| 3839 Other electrical apparatus and supplies    |        | 9    | 10   |        |         | 497   | 441   |         |         | 1040  | 1062   |         |
| 384 Transport equipment                         | 4      | 17   | 20   | 21     | 78      | 98    | 271   | 178     | 136     | 177   | 258    | 285     |
| 3841 Shipbuilding and repairing                 |        |      |      |        |         |       |       |         |         |       |        |         |
| 3842 Railroad equipment                         |        |      |      |        |         |       |       |         |         |       |        |         |
| 3843 Motor vehicles                             |        | 17   | 20   |        |         | 98    | 271   |         |         | 177   | 258    |         |
| 3844 Motorcycles and bicycles                   |        |      |      |        |         |       |       |         |         |       |        |         |
| 3845 Aircraft                                   |        |      |      |        |         |       |       |         |         |       |        |         |
| 3849 Other transport equipment                  |        |      |      |        |         |       |       |         |         |       |        |         |
| 385 Professional and scientific equipment       |        | 4    | 2    | 3      |         | 246   | 192   | 242     |         | 407   | 325    | 516     |
| 3851 Prof and scientific equipment n e c        |        |      |      |        |         |       |       |         |         |       |        |         |
| 3852 Photographic and optical goods             |        |      |      |        |         |       |       |         |         |       |        |         |
| 3853 Watches and clocks                         |        |      |      |        |         |       |       |         |         |       |        |         |
| 390 Other manufacturing industries              | 3216i/ | 43   | 42   | 38     | 4585i/  | 163   | 173   | 100     | 3172i/  | 276   | 259    | 127     |
| 3901 Jewellery and related articles             |        |      |      |        |         |       |       |         |         |       |        |         |
| 3902 Musical instruments                        |        |      |      |        |         |       |       |         |         |       |        |         |
| 3903 Sporting and athletic goods                |        |      |      |        |         |       |       |         |         |       |        |         |
| 3909 Manufacturing industries, n e c            |        |      |      |        |         |       |       |         |         |       |        |         |
| 3 Total manufacturing                           | 9077j/ | 9119 | 9386 | 11581  | 41882j/ | 44262 | 51417 | 64361   | 71381j/ | 73404 | 106348 | 136411  |

a/ 3131 includes 3132 and 3133

c/ 351 includes 352

e/ 361 includes 362

g/ 381 includes 382

i/ Including repair services, bakeries in rural areas and manufacture-repair activities

b/ 331 includes 332

d/ 361 includes 362 and 369

f/ 371 includes 372

h/ 3822 includes 3823 and 3824

j/ Including repair services for the general public

## Jordan

## Output in producers' prices

(thousand DINARS)

| ISIC Industry                                    | Note | 1985    | 1990   | 1991   | 1992   |
|--|------|---------|--------|--------|--------|
| 311:2 Food Products                              |      | 84533   | 145551 | 160990 | 147200 |
| 3111 Slaughtering, preparing & preserving meat   |      |         | 2411   | 2798   |        |
| 3112 Dairy products                              |      |         | 18908  | 20784  |        |
| 3113 Canning, preserving of fruits & vegetables  |      |         | 13855  | 9468   |        |
| 3114 Canning, preserving and processing of fish  |      |         | -      | -      |        |
| 3115 Vegetable and animal oils and fats          |      |         | 12144  | 18511  |        |
| 3116 Grain mill products                         |      |         | 27983  | 29940  |        |
| 3117 Bakery products                             |      |         | 37886  | 42518  |        |
| 3118 Sugar factories and refineries              |      |         | -      | -      |        |
| 3119 Cocoa, chocolate and sugar confectionery    |      |         | 10345  | 12284  |        |
| 3121 Other food products                         |      |         | 6729   | 10769  |        |
| 3122 Prepared animal feeds                       |      |         | 15290  | 13918  |        |
| 313 Beverages                                    |      | 18659   | 32573  | 36928  | 14277  |
| 3131 Distilling, rectifying and blending spirits |      |         | 8735b/ | 8542b/ |        |
| 3132 Wine industries                             |      |         | b/     | b/     |        |
| 3133 Malt liquors and malt                       |      |         | b/     | b/     |        |
| 3134 Soft drinks and carbonated waters           |      |         | 23838  | 28386  |        |
| 314 Tobacco                                      |      | 46854   | 61382  | 66346  | 10026  |
| 321 Textiles                                     |      | 15087   | 30413  | 37056  | 27848  |
| 3211 Spinning, weaving and finishing textiles    |      |         | 23378  | 22104  |        |
| 3212 Made up textile goods excl. wearing apparel |      |         | 2335   | 3247   |        |
| 3213 Knitting mills                              |      |         | 3197   | 5927   |        |
| 3214 Carpets and rugs                            |      |         | 1503   | 5778   |        |
| 3215 Cordage, rope and twine                     |      |         | -      | -      |        |
| 3219 Other textiles                              |      |         | -      | -      |        |
| 322 Wearing apparel, except footwear             |      | 10811   | 17527  | 22368  | 12479  |
| 323 Leather and fur products                     |      | 1513    | 5270   | 9784   | 8546   |
| 3231 Tanneries and leather finishing             |      |         | 4596   | 8369   |        |
| 3232 Fur dressing and dyeing industries          |      |         | -      | -      |        |
| 3233 Leather prods. excl. wearing apparel        |      |         | 674    | 1415   |        |
| 324 Footwear, except rubber or plastic           |      | 5713    | 5256   | 6041   | 4935   |
| 331 Wood products, except furniture              |      | 25795c/ | 6684   | 9300   | 7106   |
| 3311 Sawmills, planing and other wood mills      |      |         | 4739   | 6877   |        |
| 3312 Wooden and cane containers                  |      |         | 1109   | 950    |        |
| 3319 Other wood and cork products                |      |         | 836    | 1473   |        |
| 332 Furniture and fixtures, excl. metal          |      | c/      | 24694  | 25847  | 19910  |
| 341 Paper and products                           |      | 15398   | 44026  | 48016  | 31377  |
| 3411 Pulp, paper and paperboard articles         |      |         | 10050  | 6156   |        |
| 3412 Containers of paper and paperboard          |      |         | 18293  | 19821  |        |
| 3419 Other pulp, paper and paperboard articles   |      |         | 15683  | 22039  |        |
| 342 Printing and publishing                      |      | 11092   | 21279  | 24807  | 22062  |
| 351 Industrial chemicals                         |      | 89342d/ | 129897 | 130114 | 241134 |
| 3511 Basic chemicals excl. fertilizers           |      |         | 22383  | 17775  |        |
| 3512 Fertilizers and pesticides                  |      |         | 94150  | 100354 |        |
| 3513 Synthetic resins and plastic materials      |      |         | 13364  | 11985  |        |
| 352 Other chemicals                              |      | d/      | 106774 | 120623 | 105758 |
| 3521 Paints, varnishes and lacquers              |      |         | 14500  | 14511  |        |
| 3522 Drugs and medicines                         |      |         | 48777  | 50615  |        |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      |         | 38076  | 49652  |        |
| 3529 Other chemical products                     |      |         | 5421   | 5745   |        |
| 353 Petroleum refineries                         |      | 260247  | 276492 | 274553 | 321748 |

## Value added in producers' prices

(thousand DINARS)

| ISIC Industry                                    | Note | 1985    | 1990   | 1991   | 1992a/ | Share of value added in output (percentage) | Share of wages and salaries in value added (percentage) |
|--|------|---------|--------|--------|--------|---|---|
| 311:2 Food Products                              |      | 19006   | 38609  | 38967  | 79416  | 22.5  | 54.0  |
| 3111 Slaughtering, preparing & preserving meat   |      |         | 1179   | 1276   |        |   |   |
| 3112 Dairy products                              |      |         | 4477   | 3959   |        |   |   |
| 3113 Canning, preserving of fruits & vegetables  |      |         | 6730   | 4205   |        |   |   |
| 3114 Canning, preserving and processing of fish  |      |         | -      | -      |        |   |   |
| 3115 Vegetable and animal oils and fats          |      |         | 4303   | 5455   |        |   |   |
| 3116 Grain mill products                         |      |         | 4132   | 4110   |        |   |   |
| 3117 Bakery products                             |      |         | 12548  | 12870  |        |   |   |
| 3118 Sugar factories and refineries              |      |         | -      | -      |        |   |   |
| 3119 Cocoa, chocolate and sugar confectionery    |      |         | 2339   | 2949   |        |   |   |
| 3121 Other food products                         |      |         | 1242   | 2295   |        |   |   |
| 3122 Prepared animal feeds                       |      |         | 1659   | 1848   |        |   |   |
| 313 Beverages                                    |      | 10474   | 18854  | 20194  | 15755  | 56.1  | 18.2  |
| 3131 Distilling, rectifying and blending spirits |      |         | 5747b/ | 5437b/ |        |   |   |
| 3132 Wine industries                             |      |         | b/     | b/     |        |   |   |
| 3133 Malt liquors and malt                       |      |         | b/     | b/     |        |   |   |
| 3134 Soft drinks and carbonated waters           |      |         | 13107  | 14757  |        |   |   |
| 314 Tobacco                                      |      | 36066   | 50080  | 53186  | 1480   | 77.0  | 14.8  |
| 321 Textiles                                     |      | 5697    | 12960  | 14326  | 18142  | 37.8  | 65.1  |
| 3211 Spinning, weaving and finishing textiles    |      |         | 10412  | 8938   |        |   |   |
| 3212 Made up textile goods excl. wearing apparel |      |         | 820    | 800    |        |   |   |
| 3213 Knitting mills                              |      |         | 995    | 2222   |        |   |   |
| 3214 Carpets and rugs                            |      |         | 732    | 2366   |        |   |   |
| 3215 Cordage, rope and twine                     |      |         | -      | -      |        |   |   |
| 3219 Other textiles                              |      |         | -      | -      |        |   |   |
| 322 Wearing apparel, except footwear             |      | 3755    | 8571   | 9958   | 7178   | 34.7  | 57.5  |
| 323 Leather and fur products                     |      | 431     | 747    | 2421   | 1429   | 28.5  | 16.7  |
| 3231 Tanneries and leather finishing             |      |         | 637    | 1786   |        |   |   |
| 3232 Fur dressing and dyeing industries          |      |         | -      | -      |        |   |   |
| 3233 Leather prods. excl. wearing apparel        |      |         | 210    | 635    |        |   |   |
| 324 Footwear, except rubber or plastic           |      | 3102    | 2200   | 2205   | 2047   | 54.3  | 41.5  |
| 331 Wood products, except furniture              |      | 7111c/  | 2607   | 3331   | 7986   | 27.6  | 65.3  |
| 3311 Sawmills, planing and other wood mills      |      |         | 1876   | 2779   |        |   |   |
| 3312 Wooden and cane containers                  |      |         | 316    | 266    |        |   |   |
| 3319 Other wood and cork products                |      |         | 415    | 286    |        |   |   |
| 332 Furniture and fixtures, excl. metal          |      | c/      | 9143   | 9977   | 17207  |   | 86.4  |
| 341 Paper and products                           |      | 3507    | 13404  | 14958  | 17310  | 22.8  | 55.2  |
| 3411 Pulp, paper and paperboard articles         |      |         | 2812   | 1138   |        |   |   |
| 3412 Containers of paper and paperboard          |      |         | 7392   | 6565   |        |   |   |
| 3419 Other pulp, paper and paperboard articles   |      |         | 3200   | 7255   |        |   |   |
| 342 Printing and publishing                      |      | 4272    | 7969   | 9600   | 19676  | 38.5  | 89.2  |
| 351 Industrial chemicals                         |      | 16327d/ | 29319  | 33072  | 30992  | 18.3  | 12.9  |
| 3511 Basic chemicals excl. fertilizers           |      |         | 5762   | 6198   |        |   |   |
| 3512 Fertilizers and pesticides                  |      |         | 19795  | 23831  |        |   |   |
| 3513 Synthetic resins and plastic materials      |      |         | 3762   | 3043   |        |   |   |
| 352 Other chemicals                              |      | d/      | 27971  | 36373  | 60392  | 57.1  | 22.5  |
| 3521 Paints, varnishes and lacquers              |      |         | 2220   | 1896   |        |   |   |
| 3522 Drugs and medicines                         |      |         | 17662  | 21001  |        |   |   |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      |         | 6907   | 11975  |        |   |   |
| 3529 Other chemical products                     |      |         | 1282   | 1501   |        |   |   |
| 353 Petroleum refineries                         |      | 34146   | 36213  | 35083  | 26199  | 13.1  | 8.1   |

|   |          |         |         |         |          |        |        |          |      |      |      |      |
|---|----------|---------|---------|---------|----------|--------|--------|----------|------|------|------|------|
| 354 Misc petroleum and coal products            |          |         |         |         |          |        |        |          |      |      |      |      |
| 355 Rubber products                             | 20       | 3426    | 2261    | 436     | 14       | 724    | 471    | 2227     | 70 0 |      | 14 3 | 6 7  |
| 3551 Tyres and tubes                            |          |         |         |         |          |        |        |          |      |      |      |      |
| 3559 Other rubber products                      |          |         |         |         |          |        |        |          |      |      |      |      |
| 356 Plastic products                            | 17737    | 42649   | 48277   | 40661   | 5029     | 11244  | 13181  | 26620    | 28 4 | 65 5 | 47 2 | 21 9 |
| 361 Pottery, china, earthenware                 | 89758e/  | 5173    | 6600    | 88822e/ | 50400e/  | 2185   | 3408   | 205064e/ | 56 2 |      | 21 1 | 9 9  |
| 362 Glass and products                          | e/       | 7642    | 6254    | e/      | e/       | 2151   | 1608   | e/       |      |      |      |      |
| 369 Other non-metallic mineral products         | e/       | 105134  | 129797  | e/      | e/       | 56279  | 58627  | e/       |      |      |      |      |
| 3691 Structural clay products                   |          |         |         |         |          |        |        |          |      |      |      |      |
| 3692 Cement, lime and plaster                   |          | 78362   | 90288   |         |          | 45254  | 43407  |          |      |      |      |      |
| 3699 Other non-metallic mineral products        |          | 26772   | 39509   |         |          | 11025  | 15220  |          |      |      |      |      |
| 371 Iron and steel                              | 35794f/  | 58124   | 71448   | 64523   | 4785f/   | 16126  | 16069  | 10900    | 13 4 | 16 9 | 39 1 | 25 0 |
| 372 Non-ferrous metals                          | f/       | 13283   | 17023   | 14875   | f/       | 5873   | 4984   | 2755     |      | 15 2 |      | 39 8 |
| 381 Fabricated metal products                   | 42483g/  | 39330   | 46489   | 57259   | 13709g/  | 15416  | 14811  | 38169    | 32 3 | 66 6 | 48 6 | 25 1 |
| 3811 Cutlery, hand tools and general hardware   |          | 160     | 661     |         |          | 105    | 118    |          |      |      |      |      |
| 3812 Furniture and fixtures primarily of metal  |          | 2766    | 3862    |         |          | 812    | 1074   |          |      |      |      |      |
| 3813 Structural metal products                  |          | 22314   | 24736   |         |          | 8827   | 7937   |          |      |      |      |      |
| 3819 Other fabricated metal products            |          | 14090   | 17270   |         |          | 5672   | 5682   |          |      |      |      |      |
| 382 Non-electrical machinery                    | g/       | 14626   | 20829   | 15819   | g/       | 6259   | 8514   | 11412    |      | 67 9 |      | 25 3 |
| 3821 Engines and turbines                       |          |         |         |         |          |        |        |          |      |      |      |      |
| 3822 Agricultural machinery and equipment       |          | 1620h/  | 1161h/  |         |          | 586h/  | 492h/  |          |      |      |      |      |
| 3823 Metal and wood working machinery           |          | h/      | h/      |         |          | h/     | h/     |          |      |      |      |      |
| 3824 Other special industrial machinery         |          | h/      | h/      |         |          | h/     | h/     |          |      |      |      |      |
| 3825 Office, computing and accounting machinery |          |         |         |         |          |        |        |          |      |      |      |      |
| 3829 Other non-electrical machinery & equipment |          | 13006   | 19668   |         |          | 5673   | 8022   |          |      |      |      |      |
| 383 Electrical machinery                        | 2022     | 21149   | 19749   | 9510    | 980      | 7624   | 7388   | 6579     | 48 5 | 69 2 | 56 3 | 19 3 |
| 3831 Electrical industrial machinery            |          | 2964    | 3367    |         |          | 691    | 412    |          |      |      |      |      |
| 3832 Radio, television and communication equipm |          |         |         |         |          |        |        |          |      |      |      |      |
| 3833 Electrical appliances and housewares       |          |         |         |         |          |        |        |          |      |      |      |      |
| 3839 Other electrical apparatus and supplies    |          | 18185   | 16382   |         |          | 6933   | 6976   |          |      |      |      |      |
| 384 Transport equipment                         | 500      | 1552    | 1841    | 1561    | 348      | 463    | 183    | 1872     | 69 6 |      | 38 8 | 15 2 |
| 3841 Shipbuilding and repairing                 |          |         |         |         |          |        |        |          |      |      |      |      |
| 3842 Railroad equipment                         |          |         |         |         |          |        |        |          |      |      |      |      |
| 3843 Motor vehicles                             |          | 1552    | 1841    |         |          | 463    | 183    |          |      |      |      |      |
| 3844 Motorcycles and bicycles                   |          |         |         |         |          |        |        |          |      |      |      |      |
| 3845 Aircraft                                   |          |         |         |         |          |        |        |          |      |      |      |      |
| 3849 Other transport equipment                  |          |         |         |         |          |        |        |          |      |      |      |      |
| 385 Professional and scientific equipment       |          | 3285    | 2635    | 1464    |          | 1281   | 1307   | 3957     |      |      |      | 13 0 |
| 3851 Prof. and scientific equipment n e c       |          |         |         |         |          |        |        |          |      |      |      |      |
| 3852 Photographic and optical goods             |          |         |         |         |          |        |        |          |      |      |      |      |
| 3853 Watches and clocks                         |          |         |         |         |          |        |        |          |      |      |      |      |
| 390 Other manufacturing industries              | 13455i/  | 2577    | 1061    | 615     | 9239i/   | 1005   | 426    | 1047     | 68 7 |      | 34 3 | 12 1 |
| 3901 Jewellery and related articles             |          |         |         |         |          |        |        |          |      |      |      |      |
| 3902 Musical instruments                        |          |         |         |         |          |        |        |          |      |      |      |      |
| 3903 Sporting and athletic goods                |          |         |         |         |          |        |        |          |      |      |      |      |
| 3909 Manufacturing industries, n e c            |          |         |         |         |          |        |        |          |      |      |      |      |
| 3 Total manufacturing                           | 786813j/ | 1225768 | 1347037 | 1270949 | 228397j/ | 385281 | 414628 | 615300   | 29 0 | 48 4 | 31 3 | 22 0 |

a/ Value added in factor values

c/ 331 includes 332

e/ 361 includes 362 and 369

g/ 381 includes 382

i/ Including repair services, bakeries in rural areas and manufacture-repair activities

b/ 3131 includes 3132 and 3133

d/ 351 includes 352

f/ 371 includes 372

h/ 3822 includes 3823 and 3824

j/ Including repair services for the general public

## Jordan

| ISIC Industry                             | Note | Gross fixed capital formation |          |         |        | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |
|---|------|-------------------------------|----------|---------|--------|------|--|------|------|------|------|------|------|------|------|
|   |      | (thousand DINARS)             |          |         |        |      | (1980=100)                             |      |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990     | 1991    | 1992   |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      | 41553                         | 67623    | 64133   | 825    |      | 128                                    | 133  | 92   | 96   | 110  | 106  | 111  | 93   | 152  |
| 313 Beverages                             |      | 19595                         | 20007    | 13760   | 1000   |      | 93                                     | 75   | 65   | 69   | 75   | 77   | 81   | 94   | 108  |
| 314 Tobacco                               |      | 1866                          | 1006     | 1219    | -1229  |      |  |      |      |      |      |      |      |      |      |
| 321 Textiles                              |      | 7246                          | 9277     | 12989   | 1975   | a/   | 112                                    | 149  | 132  | 149  | 156  | 133  | 142  | 123  | 106  |
| 322 Wearing apparel, except footwear      |      | 3183                          | 4952     | 5263    | 91     | a/   |  |      |      |      |      |      |      |      |      |
| 323 Leather and fur products              |      | 894                           | 3062     | 2008    | -176   |      |  |      |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      | 1202                          | 1663     | 1286    | -14    |      |  |      |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      | 13017b/                       | 12391b/  | 14614b/ | 281    | b/   | 81                                     | 77   | 39   | 22   | 51   | 61   | 45   | 22   | 33   |
| 332 Furniture and fixtures, excl metal    |      | b/                            | b/       | h/      | 103    | b/   |  |      |      |      |      |      |      |      |      |
| 341 Paper and product                     |      | 11013                         | 19663    | 26811   | -1553  |      | 176                                    | 218  | 186  | 268  | 227  | 287  | 300  | 279  | 272  |
| 342 Printing and publishing               |      | 7411                          | 10269    | 12966   | 3156   |      |  |      |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      | 138759c/                      | 45824    | 41355   | -8705  | c/   | 146                                    | 140  | 164  | 172  | 146  | 202  | 206  | 185  | 166  |
| 352 Other chemicals                       |      | c/                            | 35046    | 37446   | 6401   | c/   |  |      |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      | 54337                         | 25382    | 20986   | 4028   |      | 137                                    | 133  | 127  | 132  | 130  | 133  | 147  | 133  | 160  |
| 354 Misc. petroleum and coal products     |      |                               |          |         |        |      |  |      |      |      |      |      |      |      |      |
| 355 Rubber products                       |      | 16                            | 1417     | 783     | 11     |      |  |      |      |      |      |      |      |      |      |
| 356 Plastic products                      |      | 14473                         | 19500    | 23752   | 456    |      | 93                                     | 90   | 115  | 109  | 123  | 94   | 104  | 114  | 134  |
| 361 Pottery, china, earthenware           |      | 224994d/                      | 202194d/ | 8225    | 4357d/ |      |  |      |      |      |      |      |      |      |      |
| 362 Glass and products                    |      | d/                            | d/       | 11319   | d/     |      |  |      |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      | d/                            | d/       | 186462  | d/     |      | 222                                    | 222  | 197  | 260  | 195  | 212  | 338  | 333  | 333  |
| 371 Iron and steel                        |      | 17270e/                       | 12567e/  | 9817    | 6143   |      | 130                                    | 155  | 162  | 171  | 162  | 138  | 137  | 153  | 183  |
| 372 Non-ferrous metals                    |      | e/                            | e/       | 6530    | -1669  |      |  |      |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      | 22245f/                       | 24771    | 23848   | -418   |      |  |      |      |      |      |      |      |      |      |
| 382 Non-electrical machinery              |      | f/                            | 6201     | 7795    | 3194   |      |  |      |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      | 3706                          | 6364     | 6004    | -92    |      |  |      |      |      |      |      |      |      |      |
| 384 Transport equipment                   |      | 870                           | 1797     | 1858    | 61     |      |  |      |      |      |      |      |      |      |      |
| 385 Professional and scientific equipment |      |                               | 2946     | 1873    | -58    |      |  |      |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      | 5985g/                        | 1217     | 1366    | -2     |      |  |      |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      | 589635h/                      | 535139   | 544468  | 18166  |      |  |      |      |      |      |      |      |      |      |

a/ 321 includes 322

c/ 351 includes 352

e/ 371 includes 372

g/ Including repair services, bakeries in rural areas and manufacture-repair activities

b/ 331 includes 332

d/ 361 includes 362 and 369

f/ 381 includes 382

h/ Including repair services for the general public

## KENYA

**Supplier of information:**

Central Bureau of Statistics, Ministry of Planning and National Development, Nairobi.

**Basic source of data:**

Annual survey of industrial production and a census of industrial production, conducted every 5 years.

**Major deviations from current version of ISIC:**

Manufacture of metal furniture and fixtures (part of ISIC 381) is classified under ISIC 332 and the estimates for ISIC 384 include repair of motor vehicles (part of ISIC major division 9).

**Reference period (if not calendar year):****Scope:**

All establishments with 20 or more persons engaged.

**Method of enumeration:**

The survey covers establishments with 20-49 persons engaged based on 25 percent sample and total coverage of establishments with 50 or more persons engaged.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

Number of employees refers to the average of the numbers at the beginning and end of the year. Wages and salaries includes employers' contributions to pension, health and other similar schemes.

Output refers to gross output in factor values. It is not adjusted for the cost of goods sold in the same condition as received.

Value added is also in factor values.

**Related national publications:**

Statistical Abstract (annual), published by the Central Bureau of Statistics, Ministry of Economic Planning and Development, Nairobi.

## Kenya

| ISIC Industry                                    | Note | Number of establishments<br>(numbers) |      |      |      | Note | Number of employees<br>(numbers) |       |       |       | Note | Wages and salaries paid<br>to employees<br>(thousand POUNDS) |         |         |      |
|--|------|---------------------------------------|------|------|------|------|----------------------------------|-------|-------|-------|------|--|---------|---------|------|
|  |      | 1985                                  | 1990 | 1991 | 1992 |      | 1985                             | 1990  | 1991  | 1992  |      | 1985   | 1990    | 1991    | 1992 |
| 311/2 Food Products                              |      | 132                                   | 145  | 152  | 153  |      | 41897                            | 51511 | 53561 | 58691 |      | 55016  | 94907   | 75462   |      |
| 3111 Slaughtering, preparing & preserving meat   |      |                                       |      |      |      |      | 2851                             | 3545  | 3620  |       |      |  |         |         |      |
| 3112 Dairy products                              |      |                                       |      |      |      |      | 2953                             | 4101  | 4112  |       |      |  |         |         |      |
| 3113 Canning, preserving of fruits & vegetables  |      |                                       |      |      |      |      | 2911                             | 3945  | 4096  |       |      |  |         |         |      |
| 3114 Canning, preserving and processing of fish  |      |                                       |      |      |      |      | 28                               | 136   | 198   |       |      |  |         |         |      |
| 3115 Vegetable and animal oils and fats          |      |                                       |      |      |      |      | 1154                             | 1411  | 1539  |       |      |  |         |         |      |
| 3116 Grain mill products                         |      |                                       |      |      |      |      | 4477                             | 4320  | 4389  |       |      |  |         |         |      |
| 3117 Bakery products                             |      |                                       |      |      |      |      | 3390                             | 2203  | 2286  |       |      |  |         |         |      |
| 3118 Sugar factories and refineries              |      |                                       |      |      |      |      | 9865                             | 12585 | 12618 |       |      |  |         |         |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      |                                       |      |      |      |      | 595                              | 604   | 648   |       |      |  |         |         |      |
| 3121 Other food products                         |      |                                       |      |      |      |      | 13306                            | 17893 | 19281 |       |      |  |         |         |      |
| 3122 Prepared animal feeds                       |      |                                       |      |      |      |      | 367                              | 768   | 774   |       |      |  |         |         |      |
| 313 Beverages                                    | a/   | 22                                    | 23   | 24   | 24   | a/   | 7592                             | 7649  | 7895  | 7907  |      | 20269a/  | 34970a/ | 30520a/ |      |
| 3131 Distilling, rectifying and blending spirits |      |                                       |      |      |      |      |                                  |       |       |       |      |  |         |         |      |
| 3132 Wine industries                             |      |                                       |      |      |      |      |                                  |       |       |       |      |  |         |         |      |
| 3133 Malt liquors and malt                       |      |                                       |      |      |      |      |                                  |       |       |       |      |  |         |         |      |
| 3134 Soft drinks and carbonated waters           |      |                                       |      |      |      |      |                                  | 2269  | 2267  |       |      |  |         |         |      |
| 314 Tobacco                                      | a/   |                                       |      |      |      | a/   |                                  |       |       |       |      | a/   | a/      | a/      |      |
| 321 Textiles                                     |      | 47                                    | 58   | 58   | 58   |      | 21773                            | 25104 | 24441 | 24205 |      | 18060  | 35766   | 34694   |      |
| 3211 Spinning, weaving and finishing textiles    |      |                                       |      |      |      |      | 13514                            | 13295 | 12506 |       |      |  |         |         |      |
| 3212 Made-up textile goods excl. wearing apparel |      |                                       |      |      |      |      | 1071                             | 2582  | 2600  |       |      |  |         |         |      |
| 3213 Knitting mills                              |      |                                       |      |      |      |      | 4878                             | 7130  | 7220  |       |      |  |         |         |      |
| 3214 Carpets and rugs                            |      |                                       |      |      |      |      |                                  |       |       |       |      |  |         |         |      |
| 3215 Cordage, rope and twine                     |      |                                       |      |      |      |      | 2310                             | 2097  | 2115  |       |      |  |         |         |      |
| 3219 Other textiles                              |      |                                       |      |      |      |      |                                  |       |       |       |      |  |         |         |      |
| 322 Wearing apparel, except footwear             |      | 43                                    | 76   | 76   | 77   |      | 7682                             | 6868  | 6931  | 6433  |      | 7706   | 8700    | 8314    |      |
| 323 Leather and fur products                     |      | 6                                     | 14   | 15   | 15   |      | 1204                             | 1442  | 1451  | 1542  |      | 3695b/   | 7844b/  | 2531    |      |
| 3231 Tanneries and leather finishing             |      |                                       |      |      |      |      | 812                              | 1130  | 1140  |       |      |  |         |         |      |
| 3232 Fur dressing and dyeing industries          |      |                                       |      |      |      |      |                                  |       |       |       |      |  |         |         |      |
| 3233 Leather prods. excl. wearing apparel        |      |                                       |      |      |      |      | 392                              | 312   | 311   |       |      |  |         |         |      |
| 324 Footwear, except rubber or plastic           |      | 1                                     | 3    | 3    | 3    |      | 1988                             | 2378  | 2290  | 2261  |      | b/   | b/      | 4409    |      |
| 331 Wood products, except furniture              |      | 57                                    | 38   | 40   | 43   |      | 8522                             | 8648  | 8626  | 8547  |      | 6662   | 10985   | 9636    |      |
| 3311 Sawmills, planing and other wood mills      |      |                                       |      |      |      |      | 8270                             | 8494  | 8477  |       |      |  |         |         |      |
| 3312 Wooden and cane containers                  |      |                                       |      |      |      |      | 25                               | 23    | 22    |       |      |  |         |         |      |
| 3319 Other wood and cork products                |      |                                       |      |      |      |      | 227                              | 131   | 127   |       |      |  |         |         |      |
| 332 Furniture and fixtures, excl. metal          | c/   | 20                                    | 34   | 28   | 22   | c/   | 3769                             | 3898  | 3745  | 3759  | c/   | 3094   | 5087    | 7941    |      |
| 341 Paper and products                           |      | 20                                    | 21   | 21   | 21   |      | 4790                             | 7142  | 7196  | 7232  |      | 6759   | 16595   | 15548   |      |
| 3411 Pulp, paper and paperboard articles         |      |                                       |      |      |      |      | 1690                             | 3632  | 3639  |       |      |  |         |         |      |
| 3412 Containers of paper and paperboard          |      |                                       |      |      |      |      |                                  |       |       |       |      |  |         |         |      |
| 3419 Other pulp, paper and paperboard articles   |      |                                       |      |      |      |      | 3100                             | 3510  | 3557  |       |      |  |         |         |      |
| 342 Printing and publishing                      |      | 23                                    | 21   | 21   | 21   |      | 5188                             | 5992  | 5870  | 5574  |      | 8141   | 15579   | 16957   |      |
| 351 Industrial chemicals                         |      | 12                                    | 10   | 11   | 11   |      | 3297                             | 3557  | 3485  | 3581  |      | 6479   | 9202    | 8331    |      |
| 3511 Basic chemicals excl. fertilizers           |      |                                       |      |      |      |      | 2372                             | 2531  | 2480  |       |      |  |         |         |      |
| 3512 Fertilizers and pesticides                  |      |                                       |      |      |      |      | 925                              | 1026  | 1005  |       |      |  |         |         |      |
| 3513 Synthetic resins and plastic materials      |      |                                       |      |      |      |      |                                  |       |       |       |      |  |         |         |      |
| 352 Other chemicals                              |      | 36                                    | 39   | 39   | 39   |      | 7103                             | 8653  | 8720  | 8962  |      | 26494d/  | 51973d/ | 31631   |      |
| 3521 Paints, varnishes and lacquers              |      |                                       |      |      |      |      | 718                              | 795   | 829   |       |      |  |         |         |      |
| 3522 Drugs and medicines                         |      |                                       |      |      |      |      | 1892                             | 1774  | 1691  |       |      |  |         |         |      |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      |                                       |      |      |      |      | 2957                             | 4014  | 4039  |       |      |  |         |         |      |
| 3529 Other chemical products                     |      |                                       |      |      |      |      | 1536                             | 2080  | 2161  |       |      |  |         |         |      |
| 353 Petroleum refineries                         |      | 1                                     | 1    | 1    | 1    |      | 321                              | 264   | 264   | 264   |      | d/   | d/      | 2394    |      |



|   |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
|---|-----|-----|-----|-----|--------|--------|--------|--------|--------|--------|-------|----------|-------|-------|
| 354 Misc petroleum and coal products            | -   | -   | -   | -   | -      | -      | -      | -      | -      | -      | -     | -        |       |       |
| 355 Rubber products                             | 7   | 3   | 3   | 3   | 1937   | 2202   | 2306   | 2296   | 7480   | 12232  | 8197  |          |       |       |
| 3551 Tyres and tubes                            |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
| 3559 Other rubber products                      |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
| 356 Plastic products                            | 17  | 16  | 16  | 16  | 2087   | 3420   | 3587   | 3897   | 5019   | 12519  | 6516  |          |       |       |
| 351 Pottery, china, earthenware                 | 1   | 3   | 3   | 3   | 219    | 209    | 230    | 240    | 3203e/ | 2519e/ | 442   |          |       |       |
| 362 Glass and products                          | 1   | 2   | 2   | 2   | 1266   | 1436   | 1443   | 1450   | e/     | e/     | 2791  |          |       |       |
| 369 Other non-metallic mineral products         | 14  | 15  | 15  | 13  | 4888   | 5403   | 5467   | 5639   | 8437   | 21918  | 17316 |          |       |       |
| 3691 Structural clay products                   |     |     |     |     | 694    | 794    | 852    |        |        |        |       |          |       |       |
| 3692 Cement, lime and plaster                   |     |     |     |     | 3179   | 3391   | 3427   |        |        |        |       |          |       |       |
| 3699 Other non-metallic mineral products        |     |     |     |     | 1116   | 1218   | 1188   |        |        |        |       |          |       |       |
| 371 Iron and steel                              | f/  | 14  | 12  | 12  | 12     | f/     | 2186   | 5337   | 5507   | 5600   |       | 9963f/g/ |       |       |
| 372 Non-ferrous metals                          | f/  |     |     |     |        | f/     |        |        |        |        |       | f/       |       |       |
| 381 Fabricated metal products                   | c/  | 43  | 49  | 50  | 56     | c/     | 9876   | 11850  | 11888  | 11976  | c/    | 11525    | 33185 | 26119 |
| 3811 Cutlery, hand tools and general hardware   |     |     |     |     |        |        | 832    | 882    | 809    |        |       |          |       |       |
| 3812 Furniture and fixtures primarily of metal  |     |     |     |     |        |        | 726    | 852    | 871    |        |       |          |       |       |
| 3813 Structural metal products                  |     |     |     |     |        |        | 2286   | 3197   | 3237   |        |       |          |       |       |
| 3819 Other fabricated metal products            |     |     |     |     |        |        | 6032   | 6919   | 6971   |        |       |          |       |       |
| 382 Non-electrical machinery                    | 6   | 3   | 3   | 3   | 1349   | 1489   | 1477   | 1479   | 2073   | 2820   | 2686  |          |       |       |
| 3821 Engines and turbines                       |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
| 3822 Agricultural machinery and equipment       |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
| 3823 Metal and wood working machinery           |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
| 3824 Other special industrial machinery         |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
| 3825 Office, computing and accounting machinery |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
| 3829 Other non-electrical machinery & equipment |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
| 383 Electrical machinery                        | 11  | 5   | 5   | 5   | 2232   | 2369   | 2591   | 2771   | 13980  | 23120  | 8872  |          |       |       |
| 3831 Electrical industrial machinery            |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
| 3832 Radio, television and communication equipm |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
| 3833 Electrical appliances and housewares       |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
| 3839 Other electrical apparatus and supplies    |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
| 384 Transport equipment                         | 55  | 21  | 21  | 21  | 15477  | 17079  | 16363  | 16140  | 20573  | 28917  | 39189 |          |       |       |
| 3841 Shipbuilding and repairing                 |     |     |     |     | 465    | 468    | 506    |        |        |        |       |          |       |       |
| 3842 Railroad equipment                         |     |     |     |     | 11013  | 12890  | 12209  |        |        |        |       |          |       |       |
| 3843 Motor vehicles                             |     |     |     |     | 2923   | 3591   | 3496   |        |        |        |       |          |       |       |
| 3844 Motorcycles and bicycles                   |     |     |     |     | 58     | 2      | 2      |        |        |        |       |          |       |       |
| 3845 Aircraft                                   |     |     |     |     | 218    | 128    | 150    |        |        |        |       |          |       |       |
| 3849 Other transport equipment                  |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
| 385 Professional and scientific equipment       | 1   | 1   | 2   | 2   | 154    | 181    | 214    | 223    | 3069h/ | 9075h/ | 336   |          |       |       |
| 3851 Prof and scientific equipment n e c        |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
| 3852 Photographic and optical goods             |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
| 3853 Watches and clocks                         |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
| 390 Other manufacturing industries              | 10  | 7   | 7   | 7   | 1954   | 3592   | 3325   | 3423   | h/     | h/     | 5927  |          |       |       |
| 3901 Jewellery and related articles             |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
| 3902 Musical instruments                        |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
| 3903 Sporting and athletic goods                |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
| 3909 Manufacturing industries, n e c            |     |     |     |     |        |        |        |        |        |        |       |          |       |       |
| 3 Total manufacturing                           | 600 | 620 | 628 | 628 | 158751 | 187683 | 188873 | 194092 |        |        |       | 376711   |       |       |

a/ 313 includes 314

c/ 332 includes metal furniture and fixtures

e/ 361 includes 362

g/ Value added is less than corresponding wages and salaries due to operating losses

b/ 323 includes 324

d/ 352 includes 353

f/ 371 includes 372

h/ 385 includes 390

## Kenya

| ISIC Industry                                    | Note | Output in factor values<br>(million POUNDS) |      |      |      | Note | Value added in factor values<br>(million POUNDS) |      |      |      | Share of value added in output<br>(percentage) |      | Share of wages and salaries in value added<br>(percentage) |      |
|--|------|---|------|------|------|------|--|------|------|------|--|------|--|------|
|  |      | 1985  | 1990 | 1991 | 1992 |      | 1985   | 1990 | 1991 | 1992 | 1985   | 1992 | 1985   | 1992 |
| 311/2 Food Products                              |      | 131   | 3610 | 4480 |      | 152  | 289  | 355  |      | 11.6 |  | 36.1 |  |      |
| 3111 Slaughtering, preparing & preserving meat   |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3112 Dairy products                              |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3113 Canning, preserving of fruits & vegetables  |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3114 Canning, preserving and processing of fish  |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3115 Vegetable and animal oils and fats          |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3116 Grain mill products                         |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3117 Bakery products                             |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3118 Sugar factories and refineries              |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3121 Other food products                         |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3122 Prepared animal feeds                       |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 313 Beverages                                    |      | 130   | 227  | 266  |      | 59   | 103  | 126  |      | 46.6 |  |      |  |      |
| 3131 Distilling, rectifying and blending spirits |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3132 Wine industries                             |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3133 Malt liquors and malt                       |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3134 Soft drinks and carbonated waters           |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 314 Tobacco                                      |      | 86  | 182  | 210  |      | 11   | 14   | 17   |      | 12.9 |  |      |  |      |
| 321 Textiles                                     |      | 145   | 222  | 166  |      | 33   | 63   | 72   |      | 22.6 |  | 55.2 |  |      |
| 3211 Spinning, weaving and finishing textiles    |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3212 Made-up textile goods excl. wearing apparel |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3213 Knitting mills                              |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3214 Carpets and rugs                            |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3215 Cordage, rope and twine                     |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3219 Other textiles                              |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 322 Wearing apparel, except footwear             |      | 69  | 164  | 312  |      | 15   | 18   | 21   |      | 22.4 |  | 60.0 |  |      |
| 323 Leather and fur products                     |      | 16  | 20   | 48   |      | 2    | 5  | 6    |      | 12.5 |  |      |  |      |
| 3231 Tanneries and leather finishing             |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3232 Fur dressing and dyeing industries          |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3233 Leather goods excl. wearing apparel         |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 324 Footwear, except rubber or plastic           |      | 24  | 52   | 56   |      | 5    | 16   | 11   |      | 20.8 |  |      |  |      |
| 331 Wood products, except furniture              |      | 44  | 93   | 108  |      | 14   | 19   | 22   |      | 32.5 |  | 47.2 |  |      |
| 3311 Sawmills, planing and other wood mills      |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3312 Wooden and cane containers                  |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3319 Other wood and cork products                |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 332 Furniture and fixtures, excl. metal          | a/   | 22  | 38   | 34   |      | 7    | 13   | 15   |      | 31.7 |  | 46.4 |  |      |
| 341 Paper and products                           |      | 94  | 180  | 249  |      | 19   | 48   | 54   |      | 20.6 |  | 35.1 |  |      |
| 3411 Pulp, paper and paperboard articles         |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3412 Containers of paper and paperboard          |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3419 Other pulp, paper and paperboard articles   |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 342 Printing and publishing                      |      | 55  | 86   | 99   |      | 16   | 31   | 37   |      | 28.6 |  | 62.0 |  |      |
| 351 Industrial chemicals                         |      | 92  | 176  | 184  |      | 13   | 20   | 23   |      | 14.4 |  | 48.9 |  |      |
| 3511 Basic chemicals excl. fertilizers           |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3512 Fertilizers and pesticides                  |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3513 Synthetic resins and plastic materials      |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 352 Other chemicals                              |      | 202   | 1136 | 1082 |      | 41   | 77   | 88   |      | 20.3 |  |      |  |      |
| 3521 Paints, varnishes and lacquers              |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3522 Drugs and medicines                         |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 3529 Other chemical products                     |      |   |      |      |      |      |  |      |      |      |  |      |  |      |
| 353 Petroleum refineries                         |      | 416   | 925  | 1223 |      | 5    | 8  | 10   |      | 1.2  |  |      |  |      |

|  |      |       |       |     |      |       |      |      |      |      |
|--|------|-------|-------|-----|------|-------|------|------|------|------|
| 354 Misc petroleum and coal products               | -    | -     | -     | -   | -    | -     | -    | -    | -    |      |
| 355 Rubber products                                | 64   | 156   | 182   | 22  | 38   | 44    | 34.4 | 33.9 |      |      |
| 3551 Tyres and tubes                               |      |       |       |     |      |       |      |      |      |      |
| 3559 Other rubber products                         |      |       |       |     |      |       |      |      |      |      |
| 356 Plastic products                               | 43   | 99    | 152   | 11  | 28   | 35    | 25.6 | 45.1 |      |      |
| 361 Pottery, china, earthenware                    | 1    | 2     | 2     | 1   | 1    | 1     |      |      |      |      |
| 362 Glass and products                             | 7    | 13    | 13    | 3   | 6    | 6     | 42.9 |      |      |      |
| 369 Other non-metallic mineral products            | 96   | 210   | 295   | 14  | 48   | 56    | 14.7 | 59.4 |      |      |
| 3691 Structural clay products                      |      |       |       |     |      |       |      |      |      |      |
| 3692 Cement, lime and plaster                      |      |       |       |     |      |       |      |      |      |      |
| 3699 Other non-metallic mineral products           |      |       |       |     |      |       |      |      |      |      |
| 371 Iron and steel                                 | 49b/ | 119b/ | 168b/ | 1b/ | 3b/  | 3b/c/ | 2.0  |      |      |      |
| 372 Non-ferrous metals                             | b/   | b/    | b/    | b/  | b/   | b/    |      |      |      |      |
| 381 Fabricated metal products                      | a/   | 187   | 375   | 504 | a/   | 24    | 73   | 85   | 12.8 | 48.0 |
| 3811 Cutlery, hand tools and general hardware      |      |       |       |     |      |       |      |      |      |      |
| 3812 Furniture and fixtures primarily of metal     |      |       |       |     |      |       |      |      |      |      |
| 3813 Structural metal products                     |      |       |       |     |      |       |      |      |      |      |
| 3819 Other fabricated metal products               |      |       |       |     |      |       |      |      |      |      |
| 382 Non-electrical machinery                       | 20   | 12    | 14    | 4   | 6    | 7     | 18.4 | 56.3 |      |      |
| 3821 Engines and turbines                          |      |       |       |     |      |       |      |      |      |      |
| 3822 Agricultural machinery and equipment          |      |       |       |     |      |       |      |      |      |      |
| 3823 Metal and wood working machinery              |      |       |       |     |      |       |      |      |      |      |
| 3824 Other special industrial machinery            |      |       |       |     |      |       |      |      |      |      |
| 3825 Office, computing and accounting machinery    |      |       |       |     |      |       |      |      |      |      |
| 3829 Other non-electrical machinery, & equipment   |      |       |       |     |      |       |      |      |      |      |
| 383 Electrical machinery                           | 120  | 289   | 380   | 29  | 50   | 64    | 24.6 | 47.6 |      |      |
| 3831 Electrical industrial machinery               |      |       |       |     |      |       |      |      |      |      |
| 3832 Radio, television and communication equipment |      |       |       |     |      |       |      |      |      |      |
| 3833 Electrical appliances and housewares          |      |       |       |     |      |       |      |      |      |      |
| 3839 Other electrical apparatus and supplies       |      |       |       |     |      |       |      |      |      |      |
| 384 Transport equipment                            | 208  | 407   | 443   | 36  | 45   | 52    | 17.1 | 57.7 |      |      |
| 3841 Shipbuilding and repairing                    |      |       |       |     |      |       |      |      |      |      |
| 3842 Railroad equipment                            |      |       |       |     |      |       |      |      |      |      |
| 3843 Motor vehicles                                |      |       |       |     |      |       |      |      |      |      |
| 3844 Motorcycles and bicycles                      |      |       |       |     |      |       |      |      |      |      |
| 3845 Aircraft                                      |      |       |       |     |      |       |      |      |      |      |
| 3849 Other transport equipment                     |      |       |       |     |      |       |      |      |      |      |
| 385 Professional and scientific equipment          | 2    | 2     | 2     | 8d/ | 23d/ | 24d/  |      | 39.4 |      |      |
| 3851 Prof. and scientific equipment n.e.c.         |      |       |       |     |      |       |      |      |      |      |
| 3852 Photographic and optical goods                |      |       |       |     |      |       |      |      |      |      |
| 3853 Watches and clocks                            |      |       |       |     |      |       |      |      |      |      |
| 390 Other manufacturing industries                 | 28   | 105   | 136   | c.  | d/   | d/    |      |      |      |      |
| 3901 Jewellery and related articles                |      |       |       |     |      |       |      |      |      |      |
| 3902 Musical instruments                           |      |       |       |     |      |       |      |      |      |      |
| 3903 Sporting and athletic goods                   |      |       |       |     |      |       |      |      |      |      |
| 3909 Manufacturing industries, n.e.c.              |      |       |       |     |      |       |      |      |      |      |
| 3 Total manufacturing                              | 3536 | 8900  | 10808 | 546 | 1044 | 1234  | 15.4 |      |      |      |

a/ 332 includes metal furniture and fixtures

c/ Value added is less than corresponding wages and salaries due to operating losses

b/ 371 includes 372

d/ 385 includes 390

## Kenya

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |          | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|----------|------|--|------|------|------|------|------|------|------|
|   |      | (million POUNDS)              |      |      |          |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990 | 1991 | 1992     |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                               |      |      |          | 119  | 126                                    | 134  | 146  | 155  | 158  | 161  | 162  | 153  |
| 313 Beverages                             |      |                               |      |      |          | 89   | 99                                     | 116  | 137  | 140  | 146  | 152  | 147  | 161  |
| 314 Tobacco                               |      |                               |      |      |          | 130  | 122                                    | 125  | 138  | 144  | 144  | 144  | 140  | 163  |
| 321 Textiles                              |      |                               |      |      |          | 103  | 108                                    | 116  | 119  | 122  | 125  | 141  | 136  | 136  |
| 322 Wearing apparel, except footwear      |      |                               |      |      |          | 174  | 128                                    | 129  | 131  | 134  | 137  | 126  | 118  | 116  |
| 323 Leather and fur products              |      |                               |      |      | a/<br>a/ | 82   | 85                                     | 87   | 89   | 94   | 101  | 105  | 96   | 103  |
| 324 Footwear, except rubber or plastic    |      |                               |      |      |          |      |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      |                               |      |      |          | 68   | 49                                     | 50   | 50   | 49   | 50   | 52   | 54   | 55   |
| 332 Furniture and fixtures, excl metal    |      |                               |      |      |          | 91   | 93                                     | 55   | 96   | 95   | 95   | 96   | 92   | 93   |
| 341 Paper and products                    |      |                               |      |      |          | 88   | 94                                     | 101  | 109  | 121  | 125  | 130  | 137  | 144  |
| 342 Printing and publishing               |      |                               |      |      |          | 172  | 179                                    | 190  | 202  | 211  | 213  | 218  | 220  | 223  |
| 351 Industrial chemicals                  |      |                               |      |      |          | 96   | 94                                     | 95   | 97   | 104  | 113  | 121  | 134  | 134  |
| 352 Other chemicals                       |      |                               |      |      |          |      |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      |                               |      |      | b/<br>b/ | 126  | 132                                    | 143  | 155  | 176  | 203  | 235  | 262  | 246  |
| 354 Misc petroleum and coal products      |      |                               |      |      |          |      |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      |                               |      |      |          | 118  | 128                                    | 136  | 144  | 149  | 160  | 169  | 167  | 160  |
| 356 Plastic products                      |      |                               |      |      |          | 90   | 95                                     | 99   | 102  | 98   | 105  | 109  | 126  | 138  |
| 361 Pottery, china, earthenware           |      |                               |      |      |          |      |  |      |      |      |      |      |      |      |
| 362 Glass and products                    |      |                               |      |      |          | 97   | 100                                    | 100  | 101  | 106  | 117  | 127  | 124  | 131  |
| 369 Other non-metallic mineral products   |      |                               |      |      |          | 85   | 96                                     | 107  | 113  | 111  | 116  | 132  | 135  | 159  |
| 371 Iron and steel                        |      |                               |      |      |          |      |  |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |      |                               |      |      |          |      |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      |                               |      |      |          | 69   | 73                                     | 81   | 90   | 103  | 119  | 137  | 159  | 144  |
| 382 Non-electrical machinery              |      |                               |      |      |          | 83   | 89                                     | 96   | 103  | 112  | 107  | 84   | 82   | 77   |
| 383 Electrical machinery                  |      |                               |      |      |          | 93   | 98                                     | 103  | 107  | 120  | 123  | 121  | 123  | 119  |
| 384 Transport equipment                   |      |                               |      |      |          | 112  | 102                                    | 90   | 83   | 93   | 97   | 102  | 101  | 92   |
| 385 Professional and scientific equipment |      |                               |      |      |          |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      |                               |      |      |          | 115  | 147                                    | 189  | 244  | 262  | 273  | 295  | 320  | 222  |
| 3 Total manufacturing                     |      |                               |      |      |          |      |  |      |      |      |      |      |      |      |

a/ 323 includes 324

b/ 353 includes 354

## KUWAIT

**Supplier of information:**

Central Statistical Office, Ministry of Planning, Safat.

**Basic source of data:**

Annual industrial surveys.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):**

The period of reference is the calendar year. Where data are available only on the basis of an accounting year different from the calendar year, the data are incorporated in the calendar year in which the major part of the accounting year falls. For establishments in the petroleum sector, estimates for the calendar year are made on the basis of the average of the two fiscal years.

**Scope:**

All industrial establishments in the private and public sectors, including joint (private and public) ownership.

**Method of enumeration:**

Establishments are covered on a census-cum-sample basis as follows: a) census coverage of all establishments with 10 or more employees as well as establishments in those activities (as defined by a 5-digit code based on ISIC) containing less than 20 establishments; b) sample coverage of all establishments not covered by the census. These establishments are divided into two groups according to employment levels 1-4 and 5-9 and samples are taken from both groups.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Output comprises (a) the value of all products of the establishments, (b) receipts for industrial work done for, or services rendered to, others, (c) the value of goods shipped in the same condition as received, less the cost of these goods, (d) the value of fixed assets produced by the establishment for its own use and (e) changes in stocks of finished goods.

Value added is estimated by subtracting the cost of materials, fuels, electricity and water consumed and the cost of industrial services rendered by others from the value of output.

**Related national publications:**

Annual Survey of Industries and Statistical Abstract (annual), both published by the Central Statistical Office, Ministry of Planning, Safat.

## Kuwait

| ISIC Industry                                    | Note | Number of establishments<br>(numbers) |      |      |      | Note | Number of employees<br>(numbers) |      |      |      | Note | Wages and salaries paid<br>to employees<br>(thousand DINAHS) |       |       |       |
|--|------|---------------------------------------|------|------|------|------|----------------------------------|------|------|------|------|--|-------|-------|-------|
|  |      | 1985                                  | 1987 | 1988 | 1989 |      | 1985                             | 1987 | 1988 | 1989 |      | 1985   | 1987  | 1988  | 1989  |
| 211/2 Food Products                              |      | 428                                   | 288  | 308  | 304  |      | 6280                             | 6875 | 7214 | 7075 |      | 16770  | 15400 | 16000 | 15700 |
| 311 Slaughtering, preparing & preserving meat    |      |                                       |      |      |      |      |                                  |      |      |      |      |  |       |       |       |
| 3112 Dairy products                              |      | 3                                     | 5    | 5    | 5    |      | 1229                             | 1442 | 1618 | 1540 |      | 3900   | 3800  | 4400  | 4100  |
| 3113 Canning, preserving of fruits & vegetables  |      |                                       |      |      |      |      |                                  |      |      |      |      |  |       |       |       |
| 3114 Canning, preserving and processing of fish  |      |                                       |      |      |      |      |                                  |      |      |      |      |  |       |       |       |
| 3115 Vegetable and animal oils and fats          |      |                                       |      |      |      |      |                                  |      |      |      |      |  |       |       |       |
| 3116 Grain mill products                         |      |                                       |      |      |      |      |                                  |      |      |      |      |  |       |       |       |
| 3117 Bakery products                             |      | 408                                   | 248  | 214  | 266  |      | 3585                             | 3808 | 3916 | 3902 |      | 7900   | 7400  | 7300  | 7500  |
| 3118 Sugar factories and refineries              |      |                                       |      |      |      |      |                                  |      |      |      |      |  |       |       |       |
| 3119 Cocoa, chocolate and sugar confectionery    |      |                                       | 3    |      | 2    |      |                                  | 16   |      | 11   |      |  |       |       |       |
| 3121 Other food products                         |      | 12                                    | 26   | 21   | 25   |      | 1421                             | 1572 | 1651 | 1593 |      | 3900   | 4100  | 4200  | 4000  |
| 3122 Prepared animal feeds                       |      | 5                                     | 6    | 5    | 6    |      | 45                               | 37   | 29   | 29   |      | 70   | 100   | 100   | 100   |
| 313 Beverages                                    |      | 7                                     | 8    | 7    | 8    |      | 1835                             | 1893 | 2012 | 2230 |      | 3900   | 3800  | 4500  | 4800  |
| 3131 Distilling, rectifying and blending spirits |      |                                       |      |      |      |      |                                  |      |      |      |      |  |       |       |       |
| 3132 Wine industries                             |      |                                       |      |      |      |      |                                  |      |      |      |      |  |       |       |       |
| 3133 Malt liquors and malt                       |      |                                       |      |      |      |      |                                  |      |      |      |      |  |       |       |       |
| 3134 Soft drinks and carbonated waters           |      | 7                                     | 8    | 7    | 8    |      | 1835                             | 1893 | 2012 | 2230 |      | 3900   | 3800  | 4500  | 4800  |
| 314 Tobacco                                      |      |                                       |      |      |      |      |                                  |      |      |      |      |  |       |       |       |
| 321 Textiles                                     |      | 147                                   | 237  | 242  | 239  |      | 486                              | 809  | 916  | 871  |      | 1100   | 1800  | 1900  | 1800  |
| 3211 Spinning, weaving and finishing textiles    |      |                                       |      |      |      |      |                                  |      |      |      |      |  |       |       |       |
| 3212 Made-up textile goods excl wearing apparel  |      | 147                                   | 237  | 242  | 239  |      | 486                              | 809  | 916  | 871  |      | 1100   | 1800  | 1900  | 1800  |
| 3213 Knitting mills                              |      |                                       |      |      |      |      |                                  |      |      |      |      |  |       |       |       |
| 3214 Carpets and rugs                            |      |                                       |      |      |      |      |                                  |      |      |      |      |  |       |       |       |
| 3215 Cordage, rope and twine                     |      |                                       |      |      |      |      |                                  |      |      |      |      |  |       |       |       |
| 3219 Other textiles                              |      |                                       |      |      |      |      |                                  |      |      |      |      |  |       |       |       |
| 322 Wearing apparel, except footwear             |      | 1817                                  | 1934 | 1930 | 1957 |      | 5788                             | 8981 | 9276 | 9592 |      | 10730  | 18661 | 16712 | 17247 |
| 323 Leather and fur products                     |      |                                       |      | 2    |      |      |                                  |      | 154  |      |      |  |       | 240   |       |
| 3231 Tanneries and leather finishing             |      |                                       |      | 2    |      |      |                                  |      | 154  |      |      |  |       | 240   |       |
| 3232 Fur dressing and dyeing industries          |      |                                       |      |      |      |      |                                  |      |      |      |      |  |       |       |       |
| 3233 Leather prods excl wearing apparel          |      |                                       |      |      |      |      |                                  |      |      |      |      |  |       |       |       |
| 324 Footwear, except rubber or plastic           |      |                                       |      |      |      |      |                                  |      |      |      |      |  |       |       |       |
| 331 Wood products, except furniture              |      | 52                                    | 74   | 72   | 73   |      | 1371                             | 1101 | 1147 | 1195 |      | 3180   | 2600  | 3100  | 2200  |
| 3311 Sawmills, planing and other wood mills      |      | 37                                    | 61   | 57   | 59   |      | 1331                             | 1069 | 1111 | 1161 |      | 3100   | 2500  | 3000  | 2100  |
| 3312 Wooden and cane containers                  |      |                                       |      |      |      |      |                                  |      |      |      |      |  |       |       |       |
| 3319 Other wood and cork products                |      | 15                                    | 13   | 15   | 14   |      | 40                               | 32   | 36   | 34   |      | 80   | 100   | 100   | 100   |
| 332 Furniture and fixtures, excl metal           |      | 313                                   | 321  | 305  | 313  |      | 2251                             | 2524 | 2656 | 2528 |      | 5150   | 5540  | 5203  | 5502  |
| 341 Paper and products                           |      | 12                                    | 16   | 17   | 17   |      | 698                              | 880  | 1011 | 950  |      | 1800   | 2500  | 2600  | 2500  |
| 3411 Pulp, paper and paperboard articles         |      |                                       |      |      |      |      |                                  |      |      |      |      |  |       |       |       |
| 3412 Containers of paper and paperboard          |      | 6                                     | 6    | 4    | 5    |      | 465                              | 549  | 316  | 395  |      | 1200   | 1500  | 800   | 1000  |
| 3419 Other pulp, paper and paperboard articles   |      | 6                                     | 10   | 13   | 12   |      | 233                              | 331  | 695  | 555  |      | 600  | 1030  | 1800  | 1500  |
| 342 Printing and publishing                      |      | 36                                    | 63   | 62   | 63   |      | 2928                             | 3338 | 3850 | 4072 |      | 10370  | 10224 | 11630 | 12186 |
| 351 Industrial chemicals                         |      | 7                                     | 8    | 7    | 7    |      | 1984                             | 1986 | 1912 |      |      | 15600  | 16500 | 16400 |       |
| 3511 Basic chemicals excl fertilizers            |      | 6                                     | 7    | 5    | 6    |      | 276                              | 287  | 206  | 257  |      | 900  | 1000  | 700   | 800   |
| 3512 Fertilizers and pesticides                  |      | 1                                     | 1    | 1    | 1    |      | 1708                             | 1699 | 1619 |      |      | 14700  | 15600 | 16400 |       |
| 3513 Synthetic resins and plastic materials      |      |                                       |      | 1    |      |      |                                  |      | 87   |      |      |  |       | 300   |       |
| 352 Other chemicals                              |      | 11                                    | 15   | 20   | 18   |      | 582                              | 1087 | 1142 | 1218 |      | 1900   | 3100  | 3800  | 3740  |
| 3521 Paints, varnishes and lacquers              |      | 6                                     | 7    | 9    | 8    |      | 364                              | 385  | 451  | 401  |      | 1400   | 1400  | 1500  | 1400  |
| 3522 Drugs and medicines                         |      |                                       | 1    | 2    | 2    |      |                                  | 417  | 374  | 527  |      |  | 1070  | 1400  | 1600  |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      |                                       | 3    | 4    | 3    |      |                                  | 139  | 165  | 124  |      |  | 300   | 300   | 240   |
| 3529 Other chemical products                     |      | 5                                     | 4    | 5    | 5    |      | 218                              | 146  | 152  | 166  |      | 500  | 400   | 500   | 500   |
| 353 Petroleum refineries                         |      | 1                                     | 1    | 1    |      |      | 5093                             | 5690 | 6365 |      |      | 48114  | 61859 | 69843 |       |

|   |      |      |      |        |       |       |       |         |        |        |        |          |
|---|------|------|------|--------|-------|-------|-------|---------|--------|--------|--------|----------|
| 354 Misc petroleum and coal products            | 2    | 3    | 5    | 4      | 24    | 102   | 209   | 180     | 89     | 300    | 411    | 411      |
| 355 Rubber products                             | 5    | 5    | 5    | 5      | 237   | 248   | 221   | 235     | 500    | 500    | 400    | 400      |
| 3551 Tyres and tubes                            | -    | -    | -    | -      | -     | -     | -     | -       | -      | -      | -      | -        |
| 3559 Other rubber products                      | 5    | 5    | 5    | 5      | 237   | 248   | 221   | 235     | 500    | 500    | 400    | 400      |
| 356 Plastic products                            | 17   | 24   | 24   | 25     | 1302  | 1601  | 1666  | 1631    | 2657   | 3729   | 3780   | 3747     |
| 361 Pottery, china, earthenware                 | -    | -    | -    | -      | -     | -     | -     | -       | -      | -      | -      | -        |
| 362 Glass and products                          | 13   | 15   | 17   | 16     | 324   | 368   | 411   | 358     | 1255   | 1482   | 1227   | 1063     |
| 369 Other non-metallic mineral products         | 99   | 122  | 125  | 123    | 5117  | 5385  | 5326  | 5351    | 14000  | 12300  | 13600  | 13500    |
| 3691 Structural clay products                   | -    | -    | -    | -      | -     | -     | -     | -       | -      | -      | -      | -        |
| 3692 Cement, lime and plaster                   | 3    | 4    | 4    | 4      | 627   | 587   | 562   | 575     | 2300   | 2300   | 2000   | 2200     |
| 3699 Other non-metallic mineral products        | 96   | 118  | 121  | 119    | 4490  | 4798  | 4764  | 4776    | 11700  | 11000  | 11600  | 11300    |
| 371 Iron and steel                              | 4    | 4    | 3    | 4      | 652   | 715   | 749   | 736     | 1702   | 1844   | 1640   | 1637     |
| 372 Non-ferrous metals                          | -    | -    | -    | -      | -     | -     | -     | -       | -      | -      | -      | -        |
| 381 Fabricated metal products                   | 530  | 661  | 670  | 665    | 4524  | 5526  | 5939  | 5517    | 12900  | 12900  | 13800  | 13000    |
| 3811 Cutlery, hand tools and general hardware   | -    | -    | 2    | -      | -     | -     | -     | -       | -      | -      | -      | -        |
| 3812 Furniture and fixtures primarily of metal  | 11   | 16   | 18   | 17     | 336   | 541   | 664   | 620     | 1200   | 1300   | 1400   | 1300     |
| 3813 Structural metal products                  | 387  | 516  | 518  | 517    | 3181  | 4131  | 4050  | 3775    | 8700   | 9400   | 9200   | 8700     |
| 3819 Other fabricated metal products            | 132  | 129  | 132  | 131    | 1007  | 854   | 1221  | 1122    | 3000   | 2200   | 3200   | 3000     |
| 382 Non-electrical machinery                    | 15   | 28   | 26   | 27     | 1707  | 2165  | 3017  | 2553    | 6700   | 6700   | 7800   | 7200     |
| 3821 Engines and turbines                       | -    | -    | -    | -      | -     | -     | -     | -       | -      | -      | -      | -        |
| 3822 Agricultural machinery and equipment       | -    | -    | -    | -      | -     | -     | -     | -       | -      | -      | -      | -        |
| 3823 Metal and wood working machinery           | -    | -    | -    | -      | -     | -     | -     | -       | -      | -      | -      | -        |
| 3824 Other special industrial machinery         | 2    | 6    | 6    | 6      | 966   | 1487  | 2305  | 1893    | 5100   | 5000   | 5800   | 5400     |
| 3825 Office, computing and accounting machinery | -    | -    | 3    | -      | -     | -     | 56    | -       | -      | -      | 500    | -        |
| 3829 Other non-electrical machinery & equipment | 13   | 22   | 17   | 21     | 721   | 678   | 556   | 660     | 1600   | 1700   | 1500   | 1800     |
| 383 Electrical machinery                        | 22   | 26   | 25   | 25     | 562   | 810   | 814   | 831     | 1700   | 2200   | 2100   | 2200     |
| 3831 Electrical industrial machinery            | 17   | 20   | 19   | 19     | 164   | 362   | 296   | 293     | 400    | 900    | 700    | 700      |
| 3832 Radio, television and communication equipm | -    | -    | -    | -      | -     | -     | -     | -       | -      | -      | -      | -        |
| 3833 Electrical appliances and housewares       | -    | -    | -    | -      | -     | -     | -     | -       | -      | -      | -      | -        |
| 3839 Other electrical apparatus and supplies    | 5    | 6    | 6    | 6      | 398   | 448   | 518   | 538     | 1300   | 1300   | 1400   | 1500     |
| 384 Transport equipment                         | 24   | 23   | 25   | 24     | 1468  | 1093  | 1382  | 1238    | 4900   | 2700   | 3300   | 3000     |
| 3841 Shipbuilding and repairing                 | 7    | 9    | 10   | 10     | 833   | 572   | 879   | 729     | 3200   | 1500   | 2100   | 1800     |
| 3842 Railroad equipment                         | -    | -    | -    | -      | -     | -     | -     | -       | -      | -      | -      | -        |
| 3843 Motor vehicles                             | 17   | 14   | 15   | 14     | 635   | 521   | 503   | 509     | 1700   | 1200   | 1200   | 1200     |
| 3844 Motorcycles and bicycles                   | -    | -    | -    | -      | -     | -     | -     | -       | -      | -      | -      | -        |
| 3845 Aircraft                                   | -    | -    | -    | -      | -     | -     | -     | -       | -      | -      | -      | -        |
| 3849 Other transport equipment                  | -    | -    | -    | -      | -     | -     | -     | -       | -      | -      | -      | -        |
| 385 Professional and scientific equipment       | -    | -    | 1    | -      | -     | -     | 17    | -       | -      | -      | 100    | -        |
| 3851 Prof and scientific equipment n e c        | -    | -    | 1    | -      | -     | -     | 17    | -       | -      | -      | 100    | -        |
| 3852 Photographic and optical goods             | -    | -    | -    | -      | -     | -     | -     | -       | -      | -      | -      | -        |
| 3853 Watches and clocks                         | -    | -    | -    | -      | -     | -     | -     | -       | -      | -      | -      | -        |
| 390 Other manufacturing industries              | 72   | 192  | 202  | 197    | 268   | 812   | 768   | 751     | 600    | 1600   | 1700   | 1600     |
| 3901 Jewellery and related articles             | 66   | 156  | 158  | 157    | 225   | 658   | 633   | 575     | 500    | 1200   | 1200   | 1200     |
| 3902 Musical instruments                        | -    | -    | -    | -      | -     | -     | -     | -       | -      | -      | -      | -        |
| 3903 Sporting and athletic goods                | -    | -    | -    | -      | -     | -     | -     | -       | -      | -      | -      | -        |
| 3909 Manufacturing industries, n e c            | 6    | 36   | 44   | 40     | 43    | 154   | 185   | 176     | 100    | 400    | 500    | 400      |
| 3 Total manufacturing                           | 3634 | 4118 | 4101 | 4114a/ | 45481 | 53989 | 58170 | 49112a/ | 164617 | 189039 | 201686 | 113333a/ |

a/ Excluding petroleum refineries

## Kuwait

| ISIC Industry                                    | Note | Output in producers' prices |         |         |       | Note | Value added in producers' prices |        |        |       | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-----------------------------|---------|---------|-------|------|----------------------------------|--------|--------|-------|--------------------------------|------|--|------|
|  |      | (thousand DINARS)           |         |         |       |      | (thousand DINARS)                |        |        |       | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                        | 1987    | 1988    | 1989  |      | 1985                             | 1987   | 1988   | 1989  | 1985                           | 1989 | 1985                                       | 1989 |
| 311/2 Food Products                              |      | 80200                       | 83300   | 86700   | 86000 |      | 30500                            | 40300  | 40300  | 40200 | 38 0                           | 46 7 | 51 7                                       | 39 1 |
| 3111 Slaughtering, preparing & preserving meat   |      |                             |         |         |       |      |                                  |        |        |       |                                |      |  |      |
| 3112 Dairy products                              |      | 22200                       | 25500   | 27200   | 27000 |      | 11200                            | 12900  | 12300  | 13100 | 50 5                           | 48 5 | 34 8                                       | 31 3 |
| 3113 Canning, preserving of fruits & vegetables  |      |                             |         |         |       |      |                                  |        |        |       |                                |      |  |      |
| 3114 Canning, preserving and processing of fish  |      |                             |         |         |       |      |                                  |        |        |       |                                |      |  |      |
| 3115 Vegetable and animal oils and fats          |      |                             |         |         |       |      |                                  |        |        |       |                                |      |  |      |
| 3116 Grain mill products                         |      |                             |         |         |       |      |                                  |        |        |       |                                |      |  |      |
| 3117 Bakery products                             |      | 30900                       | 30600   | 30500   | 30400 |      | 12600                            | 16700  | 16100  | 16000 | 40 8                           | 52 6 | 62 7                                       | 46 9 |
| 3118 Sugar factories and refineries              |      |                             |         |         |       |      |                                  |        |        |       |                                |      |  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      |                             | 400     |         | 300   |      |                                  | 100    |        | 100   |                                | 31 3 |  |      |
| 3121 Other food products                         |      | 26700                       | 25800   | 28300   | 26300 |      | 6600                             | 10400  | 11800  | 10800 | 24 7                           | 41 1 | 59 1                                       | 37 0 |
| 3122 Prepared animal feeds                       |      | 400                         | 1000    | 700     | 800   |      | 100                              | 200    | 100    | 200   | 26 0                           | 26 0 | 70 0                                       | 50 0 |
| 313 Beverages                                    |      | 21800                       | 22400   | 22800   | 25800 |      | 9400                             | 7000   | 7800   | 8300  | 43 1                           | 32 2 | 41 5                                       | 57 8 |
| 3131 Distilling, rectifying and blending spirits |      |                             |         |         |       |      |                                  |        |        |       |                                |      |  |      |
| 3132 Wine industries                             |      |                             |         |         |       |      |                                  |        |        |       |                                |      |  |      |
| 3133 Malt liquors and malt                       |      |                             |         |         |       |      |                                  |        |        |       |                                |      |  |      |
| 3134 Soft drinks and carbonated waters           |      | 21800                       | 22400   | 22800   | 25700 |      | 9400                             | 7000   | 7800   | 8300  | 43 1                           | 32 3 | 41 5                                       | 57 8 |
| 314 Tobacco                                      |      |                             |         |         |       |      |                                  |        |        |       |                                |      |  |      |
| 321 Textiles                                     |      | 6300                        | 8800    | 9900    | 9400  |      | 2500                             | 4700   | 4800   | 4600  | 39 7                           | 48 9 | 44 0                                       | 39 1 |
| 3211 Spinning, weaving and finishing textiles    |      |                             |         |         |       |      |                                  |        |        |       |                                |      |  |      |
| 3212 Made-up textile goods excl wearing apparel  |      | 6300                        | 8800    | 9900    | 9400  |      | 2500                             | 4700   | 4800   | 4600  | 39 7                           | 48 9 | 44 0                                       | 39 1 |
| 3213 Knitting mills                              |      |                             |         |         |       |      |                                  |        |        |       |                                |      |  |      |
| 3214 Carpets and rugs                            |      |                             |         |         |       |      |                                  |        |        |       |                                |      |  |      |
| 3215 Cordage, rope and twine                     |      |                             |         |         |       |      |                                  |        |        |       |                                |      |  |      |
| 3219 Other textiles                              |      |                             |         |         |       |      |                                  |        |        |       |                                |      |  |      |
| 322 Wearing apparel, except footwear             |      | 31000                       | 45300   | 39900   | 44000 |      | 22600                            | 37500  | 33000  | 34800 | 72 9                           | 79 1 | 47 5                                       | 49 6 |
| 323 Leather and fur products                     |      |                             |         | 2800    |       |      |                                  |        | 700    |       |                                |      |  |      |
| 3231 Tanneries and leather finishing             |      |                             |         | 2800    |       |      |                                  |        | 700    |       |                                |      |  |      |
| 3232 Fur dressing and dyeing industries          |      |                             |         |         |       |      |                                  |        |        |       |                                |      |  |      |
| 3233 Leather prods excl wearing apparel          |      |                             |         |         |       |      |                                  |        |        |       |                                |      |  |      |
| 324 Footwear, except rubber or plastic           |      |                             |         |         |       |      |                                  |        |        |       |                                |      |  |      |
| 331 Wood products, except furniture              |      | 9800                        | 8400    | 8300    | 8700  |      | 4300                             | 3900   | 3900   | 4000  | 43 9                           | 46 0 | 74 0                                       | 55 0 |
| 3311 Sawmills, planing and other wood mills      |      | 7500                        | 8100    | 7900    | 8300  |      | 4100                             | 3700   | 3700   | 3800  | 54 7                           | 46 8 | 75 6                                       | 55 3 |
| 3312 Wooden and cane containers                  |      |                             |         |         |       |      |                                  |        |        |       |                                |      |  |      |
| 3319 Other wood and cork products                |      | 400                         | 300     | 400     | 400   |      | 200                              | 200    | 200    | 200   | 50 0                           | 50 0 | 40 0                                       | 50 0 |
| 332 Furniture and fixtures, excl metal           |      | 20500                       | 22000   | 20300   | 20500 |      | 9200                             | 11400  | 10500  | 10400 | 44 9                           | 50 7 | 56 0                                       | 52 9 |
| 341 Paper and products                           |      | 10300                       | 16500   | 20000   | 18300 |      | 3700                             | 6400   | 7500   | 6900  | 36 9                           | 37 7 | 48 6                                       | 36 2 |
| 3411 Pulp, paper and paperboard articles         |      |                             |         |         |       |      |                                  |        |        |       |                                |      |  |      |
| 3412 Containers of paper and paperboard          |      | 7500                        | 10600   | 7700    | 9600  |      | 2700                             | 3700   | 2800   | 3500  | 36 0                           | 36 5 | 44 4                                       | 28 6 |
| 3419 Other pulp, paper and paperboard articles   |      | 2800                        | 5900    | 12300   | 8700  |      | 1000                             | 2700   | 4700   | 3400  | 36 7                           | 39 1 | 60 0                                       | 44 1 |
| 342 Printing and publishing                      |      | 29700                       | 32100   | 34000   | 37300 |      | 15700                            | 9000   | 10700  | 11900 | 52 9                           | 31 9 | 66 1                                       |      |
| 351 Industrial chemicals                         |      | 30200                       | 36800   | 50400   |       |      | 17000                            | 23000  | 33700  |       | 56 3                           |      | 91 8                                       |      |
| 3511 Basic chemicals excl fertilizers            |      | 5000                        | 6600    | 3300    | 4100  |      | 1600                             | 2500   | 2100   | 2600  | 32 0                           | 63 4 | 56 3                                       | 30 8 |
| 3512 Fertilizers and pesticides                  |      | 25200                       | 30200   | 42700   |       |      | 15400                            | 20500  |        |       | 61 1                           |      | 95 5                                       |      |
| 3513 Synthetic resins and plastic materials      |      |                             |         | 4400    |       |      |                                  |        |        |       |                                |      |  |      |
| 352 Other chemicals                              |      | 13700                       | 15700   | 18500   | 17100 |      | 4800                             | 5500   | 6200   | 5800  | 35 0                           | 33 9 | 39 6                                       | 64 5 |
| 3521 Paints, varnishes and lacquers              |      | 10800                       | 10100   | 11400   | 10200 |      | 3700                             | 3700   |        | 3400  | 34 3                           | 33 3 | 37 8                                       | 41 2 |
| 3522 Drugs and medicines                         |      |                             | 1800    | 2000    | 2500  |      |                                  |        |        |       |                                |      |  |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      |                             | 1800    | 2100    | 1600  |      |                                  | 800    | 1000   | 700   |                                | 43 8 |  | 34 3 |
| 3529 Other chemical products                     |      | 2900                        | 2000    | 3000    | 2800  |      | 1100                             | 900    | 1200   | 1100  | 37 9                           | 39 3 | 45 5                                       | 45 5 |
| 353 Petroleum refineries                         |      | 1749800                     | 1499500 | 1401100 |       |      | 168800                           | 570600 | 526200 |       | 9 6                            |      | 28 6                                       |      |



|   |                      |         |         |          |         |        |        |          |      |      |      |      |
|---|----------------------|---------|---------|----------|---------|--------|--------|----------|------|------|------|------|
| 354 Misc petroleum and coal products            | 626                  | 1600    | 2700    | 2500     | 273     | 700    | 1200   | 1100     | 43.6 | 44.0 | 32.6 | 37.4 |
| 355 Rubber products                             | 5300                 | 3700    | 4300    | 4000     | 2100    | 1300   | 1600   | 1500     | 39.6 | 37.5 | 23.8 | 26.7 |
| 3551 Tyres and tubes                            | -                    | -       | -       | -        | -       | -      | -      | -        | -    | -    | -    | -    |
| 3559 Other rubber products                      | 5300                 | 3700    | 4300    | 4000     | 2100    | 1300   | 1600   | 1500     | 39.6 | 37.5 | 23.8 | 26.7 |
| 356 Plastic products                            | 17200                | 19800   | 24800   | 22300    | 7300    | 9700   | 10600  | 10200    | 42.4 | 45.7 | 36.4 | 36.7 |
| 361 Pottery, china, earthenware                 | -                    | -       | -       | -        | -       | -      | -      | -        | -    | -    | -    | -    |
| 362 Glass and products                          | 3200                 | 5700    | 6100    | 5300     | 1200    | 2900   | 3200   | 2800     | 37.6 | 52.8 | -    | 38.0 |
| 369 Other non-metallic mineral products         | 88300                | 80700   | 88700   | 84000    | 34600a/ | 35400  | 41800  | 38600    | 39.2 | 46.0 | 40.6 | 35.0 |
| 3691 Structural clay products                   | -                    | -       | -       | -        | -       | -      | -      | -        | -    | -    | -    | -    |
| 3692 Cement, lime and plaster                   | 29300                | 18000   | 18500   | 18300    | 6000    | 6600   | 6900   | 6700     | 20.6 | 36.6 | 38.3 | 32.8 |
| 3699 Other non-metallic mineral products        | 59000                | 62700   | 70200   | 65700    | 28600   | 28800  | 34900  | 31900    | 48.6 | 48.6 | 40.9 | 36.4 |
| 371 Iron and steel                              | 8300                 | 8600    | 12800   | 10800    | 4100    | 4400   | 6900   | 6200     | 49.4 | 48.1 | 41.5 | 29.6 |
| 372 Non-ferrous metals                          | -                    | -       | -       | -        | -       | -      | -      | -        | -    | -    | -    | -    |
| 381 Fabricated metal products                   | 66200                | 56800   | 65700   | 61800    | 26500   | 24600  | 28300  | 23500    | 40.0 | 38.0 | 48.7 | 55.3 |
| 3811 Cutlery, hand tools and general hardware   | -                    | -       | -       | -        | -       | -      | -      | -        | -    | -    | -    | -    |
| 3812 Furniture and fixtures primarily of metal  | 3700                 | 4900    | 5500    | 5100     | 2100    | 2700   | 2900   | 2700     | 56.8 | 52.9 | 67.1 | 48.1 |
| 3813 Structural metal products                  | 35000                | 40700   | 45200   | 43100    | 15800   | 19900  | 18200  | 17400    | 46.1 | 40.4 | 55.1 | 50.0 |
| 3819 Other fabricated metal products            | 27500                | 11200   | 15000   | 13600    | 8500    | -      | 7200   | -        | 30.9 | -    | 36.3 | -    |
| 382 Non-electrical machinery                    | 14200                | 13400   | 15800   | 14500    | 9000    | 9100   | 11600  | 10400    | 63.4 | 71.7 | 74.4 | 69.2 |
| 3821 Engines and turbines                       | -                    | -       | -       | -        | -       | -      | -      | -        | -    | -    | -    | -    |
| 3822 Agricultural machinery and equipment       | -                    | -       | -       | -        | -       | -      | -      | -        | -    | -    | -    | -    |
| 3823 Metal and wood working machinery           | -                    | -       | -       | -        | -       | -      | -      | -        | -    | -    | -    | -    |
| 3824 Other special industrial machinery         | 7200                 | 6800    | 8400    | 7600     | 6000    | 5600   | 7400   | 6500     | 83.3 | 85.5 | 85.0 | 83.1 |
| 3825 Office, computing and accounting machinery | -                    | -       | 1200    | -        | -       | -      | 1000   | -        | -    | -    | -    | -    |
| 3829 Other non-electrical machinery & equipment | 7000                 | 6600    | 6200    | 6900     | 3000    | 3500   | 3200   | 3900     | 42.9 | 56.6 | 63.3 | 46.2 |
| 383 Electrical machinery                        | 15600                | 18200   | 23400   | 22500    | 4500    | 6900   | 8400   | 8100     | 28.8 | 36.0 | 37.8 | 27.2 |
| 3831 Electrical industrial machinery            | 1500                 | 2800    | 3100    | 2600     | 300     | 1100   | 1500   | 1100     | 20.0 | 42.3 | -    | 63.6 |
| 3832 Radio, television and communication equipm | -                    | -       | -       | -        | -       | -      | -      | -        | -    | -    | -    | -    |
| 3833 Electrical appliances and housewares       | -                    | -       | -       | -        | -       | -      | -      | -        | -    | -    | -    | -    |
| 3839 Other electrical apparatus and supplies    | 14100                | 15400   | 20300   | 19900    | 4200    | 5800   | 6900   | 7000     | 29.8 | 36.2 | 31.0 | 21.4 |
| 384 Transport equipment                         | 9200                 | 8400    | 9700    | 9100     | 3600a/  | 4100   | 3100   | 3600     | 39.1 | 39.6 | -    | 83.3 |
| 3841 Shipbuilding and repairing                 | 4100                 | 4000    | 5100    | 4600     | 2100    | 2600   | 1900   | 2300     | 51.2 | 60.0 | -    | 78.3 |
| 3842 Railroad equipment                         | -                    | -       | -       | -        | -       | -      | -      | -        | -    | -    | -    | -    |
| 3843 Motor vehicles                             | 5100                 | 4400    | 4600    | 4500     | 1500    | 1500   | 1200   | 1300     | 29.4 | 28.9 | -    | 92.3 |
| 3844 Motorcycles and bicycles                   | -                    | -       | -       | -        | -       | -      | -      | -        | -    | -    | -    | -    |
| 3845 Aircraft                                   | -                    | -       | -       | -        | -       | -      | -      | -        | -    | -    | -    | -    |
| 3849 Other transport equipment                  | -                    | -       | -       | -        | -       | -      | -      | -        | -    | -    | -    | -    |
| 385 Professional and scientific equipment       | -                    | -       | 300     | -        | -       | -      | 200    | -        | -    | -    | -    | -    |
| 3851 Prof and scientific equipment n e c        | -                    | -       | 300     | -        | -       | -      | 200    | -        | -    | -    | -    | -    |
| 3852 Photographic and optical goods             | -                    | -       | -       | -        | -       | -      | -      | -        | -    | -    | -    | -    |
| 3853 Watches and clocks                         | -                    | -       | -       | -        | -       | -      | -      | -        | -    | -    | -    | -    |
| 390 Other manufacturing industries              | 5200                 | 4800    | 6100    | 5700     | 1500    | 3200   | 3600   | 3500     | 28.8 | 61.4 | 40.0 | 45.7 |
| 3901 Jewellery and related articles             | 4800                 | 3300    | 4400    | 4000     | 1300    | 2300   | 2600   | 2600     | 27.1 | 62.6 | 38.6 | 48.0 |
| 3902 Musical instruments                        | -                    | -       | -       | -        | -       | -      | -      | -        | -    | -    | -    | -    |
| 3903 Sporting and athletic goods                | -                    | -       | -       | -        | -       | -      | -      | -        | -    | -    | -    | -    |
| 3909 Manufacturing industries, n e c            | 400                  | 1500    | 1700    | 1700     | 200     | 900    | 1000   | 1000     | 50.0 | 58.8 | 50.0 | 40.0 |
| 3 Total manufacturing                           | 223660 <sup>a/</sup> | 2012500 | 1975100 | 509600b/ | 383200  | 821600 | 804800 | 235400b/ | 17.1 | 46.2 | 43.0 | 48.1 |

a/ Value added is less than corresponding wages and salaries due to operating losses.

b/ Excluding petroleum refineries

## Kuwait

| ISIC Industry                             | Note | Gross fixed capital formation |        |        |         | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|--------|--------|---------|------|--|------|------|------|------|------|------|------|
|   |      | (thousand DINARS)             |        |        |         |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1987   | 1988   | 1989    |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311.2 Food Products                       |      | 12654                         | 2854   | 2728   | 89      |      |  |      |      |      |      |      |      |      |
| 313 Beverages                             |      | 4034                          | 1179   | 1046   | 1026    |      |  |      |      |      |      |      |      |      |
| 314 Tobacco                               |      | -                             | -      | -      | -       |      |  |      |      |      |      |      |      |      |
| 321 Textiles                              |      | 47                            | 297    | -89    | -76     |      |  |      |      |      |      |      |      |      |
| 322 Wearing apparel, except footwear      |      | 10                            | 139    | 218    | 340     |      |  |      |      |      |      |      |      |      |
| 323 Leather and fur products              |      | -                             | -      | 132    | -       |      |  |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      | -                             | -      | -      | -       |      |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      | 546                           | 87     | 163    | 178     |      |  |      |      |      |      |      |      |      |
| 332 Furniture and fixtures, exc: metal    |      | 437                           | 120    | 568    | 313     |      |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      | 805                           | 632    | 1149   | 888     |      |  |      |      |      |      |      |      |      |
| 342 Printing and publishing               |      | 2400                          | 5042   | 1521   | 1877    |      |  |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      | 7629                          | 2182   | 3082   | -       |      |  |      |      |      |      |      |      |      |
| 352 Other chemicals                       |      | 270                           | 514    | 901    | 831     |      |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      | 218401                        | 278995 | 82649  | -       | 138  | 162                                    | 172  | 172  | 189  | 199  |      |      |      |
| 354 Misc petroleum and coal products      |      | -                             | A      | 51     | 34      |      |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      | 153                           | 61     | 67     | 64      |      |  |      |      |      |      |      |      |      |
| 356 Plastic products                      |      | 1560                          | 1103   | 1524   | 1314    |      |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      | -                             | -      | -      | -       |      |  |      |      |      |      |      |      |      |
| 362 Glass and products                    |      | -                             | 299    | 620    | 532     |      |  |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      | 12181                         | 2856   | 2924   | 2909    |      |  |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      | 1165                          | 1371   | 649    | 1010    |      |  |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |      | -                             | -      | -      | -       |      |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      | 494                           | 690    | 3465   | 3109    |      |  |      |      |      |      |      |      |      |
| 382 Non-electrical machinery              |      | 861                           | 1868   | 481    | 1211    |      |  |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      | 464                           | 721    | 800    | 818     |      |  |      |      |      |      |      |      |      |
| 384 Transport equipment                   |      | 2762                          | 121    | 552    | 337     |      |  |      |      |      |      |      |      |      |
| 385 Professional and scientific equipment |      | -                             | -      | -      | -       |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      | 10                            | 4      | 7      | 4       |      |  |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      | 266883                        | 301143 | 105208 | 19508a/ |      |  |      |      |      |      |      |      |      |

a/ Sum of available data

## KYRGYZSTAN

**Supplier of information:**

Kyrgyzstan State Committee on Statistics, Bishkek

**Basic source of data:**

Annual industrial survey.

**Major deviations from current version of ISIC:**

Data collected under the national classification system have been reclassified by the national authorities to achieve the best possible correspondence with the current version of the ISIC. Lack of detail in national data, however, results in several cases where correspondence with the ISIC cannot be achieved.

The industrial sectors 'Metalworking Industries' and 'Engineering', as defined in the national classification, are included in ISIC major groups 381 to 385 combined.

**Reference period (if not calendar year):**

**Scope:**

All enterprises operating under an 'independent regime' and enterprises operating under a 'non-industrial organization regime'.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Data refer to all surveyed enterprises.

**Concepts and definitions of variables:**

Wages and salaries is computed by UNIDO from reported wages and salaries per employee. Output, originally reported as output per person engaged, is generated by UNIDO.

**Related national publications:**

## Kyrgyzstan

| ISIC Industry                             | Note | Number of establishments |       |       |       | Note | Number of persons engaged |          |          |         | Note | Wages and salaries paid to employees |        |         |          |
|---|------|--------------------------|-------|-------|-------|------|---------------------------|----------|----------|---------|------|--------------------------------------|--------|---------|----------|
|   |      | (numbers)                |       |       |       |      | (numbers)                 |          |          |         |      | (million ROUBLES)                    |        |         |          |
|   |      | 1985                     | 1990  | 1991  | 1992  |      | 1985                      | 1990     | 1991     | 1992    |      | 1985                                 | 1990   | 1991    | 1992     |
| 311/2 Food Products                       |      |                          | 1134  | 1114  | 783   |      |                           | 27835    | 27250    | 25678   |      |                                      | 83.2   | 133.7   | 1199.3   |
| 313 Beverages                             |      |                          | 31    | 34    | 41    |      |                           | 2896     | 2941     | 2886    |      |                                      | 8.0    | 11.0    | 118.1    |
| 314 Tobacco                               |      |                          | 6     | 6     | 6     |      |                           | 1471     | 1527     | 1421    |      |                                      | 5.9    | 10.1    | 92.2     |
| 321 Textiles                              |      |                          | 22    | 22    | 35    |      |                           | 29677    | 29371    | 32973   |      |                                      | 138.5  | 240.4   | 2000.9   |
| 322 Wearing apparel, except footwear      |      |                          | 109   | 110   | 74    |      |                           | 32321    | 31457    | 17965   |      |                                      | 103.9  | 202.3   | 852.4    |
| 323 Leather and fur products              |      |                          | 2     | 3     | 3     |      |                           | 1146     | 1251     | 1289    |      |                                      | 4.9    | 10.0    | 115.8    |
| 324 Footwear, except rubber or plastic    |      |                          | 10    | 27    | 40    |      |                           | 7038     | 6242     | 4738    |      |                                      | 25.3   | 42.8    | 185.3    |
| 331 Wood products, except furniture       |      |                          | 536   | 554   | 364   |      |                           | 4119     | 3629     | 2446    |      |                                      | 13.4   | 20.3    | 116.8    |
| 332 Furniture and fixtures, excl. metal   |      |                          | 9     | 9     | 9     |      |                           | 3668     | 3395     | 2986    |      |                                      | 13.8   | 22.0    | 166.9    |
| 341 Paper and products                    |      |                          | 1     | 1     | 2     |      |                           | 142      | 120      | 133     |      |                                      | 0.3    | 0.4     | 4.4      |
| 342 Printing and publishing               |      |                          | 23    | 23    | 21    |      |                           | 2212     | 2015     | 1793    |      |                                      | 9.2    | 11.4    | 77.5     |
| 351 Industrial chemicals                  |      |                          | -     | 1     | 1     |      |                           | -        | 262      | 250     |      |                                      | -      | 1.8     | 10.5     |
| 352 Other chemicals                       |      |                          | 6     | 6     | 6     |      |                           | 801      | 490      | 413     |      |                                      | 3.4    | 3.1     | 31.2     |
| 353 Petroleum refineries                  |      |                          | -     | -     | -     |      |                           | -        | -        | -       |      |                                      | -      | -       | -        |
| 354 Misc. petroleum and coal products     |      |                          | 19    | 16    | 16    |      |                           | 583      | 233      | 398     |      |                                      | 2.2    | 1.1     | 15.2     |
| 355 Rubber products                       |      |                          | -     | -     | 1     |      |                           | -        | -        | 282     |      |                                      | -      | -       | 11.8     |
| 356 Plastic products                      |      |                          | 2     | 2     | 2     |      |                           | 1201     | 1045     | 813     |      |                                      | 4.5    | 6.3     | 32.7     |
| 361 Pottery, china, earthenware           |      |                          | -     | -     | -     |      |                           | -        | -        | -       |      |                                      | -      | -       | -        |
| 362 Glass and products                    |      |                          | 2     | 2     | 2     |      |                           | 1297     | 1421     | 2162    |      |                                      | 5.5    | 11.2    | 151.8    |
| 369 Other non-metallic mineral products   |      |                          | 254   | 255   | 190   |      |                           | 19183    | 19478    | 16700   |      |                                      | 78.5   | 116.4   | 636.9    |
| 371 Iron and steel                        |      |                          | -     | -     | -     |      |                           | -        | -        | -       |      |                                      | -      | -       | -        |
| 372 Non-ferrous metals                    |      |                          | 4     | 4     | 5     |      |                           | 5538     | 5611     | 10412   |      |                                      | 32.0   | 53.1    | 736.3    |
| 381 Fabricated metal products             |      |                          | 691a/ | 659a/ | 438a/ |      |                           | 100741a/ | 102206a/ | 75996a/ |      |                                      | 4001a/ | 653.7a/ | 3383.3a/ |
| 382 Non-electrical machinery              |      |                          | a/    | a/    | a/    |      |                           | a/       | a/       | a/      |      |                                      | a/     | a/      | a/       |
| 383 Electrical machinery                  |      |                          | a/    | a/    | a/    |      |                           | a/       | a/       | a/      |      |                                      | a/     | a/      | a/       |
| 384 Transport equipment                   |      |                          | a/    | a/    | a/    |      |                           | a/       | a/       | a/      |      |                                      | a/     | a/      | a/       |
| 385 Professional and scientific equipment |      |                          | a/    | a/    | a/    |      |                           | a/       | a/       | a/      |      |                                      | a/     | a/      | a/       |
| 390 Other manufacturing industries        |      |                          | 95    | 95    | 75    |      |                           | 9421     | 8471     | 6437    |      |                                      | 32.2   | 33.2    | 213.8    |
| J Total manufacturing                     |      |                          | 2968  | 2942  | 2113  |      |                           | 251088   | 248415   | 208130  |      |                                      | 965.1  | 1584.2  | 10155.1  |

a/ 381 includes 382, 383, 384 and 385

## Kyrgyzstan

| ISIC Industry                             | Note | Output in producers' prices<br>(million ROUBLES) |          |          |           | Note | Value added<br>(million ROUBLES) |      |      |      | Share of value added in output<br>(percentage) |      | Share of wages and salaries in value added<br>(percentage) |      |  |
|---|------|--|----------|----------|-----------|------|----------------------------------|------|------|------|--|------|--|------|--|
|   |      | 1985   | 1990     | 1991     | 1992      |      | 1985                             | 1990 | 1991 | 1992 | 1985   | 1992 | 1985   | 1992 |  |
| 311/2 Food Products                       |      |  | 1246 2   | 3928 4   | 17690 2   |      |                                  |      |      |      |  |      |  |      |  |
| 313 Beverages                             |      |  | 73 8     | 201 4    | 1712 5    |      |                                  |      |      |      |  |      |  |      |  |
| 314 Tobacco                               |      |  | 352 3    | 568 3    | 4635 8    |      |                                  |      |      |      |  |      |  |      |  |
| 321 Textiles                              |      |  | 1372 3   | 3830 0   | 29450 0   |      |                                  |      |      |      |  |      |  |      |  |
| 322 Wearing apparel, except footwear      |      |  | 377 1    | 907 6    | 3785 2    |      |                                  |      |      |      |  |      |  |      |  |
| 323 Leather and fur products              |      |  | 28 3     | 55 7     | 452 3     |      |                                  |      |      |      |  |      |  |      |  |
| 324 Footwear, except rubber or plastic    |      |  | 81 0     | 180 5    | 868 2     |      |                                  |      |      |      |  |      |  |      |  |
| 331 Wood products, except furniture       |      |  | 41 6     | 74 7     | 494 5     |      |                                  |      |      |      |  |      |  |      |  |
| 332 Furniture and fixtures, excl. metal   |      |  | 53 7     | 111 3    | 710 6     |      |                                  |      |      |      |  |      |  |      |  |
| 341 Paper and products                    |      |  | 2 7      | 3 5      | 51 3      |      |                                  |      |      |      |  |      |  |      |  |
| 342 Printing and publishing               |      |  | 14 0     | 29 6     | 137 5     |      |                                  |      |      |      |  |      |  |      |  |
| 351 Industrial chemicals                  |      |  | -        | 8 7      | 37 1      |      |                                  |      |      |      |  |      |  |      |  |
| 352 Other chemicals                       |      |  | 26 9     | 77 3     | 309 7     |      |                                  |      |      |      |  |      |  |      |  |
| 353 Petroleum refineries                  |      |  | -        | -        | -         |      |                                  |      |      |      |  |      |  |      |  |
| 354 Misc. petroleum and coal products     |      |  | 7 9      | 6 6      | 143 3     |      |                                  |      |      |      |  |      |  |      |  |
| 355 Rubber products                       |      |  | -        | -        | 93 2      |      |                                  |      |      |      |  |      |  |      |  |
| 356 Plastic products                      |      |  | 18 2     | 25 0     | 90 0      |      |                                  |      |      |      |  |      |  |      |  |
| 361 Pottery, china, earthenware           |      |  | -        | -        | -         |      |                                  |      |      |      |  |      |  |      |  |
| 362 Glass and products                    |      |  | 13 6     | 28 6     | 1064 4    |      |                                  |      |      |      |  |      |  |      |  |
| 369 Other non-metallic mineral products   |      |  | 256 9    | 701 1    | 4939 6    |      |                                  |      |      |      |  |      |  |      |  |
| 371 Iron and steel                        |      |  | -        | -        | -         |      |                                  |      |      |      |  |      |  |      |  |
| 372 Non-ferrous metals                    |      |  | 190 7    | 323 5    | 6656 6    |      |                                  |      |      |      |  |      |  |      |  |
| 381 Fabricated metal products             |      |  | 2690 0a/ | 4866 6a/ | 39395 9a/ |      |                                  |      |      |      |  |      |  |      |  |
| 382 Non-electrical machinery              |      |  | a/       | a/       | a/        |      |                                  |      |      |      |  |      |  |      |  |
| 383 Electrical machinery                  |      |  | a/       | a/       | a/        |      |                                  |      |      |      |  |      |  |      |  |
| 384 Transport equipment                   |      |  | a/       | a/       | a/        |      |                                  |      |      |      |  |      |  |      |  |
| 385 Professional and scientific equipment |      |  | a/       | a/       | a/        |      |                                  |      |      |      |  |      |  |      |  |
| 390 Other manufacturing industries        |      |  | 65 7     | 131 8    | 1185 1    |      |                                  |      |      |      |  |      |  |      |  |
| 3 Total manufacturing                     |      |  | 6912 8   | 16061 1  | 113901 6  |      |                                  |      |      |      |  |      |  |      |  |

a/ 381 includes 382, 383, 384 and 385

## Kyrgyzstan

| ISIC Industry                             | Gross fixed capital formation |                   |      |      | Index numbers of industrial production |      |            |      |      |      |      |      |      |      |      |
|---|-------------------------------|-------------------|------|------|--|------|------------|------|------|------|------|------|------|------|------|
|   | Note                          | (million ROUBLES) |      |      |  | Note | (1980=100) |      |      |      |      |      |      |      |      |
|   |                               | 1985              | 1990 | 1991 | 1992                                   |      | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 313 Beverages                             |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 314 Tobacco                               |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 321 Textiles                              |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 322 Wearing apparel, except footwear      |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 323 Leather and fur products              |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 332 Furniture and fixtures, excl metal    |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 341 Paper and products                    |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 342 Printing and publishing               |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 352 Other chemicals                       |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 354 Misc petroleum and coal products      |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 355 Rubber products                       |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 356 Plastic products                      |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 362 Glass and products                    |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 371 Iron and steel                        |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 382 Non-electrical machinery              |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 384 Transport equipment                   |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 385 Professional and scientific equipment |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |                               |                   |      |      |  |      |            |      |      |      |      |      |      |      |      |

## LATVIA

**Supplier of information:**

State Committee for Statistics of the Republic of Latvia, Riga.

**Basic source of data:**

Annual survey of all enterprises with industrial activity.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

Not reported.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

No.

**Concepts and definitions of variables:**

**Number of establishments:** Prior to 1992 enterprises with industry as their principal activity are counted as one unit, but each of the non-industrial units (i.e., enterprises with industry as their secondary line of activity) are counted as one establishment and classified accordingly. Beginning 1992 all industrial activities of a non-industrial enterprise are classified as belonging to the single industrial branch that accounts for the largest share of such activities.

**Wages and salaries** is computed by UNIDO from reported wages and salaries per employee.

**Related national publications:**

## Latvia

| ISIC Industry                             | Note | Number of establishments |      |      |      | Note | Number of employees |        |        |      | Note   | Wages and salaries paid to employees |         |      |      |
|---|------|--------------------------|------|------|------|------|---------------------|--------|--------|------|--------|--------------------------------------|---------|------|------|
|   |      | (numbers)                |      |      |      |      | (numbers)           |        |        |      |        | (thousand LATS)                      |         |      |      |
|   |      | 1985                     | 1990 | 1991 | 1992 |      | 1985                | 1990   | 1991   | 1992 |        | 1985                                 | 1990    | 1991 | 1992 |
| 311/2 Food Products                       |      |                          | 1478 | 1445 | 566  |      | 36492               | 35119  | 50478  |      | 625 2  | 1234 8                               | 14786 0 |      |      |
| 313 Beverages                             |      |                          | 17   | 17   | 28   |      | 2798                | 2713   | 3168   |      | 48 0   | 100 9                                | 135 1   |      |      |
| 314 Tobacco                               |      |                          | 1    | 2    | 1    |      | 358                 | 357    | 362    |      | 6 4    | 22 6                                 | 178 0   |      |      |
| 321 Textiles                              |      |                          | 53   | 40   | 114  |      | 36911               | 33546  | 29380  |      | 615 7  | 1255 0                               | 7474 3  |      |      |
| 322 Wearing apparel, except footwear      |      |                          | 82   | 210  | 170  |      | 19456               | 23542  | 12842  |      | 319 9  | 788 2                                | 3332 1  |      |      |
| 323 Leather and fur products              |      |                          | 2    | 10   | 19   |      | 1910                | 1906   | 1797   |      | 38 5   | 72 7                                 | 554 8   |      |      |
| 324 Footwear, except rubber or plastic    |      |                          | 6    | 20   | 37   |      | 4518                | 4657   | 9576   |      | 94 3   | 176 6                                | 2954 4  |      |      |
| 331 Wood products, except furniture       |      |                          | 1302 | 1258 | 219  |      | 14577               | 15550  | 15421  |      | 269 4  | 548 6                                | 3895 3  |      |      |
| 332 Furniture and fixtures, excl. metal   |      |                          | 13   | 49   | 75   |      | 7396                | 8405   | 8654   |      | 142 0  | 301 6                                | 2150 7  |      |      |
| 341 Paper and products                    |      |                          | 12   | 16   | 26   |      | 3738                | 4051   | 3983   |      | 62 3   | 144 9                                | 968 3   |      |      |
| 342 Printing and publishing               |      |                          | 64   | 147  | 140  |      | 5327                | 4848   | 4571   |      | 96 2   | 159 4                                | 1139 3  |      |      |
| 351 Industrial chemicals                  |      |                          | 4    | 9    | 14   |      | 6898                | 6631   | 6525   |      | 114 2  | 226 0                                | 2425 7  |      |      |
| 352 Other chemicals                       |      |                          | 11   | 51   | 63   |      | 8514                | 8346   | 8193   |      | 192 1  | 412 6                                | 2995 7  |      |      |
| 353 Petroleum refineries                  |      |                          | 1    | 1    | 2    |      | 133                 | 123    | 120    |      | 2 4    | 3 9                                  | 30 3    |      |      |
| 354 Misc. petroleum and coal products     |      |                          | 1    | 8    | 6    |      | 2680                | 2451   | 218    |      | 50 5   | 101 2                                | 40 3    |      |      |
| 355 Rubber products                       |      |                          | 5    | 47   | 53   |      | 2876                | 3188   | 2416   |      | 54 5   | 137 0                                | 567 1   |      |      |
| 356 Plastic products                      |      |                          | 16   | 22   | 8    |      | 3151                | 3023   | 2885   |      | 57 1   | 118 3                                | 749 9   |      |      |
| 361 Pottery, china, earthenware           |      |                          | 5    | 17   | 14   |      | 5459                | 5240   | 4815   |      | 97 6   | 203 1                                | 1279 2  |      |      |
| 362 Glass and products                    |      |                          | 209  | 133  | 114  |      | 15711               | 16130  | 12610  |      | 324 3  | 602 0                                | 3195 9  |      |      |
| 369 Other non-metallic mineral products   |      |                          | 1    | 1    | 2    |      | 2557                | 2633   | 2782   |      | 53 1   | 112 8                                | 1063 9  |      |      |
| 371 Iron and steel                        |      |                          | 1    | 1    | 3    |      | 292                 | 236    | 178    |      | 6 1    | 8 2                                  | 43 0    |      |      |
| 372 Non-ferrous metals                    |      |                          | 96   | 118  | 126  |      | 15416               | 10975  | 8135   |      | 297 8  | 378 0                                | 2053 7  |      |      |
| 381 Fabricated metal products             |      |                          | 1052 | 1009 | 273  |      | 47367               | 42026  | 26555  |      | 829 9  | 1412 1                               | 6419 6  |      |      |
| 382 Non-electrical machinery              |      |                          | 20   | 47   | 81   |      | 55564               | 51010  | 41882  |      | 1080 2 | 1793 5                               | 9008 3  |      |      |
| 383 Electrical machinery                  |      |                          | 26   | 53   | 66   |      | 24773               | 22455  | 18064  |      | 499 4  | 878 4                                | 5753 0  |      |      |
| 384 Transport equipment                   |      |                          | 2    | 24   | 37   |      | 2203                | 2101   | 1094   |      | 42 0   | 67 3                                 | 204 5   |      |      |
| 385 Professional and scientific equipment |      |                          | 500  | 691  | 65   |      | 18445               | 17722  | 3401   |      | 349 7  | 561 4                                | 781 5   |      |      |
| 390 Other manufacturing industries        |      |                          | 4982 | 5496 | 2322 |      | 345520              | 328882 | 279805 |      | 6368 8 | 11822 1                              | 75473 9 |      |      |
| 3 Total manufacturing                     |      |                          |      |      |      |      |                     |        |        |      |        |                                      |         |      |      |



## Latvia

| ISIC Industry                             | Note | Output in producers' prices |         |          |          | Note | Value added     |      |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-----------------------------|---------|----------|----------|------|-----------------|------|------|------|--------------------------------|------|--|------|
|   |      | (thousand LATS)             |         |          |          |      | (thousand LATS) |      |      |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                        | 1990    | 1991     | 1992     |      | 1985            | 1990 | 1991 | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       |      |                             | 12671.6 | 31186.5  | 246810.7 |      |                 |      |      |      |                                |      |  |      |
| 313 Beverages                             |      |                             | 454.8   | 1758.1   | 18281.6  |      |                 |      |      |      |                                |      |  |      |
| 314 Tobacco                               |      |                             | 227.5   | 483.0    | 3729.7   |      |                 |      |      |      |                                |      |  |      |
| 321 Textiles                              |      |                             | 6953.4  | 18845.0  | 67477.2  |      |                 |      |      |      |                                |      |  |      |
| 322 Wearing apparel, except footwear      |      |                             | 1987.1  | 5929.7   | 17297.6  |      |                 |      |      |      |                                |      |  |      |
| 323 Leather and fur products              |      |                             | 310.8   | 1370.7   | 4564.4   |      |                 |      |      |      |                                |      |  |      |
| 324 Footwear, except rubber or plastic    |      |                             | 454.0   | 7596.4   | 20861.0  |      |                 |      |      |      |                                |      |  |      |
| 331 Wood products, except furniture       |      |                             | 1116.5  | 2966.4   | 28501.0  |      |                 |      |      |      |                                |      |  |      |
| 332 Furniture and fixtures, excl metal    |      |                             | 875.3   | 2093.3   | 14200.4  |      |                 |      |      |      |                                |      |  |      |
| 341 Paper and products                    |      |                             | 576.3   | 2439.1   | 11985.0  |      |                 |      |      |      |                                |      |  |      |
| 342 Printing and publishing               |      |                             | 619.0   | 1717.6   | 5359.6   |      |                 |      |      |      |                                |      |  |      |
| 351 Industrial chemicals                  |      |                             | 1439.5  | 2932.3   | 42746.3  |      |                 |      |      |      |                                |      |  |      |
| 352 Other chemicals                       |      |                             | 3073.7  | 6860.3   | 31383.3  |      |                 |      |      |      |                                |      |  |      |
| 353 Petroleum refineries                  |      |                             | 39.6    | 96.4     | 968.7    |      |                 |      |      |      |                                |      |  |      |
| 354 Misc. petroleum and coal products     |      |                             |         |          |          |      |                 |      |      |      |                                |      |  |      |
| 355 Rubber products                       |      |                             | 365.8   | 903.0    | 485.9    |      |                 |      |      |      |                                |      |  |      |
| 356 Plastic products                      |      |                             | 333.7   | 870.2    | 3292.1   |      |                 |      |      |      |                                |      |  |      |
| 361 Pottery, china, earthenware           |      |                             | 129.1   | 404.6    | 4001.9   |      |                 |      |      |      |                                |      |  |      |
| 362 Glass and products                    |      |                             | 412.4   | 1343.7   | 11359.2  |      |                 |      |      |      |                                |      |  |      |
| 369 Other non-metallic mineral products   |      |                             | 1407.1  | 3509.2   | 21942.4  |      |                 |      |      |      |                                |      |  |      |
| 371 Iron and steel                        |      |                             | 658.5   | 908.7    | 20625.8  |      |                 |      |      |      |                                |      |  |      |
| 372 Non-ferrous metal                     |      |                             | 57.0    | 106.5    | 512.7    |      |                 |      |      |      |                                |      |  |      |
| 381 Fabricated metal products             |      |                             | 1303.8  | 2068.5   | 10086.4  |      |                 |      |      |      |                                |      |  |      |
| 382 Non-electrical machinery              |      |                             | 3550.3  | 7299.2   | 38763.3  |      |                 |      |      |      |                                |      |  |      |
| 383 Electrical machinery                  |      |                             | 6836.7  | 11401.0  | 47323.9  |      |                 |      |      |      |                                |      |  |      |
| 384 Transport equipment                   |      |                             | 2299.2  | 5340.3   | 49378.6  |      |                 |      |      |      |                                |      |  |      |
| 385 Professional and scientific equipment |      |                             | 153.6   | 210.5    | 603.4    |      |                 |      |      |      |                                |      |  |      |
| 390 Other manufacturing industries        |      |                             | 2589.2  | 6463.1   | 5754.2   |      |                 |      |      |      |                                |      |  |      |
| 3 Total manufacturing                     |      |                             | 50895.5 | 122102.2 | 729296.2 |      |                 |      |      |      |                                |      |  |      |

## Latvia

| ISIC Industry                             | Note | Gross fixed capital formation |        |        |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|--------|--------|------|------|--|------|------|------|------|------|------|------|
|   |      | (thousand LATS)               |        |        |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990   | 1991   | 1992 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                               | 312.7  | 61.8   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 313 Beverages                             |      |                               | 7.6    | 18.1   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 314 Tobacco                               |      |                               | 1.2    | 1.9    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 321 Textiles                              |      |                               | 215.4  | 136.3  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 322 Wearing apparel, except footwear      |      |                               | 12.2   | -4.8   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 323 Leather and fur products              |      |                               | -7.2   | -28.5  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 324 Footwear, except rubber or plastic    |      |                               | -46.2  | 9.5    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 331 Wood products, except furniture       |      |                               | 20.7   | 47.2   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 332 Furniture and fixtures, excl metal    |      |                               | 23.9   | 26.2   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 341 Paper and products                    |      |                               | 0.8    | 54.5   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 342 Printing and publishing               |      |                               | 11.3   | 17.7   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 351 Industrial chemicals                  |      |                               | 47.1   | 26.6   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 352 Other chemicals                       |      |                               | 90.2   | 251.5  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 353 Petroleum refineries                  |      |                               | 0.5    | 0.7    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 354 Misc petroleum and coal products      |      |                               | ...    | ...    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 355 Rubber products                       |      |                               | 5.7    | 2.5    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 356 Plastic products                      |      |                               | 10.6   | 6.1    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 361 Pottery, china, earthenware           |      |                               | 2.4    | 2.1    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 362 Glass and products                    |      |                               | 8.3    | 10.2   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 369 Other non-metallic mineral products   |      |                               | 24.4   | 154.5  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 371 Iron and steel                        |      |                               | 16.5   | 22.4   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 372 Non-ferrous metals                    |      |                               | -0.3   | -0.5   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 381 Fabricated metal products             |      |                               | 9.3    | 15.9   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 382 Non-electrical machinery              |      |                               | 61.5   | 113.2  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 383 Electrical machinery                  |      |                               | 210.9  | 210.6  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 384 Transport equipment                   |      |                               | 76.5   | 130.1  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 385 Professional and scientific equipment |      |                               | 4.5    | -14.6  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 390 Other manufacturing industries        |      |                               | 112.0  | 36.8   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 3 Total manufacturing                     |      |                               | 1232.6 | 1298.1 | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |

## LESOTHO

**Supplier of information:**

Bureau of Statistics, Maseru.

**Basic source of data:**

Prior to 1992, annual survey of industrial production covering establishments with 5 or more persons engaged. Beginning 1992, quarterly survey of enterprises with 40 or more employees.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):**

Fiscal year, beginning 1 April of the year indicated.

**Scope:**

Prior to 1992, establishments with 5 or more persons engaged; beginning 1992, establishments with 40 or more persons engaged.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

No

**Concepts and definitions of variables:**

Wages and salaries includes employer's contribution to pension, medical and similar schemes.

**Related national publications:**

Census of Industrial Production; Statistical Reports; all published by the Bureau of Statistics, Maseru.

## Lesotho

| ISIC Industry                             | Number of establishments |           |       |      | Number of employees |      |           |        | Wages and salaries paid to employees |        |      |                   |      |      |         |
|---|--------------------------|-----------|-------|------|---------------------|------|-----------|--------|--------------------------------------|--------|------|-------------------|------|------|---------|
|   | Note                     | (numbers) |       |      |                     | Note | (numbers) |        |                                      |        | Note | (thousand MALOTI) |      |      |         |
|   |                          | 1985      | 1990  | 1991 | 1992                |      | 1985      | 1990a/ | 1991                                 | 1992a/ |      | 1985              | 1990 | 1991 | 1992    |
| 311/2 Food Products                       |                          | 11b/      | 28b/  | ...  | 10b/                |      | 1334b/    | 3018b/ | ...                                  | 2481b/ |      | 5449b/            | ...  | ...  | 21790b/ |
| 313 Beverages                             |                          | ...b/     | ...b/ | ...  | ...b/               |      | ...b/     | ...b/  | ...                                  | ...b/  |      | ...b/             | ...  | ...  | ...b/   |
| 314 Tobacco                               |                          | ...       | ...   | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...               | ...  | ...  | ...     |
| 321 Textiles                              |                          | 23c/      | 351d/ | ...  | 20d/                |      | 3293c/    | 8246d/ | ...                                  | 6748d/ |      | 3073c/            | ...  | ...  | 20689d/ |
| 322 Wearing apparel, except footwear      |                          | ...c/     | ...d/ | ...  | ...d/               |      | ...c/     | ...d/  | ...                                  | ...d/  |      | ...c/             | ...  | ...  | ...d/   |
| 323 Leather and fur products              |                          | ...c/     | 55e/  | ...  | 5e/                 |      | ...c/     | 2528e/ | ...                                  | 1906e/ |      | ...c/             | ...  | ...  | 7883e/  |
| 324 Footwear, except rubber or plastic    |                          | ...c/     | ...e/ | ...  | ...e/               |      | ...c/     | ...e/  | ...                                  | ...e/  |      | ...c/             | ...  | ...  | ...e/   |
| 331 Wood products, except furniture       |                          | ...       | ...   | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...               | ...  | ...  | ...     |
| 332 Furniture and fixtures, excl. metal   |                          | 14        | 92    | ...  | 1                   |      | 284       | 896    | ...                                  | ...    |      | 767               | ...  | ...  | ...     |
| 341 Paper and products                    |                          | ...       | ...   | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...               | ...  | ...  | ...     |
| 342 Printing and publishing               |                          | 4         | 6     | ...  | 2                   |      | 351       | 362    | ...                                  | 154    |      | 864               | ...  | ...  | 969     |
| 351 Industrial chemicals                  |                          | ...       | ...   | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...               | ...  | ...  | ...     |
| 352 Other chemicals                       |                          | 4         | 14    | ...  | 2                   |      | 192       | 678    | ...                                  | 187    |      | 936               | ...  | ...  | 2118    |
| 353 Petroleum refineries                  |                          | ...       | ...   | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...               | ...  | ...  | ...     |
| 354 Misc. petroleum and coal products     |                          | ...       | ...   | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...               | ...  | ...  | ...     |
| 355 Rubber products                       |                          | ...       | ...   | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...               | ...  | ...  | ...     |
| 356 Plastic products                      |                          | ...       | ...   | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...               | ...  | ...  | ...     |
| 361 Pottery, china, earthenware           |                          | ...       | ...   | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...               | ...  | ...  | ...     |
| 362 Glass and products                    |                          | ...       | ...   | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...               | ...  | ...  | ...     |
| 369 Other non-metallic mineral products   |                          | 6         | 41    | ...  | ...                 |      | 435       | 1098   | ...                                  | 240    |      | 862               | ...  | ...  | 1458    |
| 371 Iron and steel                        |                          | ...       | ...   | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...               | ...  | ...  | ...     |
| 372 Non-ferrous metals                    |                          | ...       | ...   | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...               | ...  | ...  | ...     |
| 381 Fabricated metal products             |                          | 11        | 74    | ...  | ...                 |      | 315       | 1143   | ...                                  | ...    |      | 788               | ...  | ...  | ...     |
| 382 Non-electrical machinery              |                          | ...       | ...   | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...               | ...  | ...  | ...     |
| 383 Electrical machinery                  |                          | ...       | ...   | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...               | ...  | ...  | ...     |
| 384 Transport equipment                   |                          | ...       | ...   | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...               | ...  | ...  | ...     |
| 385 Professional and scientific equipment |                          | ...       | ...   | ...  | ...                 |      | ...       | ...    | ...                                  | ...    |      | ...               | ...  | ...  | ...     |
| 390 Other manufacturing industries        | f/                       | 7         | 29    | ...  | 2                   | f/   | 400       | 763    | ...                                  | 404    | f/   | 439               | ...  | ...  | 780     |
| 3 Total manufacturing                     | g/                       | 80        | 688   | ...  | ...                 | g/   | 6604      | 18628  | ...                                  | ...    | g/   | 13168             | ...  | ...  | ...     |

a/ Number of persons engaged.  
c/ 321 includes 322, 323 and 324.  
e/ 323 includes 324.  
g/ Sum of available data

b/ 311/2 includes 313.  
d/ 321 includes 322.  
f/ Including manufacturing activities other than those for which separate data are shown.

## MACAU

**Supplier of information:**

Direcção de Serviços de Estatística e Censos, Macau.

**Basic source of data:**

Annual industrial census.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

All legal establishments.

**Method of enumeration:**

Individual site visits by enumerators.

**Adjusted for non-response:**

No.

**Concepts and definitions of variables:**

Number of employees relates to quarterly averages.

Output and value added are both measured according to the census concept.

**Related national publications:**

Inquerito Industrial (annual), published by the Direcção de Serviços de Estatística e Censos, Macau.

## Macau

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note  | Number of employees |       |       |      | Note   | Wages and salaries paid to employees |         |         |      |
|--|------|--------------------------|------|------|------|-------|---------------------|-------|-------|------|--------|--------------------------------------|---------|---------|------|
|  |      | (numbers)                |      |      |      |       | (numbers)           |       |       |      |        | (thousand PATAcAs)                   |         |         |      |
|  |      | 1985                     | 1990 | 1991 | 1992 |       | 1985                | 1990  | 1991  | 1992 |        | 1985                                 | 1990    | 1991    | 1992 |
| 311/2 Food Products                              |      | 74                       | 131  | 131  | 124  | 910   | 958                 | 878   | 760   |      | 14391  | 297.6                                | 30431   | 29402   |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 4                        | 10   | 10   | 9    | 40    | 122                 | 123   | 115   |      | 527    | 4405                                 | 4909    | 5265    |      |
| 3112 Dairy products                              |      | 1                        | 3    | 3    | 3    | 24    | 25                  | 25    | 25    |      | 515    | 792                                  | 915     | 874     |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 5                        | 5    | 3    | 3    | 109   | 48                  | 39    | 41    |      | 1534   | 1303                                 | 1106    | 1299    |      |
| 3114 Canning, preserving and processing of fish  |      | 4                        | 8    | 8    | 5    | 328   | 203                 | 188   | 102   |      | 5110   | 5948                                 | 6422    | 4128    |      |
| 3115 Vegetable and animal oils and fats          |      | -                        | 1    | 1    | 1    | -     | 9                   | 8     | 7     |      | -      | 340                                  | 318     | 364     |      |
| 3116 Grain mill products                         |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -      | -                                    | -       | -       |      |
| 3117 Bakery products                             |      | 48                       | 86   | 90   | 90   | 322   | 458                 | 417   | 410   |      | 5063   | 14630                                | 14362   | 16310   |      |
| 3118 Sugar factories and refineries              |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -      | -                                    | -       | -       |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | -                        | 1    | 1    | 1    | -     | 2                   | 1     | 1     |      | -      | 65                                   | 48      | 54      |      |
| 3121 Other food products                         |      | 12                       | 17   | 15   | 12   | 87    | 81                  | 77    | 99    |      | 1642   | 2236                                 | 2351    | 2108    |      |
| 3122 Prepared animal feeds                       |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -      | -                                    | -       | -       |      |
| 313 Beverages                                    |      | 15                       | 11   | 9    | 8    | 190   | 223                 | 187   | 186   |      | 3624   | 9940                                 | 9597    | 10817   |      |
| 3131 Distilling, rectifying and blending spirits |      | 12                       | 9    | 8    | 7    | 39    | 33                  | 23    | 22    |      | 461    | 583                                  | 445     | 498     |      |
| 3132 Wine industries                             |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -      | -                                    | -       | -       |      |
| 3133 Malt liquors and malt                       |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -      | -                                    | -       | -       |      |
| 3134 Soft drinks and carbonated waters           |      | 3                        | 2    | 1    | 1    | 151   | 190                 | 164   | 164   |      | 2173   | 9357                                 | 9152    | 10119   |      |
| 314 Tobacco                                      |      | 1                        | 1    | 1    | 1    | 54    | 39                  | 37    | 33    |      | 641    | 864                                  | 905     | 898     |      |
| 321 Textiles                                     |      | 130                      | 290  | 266  | 237  | 9114  | 10129               | 10490 | 9542  |      | 166399 | 352863                               | 371467  | 355066  |      |
| 3211 Spinning, weaving and finishing textiles    |      | 35                       | 78   | 80   | 69   | 2465  | 2468                | 2281  | 1951  |      | 47422  | 91124                                | 85614   | 77088   |      |
| 3212 Made-up textile goods excl wearing apparel  |      | 20                       | 34   | 35   | 35   | 279   | 527                 | 533   | 479   |      | 4996   | 18117                                | 18831   | 18800   |      |
| 3213 Knitting mills                              |      | 72                       | 165  | 141  | 123  | 6346  | 6837                | 7440  | 6922  |      | 113666 | 233116                               | 258806  | 261533  |      |
| 3214 Carpets and rugs                            |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -      | -                                    | -       | -       |      |
| 3215 Cordage, rope and twine                     |      | 3                        | 4    | 3    | 3    | 24    | 23                  | 17    | 17    |      | 318    | 533                                  | 416     | 287     |      |
| 3219 Other textiles                              |      | -                        | 9    | 7    | 7    | -     | 274                 | 219   | 173   |      | -      | 9974                                 | 7801    | 7258    |      |
| 322 Wearing apparel, except footwear             |      | 444                      | 745  | 687  | 644  | 28972 | 35527               | 34337 | 30984 |      | 460356 | 1088551                              | 1191118 | 1175943 |      |
| 323 Leather and fur products                     |      | 15                       | 16   | 12   | 10   | 1472  | 1079                | 871   | 668   |      | 25409  | 34108                                | 33796   | 27479   |      |
| 3231 Tanneries and leather finishing             |      | 2                        | 2    | 2    | 2    | 34    | 31                  | 26    | 27    |      | 528    | 1035                                 | 924     | 963     |      |
| 3232 Fur dressing and dyeing industries          |      | 1                        | 1    | 1    | 1    | 197   | 327                 | 274   | 319   |      | 4008   | 11894                                | 13406   | 14145   |      |
| 3233 Leather goods excl wearing apparel          |      | 12                       | 13   | 9    | 7    | 1241  | 721                 | 571   | 322   |      | 20873  | 21179                                | 19466   | 12371   |      |
| 324 Footwear, except rubber or plastic           |      | 11                       | 26   | 25   | 18   | 318   | 681                 | 780   | 547   |      | 4265   | 22486                                | 25427   | 19868   |      |
| 331 Wood products, except furniture              |      | 32                       | 53   | 45   | 36   | 190   | 214                 | 132   | 103   |      | 2901   | 7684                                 | 5468    | 4936    |      |
| 3311 Sawmills, planing and other wood mills      |      | 5                        | 20   | 19   | 15   | 27    | 119                 | 93    | 86    |      | 404    | 5122                                 | 4079    | 4289    |      |
| 3312 Wooden and cane containers                  |      | 15                       | 15   | 13   | 10   | 116   | 41                  | 23    | 11    |      | 1647   | 995                                  | 712     | 397     |      |
| 3319 Other wood and cork products                |      | 12                       | 18   | 13   | 11   | 47    | 54                  | 16    | 6     |      | 850    | 1666                                 | 677     | 252     |      |
| 332 Furniture and fixtures, excl metal           |      | 44                       | 194  | 165  | 158  | 771   | 717                 | 559   | 484   |      | 14176  | 25930                                | 21602   | 21470   |      |
| 341 Paper and products                           |      | 35                       | 47   | 44   | 41   | 478   | 573                 | 471   | 377   |      | 8696   | 18567                                | 17144   | 14390   |      |
| 3411 Pulp, paper and paperboard articles         |      | 4                        | 2    | 2    | 1    | 86    | 18                  | 32    | 27    |      | 1530   | 502                                  | 1171    | 1030    |      |
| 3412 Containers of paper and paperboard          |      | 26                       | 37   | 35   | 32   | 370   | 514                 | 407   | 317   |      | 6846   | 16952                                | 14977   | 12245   |      |
| 3419 Other pulp, paper and paperboard articles   |      | 5                        | 8    | 7    | 8    | 22    | 41                  | 32    | 33    |      | 319    | 1103                                 | 996     | 1115    |      |
| 342 Printing and publishing                      |      | 51                       | 94   | 92   | 96   | 934   | 1283                | 1218  | 1248  |      | 20211  | 50916                                | 54013   | 60463   |      |
| 351 Industrial chemicals                         |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -      | -                                    | -       | -       |      |
| 3511 Basic chemicals excl fertilizers            |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -      | -                                    | -       | -       |      |
| 3512 Fertilizers and pesticides                  |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -      | -                                    | -       | -       |      |
| 3513 Synthetic resins and plastic materials      |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -      | -                                    | -       | -       |      |
| 352 Other chemicals                              |      | 10                       | 14   | 11   | 11   | 459   | 311                 | 278   | 254   |      | 6180   | 12477                                | 12393   | 13364   |      |
| 3521 Paints, varnishes and lacquers              |      | -                        | 1    | 1    | 1    | -     | 18                  | 16    | 18    |      | -      | 622                                  | 572     | 923     |      |
| 3522 Drugs and medicines                         |      | 2                        | 6    | 7    | 6    | 17    | 105                 | 99    | 96    |      | 269    | 6429                                 | 6651    | 6846    |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | -                        | 1    | 1    | 1    | -     | 5                   | 1     | 1     |      | -      | 155                                  | 33      | 34      |      |
| 3529 Other chemical products                     |      | 8                        | 6    | 2    | 3    | 442   | 183                 | 160   | 139   |      | 5811   | 5271                                 | 5137    | 5551    |      |
| 353 Petroleum refineries                         |      | -                        | -    | -    | -    | -     | -                   | -     | -     |      | -      | -                                    | -       | -       |      |

|   |      |      |      |      |       |       |       |       |        |         |         |         |         |        |        |
|---|------|------|------|------|-------|-------|-------|-------|--------|---------|---------|---------|---------|--------|--------|
| 354 Misc petroleum and coal products            | -    | -    | -    | -    | -     | -     | -     | -     | -      | -       | -       | -       | -       |        |        |
| 355 Rubber products                             | 1    | 1    | 1    | 1    | 34    | 16    | 14    | 13    | 432    | 592     | 540     | 504     | 504     |        |        |
| 3551 Tyres and tubes                            | -    | -    | -    | -    | -     | -     | -     | -     | -      | -       | -       | -       | -       |        |        |
| 3559 Other rubber products                      | 1    | 1    | 1    | 1    | 34    | 16    | 14    | 13    | 432    | 592     | 540     | 504     | 504     |        |        |
| 356 Plastic products                            | 22   | 30   | 29   | 26   | 278   | 335   | 557   | 481   | 5400   | 11854   | 17553   | 19751   | 19751   |        |        |
| 361 Pottery, china, earthenware                 | 14   | 13   | 8    | 2    | 594   | 620   | 305   | 135   | 13317  | 20981   | 10355   | 5537    | 5537    |        |        |
| 362 Glass and products                          | 5    | 14   | 13   | 13   | 10    | 29    | 24    | 21    | 188    | 1230    | 1488    | 1287    | 1287    |        |        |
| 369 Other non-metallic mineral products         | 4    | 10   | 11   | 12   | 40    | 37    | 55    | 104   | 738    | 1091    | 2304    | 7685    | 7685    |        |        |
| 3691 Structural clay products                   | -    | -    | -    | -    | -     | -     | -     | -     | -      | -       | -       | -       | -       |        |        |
| 3692 Cement, lime and plaster                   | 1    | -    | -    | -    | -     | -     | -     | -     | -      | -       | -       | -       | -       |        |        |
| 3699 Other non-metallic mineral products        | 3    | 10   | 11   | 12   | 40    | 37    | 55    | 104   | 738    | 1091    | 2304    | 7685    | 7685    |        |        |
| 371 Iron and steel                              | -    | -    | -    | -    | -     | -     | -     | -     | -      | -       | -       | -       | -       |        |        |
| 372 Non-ferrous metals                          | -    | -    | -    | -    | -     | -     | -     | -     | -      | -       | -       | -       | -       |        |        |
| 381 Fabricated metal products                   | 68   | 282  | 265  | 254  | 353   | 890   | 785   | 743   | 6393   | 32393   | 33032   | 34379   | 34379   |        |        |
| 3811 Cutlery, hand tools and general hardware   | 4    | 23   | 13   | 10   | 27    | 61    | 51    | 28    | 565    | 2214    | 2302    | 1489    | 1489    |        |        |
| 3812 Furniture and fixtures primarily of metal  | 1    | 1    | 2    | 1    | 10    | 2     | 5     | -     | 232    | 72      | 281     | -       | -       |        |        |
| 3813 Structural metal products                  | 43   | 213  | 212  | 209  | 229   | 612   | 555   | 537   | 4033   | 20917   | 22413   | 24651   | 24651   |        |        |
| 3819 Other fabricated metal products            | 20   | 45   | 38   | 34   | 87    | 215   | 173   | 178   | 1563   | 9190    | 8036    | 8239    | 8239    |        |        |
| 382 Non-electrical machinery                    | 19   | 56   | 57   | 24   | 58    | 103   | 163   | 86    | 1218   | 5036    | 6169    | 4225    | 4225    |        |        |
| 3821 Engines and turbines                       | -    | 1    | 1    | -    | -     | 3     | -     | -     | -      | 98      | -       | -       | -       |        |        |
| 3822 Agricultural machinery and equipment       | -    | -    | -    | -    | -     | -     | -     | -     | -      | -       | -       | -       | -       |        |        |
| 3823 Metal and wood working machinery           | 1    | 2    | 3    | 1    | 4     | 5     | 5     | 5     | 60     | 105     | 99      | 96      | 96      |        |        |
| 3824 Other special industrial machinery         | 7    | 40   | 40   | 15   | 38    | 105   | 128   | 53    | 740    | 3981    | 4858    | 3008    | 3008    |        |        |
| 3825 Office, computing and accounting machinery | 4    | 1    | 1    | 1    | -     | -     | -     | -     | -      | -       | -       | -       | -       |        |        |
| 3829 Other non-electrical machinery & equipment | 7    | 12   | 12   | 7    | 16    | 25    | 27    | 28    | 418    | 852     | 1202    | 1122    | 1122    |        |        |
| 383 Electrical machinery                        | a/   | 37   | 19   | 10   | 38    | a/    | 2763  | 888   | 529    | 657     | a/      | 39340   | 32600   | 18600  | 24300  |
| 3831 Electrical industrial machinery            | -    | -    | -    | -    | -     | -     | -     | -     | -      | -       | -       | -       | -       | -      | -      |
| 3832 Radio, television and communication equipm | 21   | 7    | 4    | 4    | 1747  | 116   | 104   | 47    | 23160  | 2964    | 4257    | 1491    | 1491    |        |        |
| 3833 Electrical appliances and housewares       | -    | -    | -    | 3    | -     | -     | -     | 3     | -      | -       | -       | 150     | 150     |        |        |
| 3839 Other electrical apparatus and supplies    | 16   | 12   | 6    | 29   | 1016  | 393   | 268   | 389   | 16190  | 11455   | 9082    | 14507   | 14507   |        |        |
| 384 Transport equipment                         | 34   | 71   | 65   | 63   | 482   | 512   | 473   | 413   | 16453  | 28192   | 31183   | 29090   | 29090   |        |        |
| 3841 Shipbuilding and repairing                 | 33   | 70   | 64   | 62   | 479   | 510   | 473   | 413   | 16423  | 28165   | 31168   | 29072   | 29072   |        |        |
| 3842 Railroad equipment                         | -    | -    | -    | -    | -     | -     | -     | -     | -      | -       | -       | -       | -       |        |        |
| 3843 Motor vehicles                             | -    | -    | -    | -    | -     | -     | -     | -     | -      | -       | -       | -       | -       |        |        |
| 3844 Motorcycles and bicycles                   | -    | -    | -    | -    | -     | -     | -     | -     | -      | -       | -       | -       | -       |        |        |
| 3845 Aircraft                                   | -    | -    | -    | -    | -     | -     | -     | -     | -      | -       | -       | -       | -       |        |        |
| 3849 Other transport equipment                  | 1    | 1    | 1    | 1    | 3     | 2     | -     | -     | 30     | 27      | 15      | 18      | 18      |        |        |
| 385 Professional and scientific equipment       | 8    | 2    | 2    | 2    | 841   | 631   | 659   | 584   | 14257  | 21138   | 23173   | 23532   | 23532   |        |        |
| 3851 Prof and scientific equipment n.e.c.       | -    | -    | -    | -    | -     | -     | -     | -     | -      | -       | -       | -       | -       |        |        |
| 3852 Photographic and optical goods             | 6    | 2    | 2    | 2    | 733   | 631   | 659   | 584   | 12690  | 21138   | 23173   | 23532   | 23532   |        |        |
| 3853 Watches and clocks                         | 2    | -    | -    | -    | 108   | -     | -     | -     | 1567   | -       | -       | -       | -       |        |        |
| 390 Other manufacturing industries              | a/   | 133  | 106  | 78   | 92    | a/    | 10123 | 7152  | 4855   | 4004    | a/      | 172655  | 252500  | 172700 | 141300 |
| 3901 Jewellery and related articles             | -    | 12   | 16   | 14   | -     | 71    | 95    | 85    | -      | 2126    | 2733    | 3152    | 3152    |        |        |
| 3902 Musical instruments                        | -    | 1    | 1    | 1    | -     | 36    | 37    | 37    | -      | 1544    | 1577    | 1547    | 1547    |        |        |
| 3903 Sporting and athletic goods                | -    | 3    | 3    | 3    | -     | 142   | 162   | 178   | -      | 4219    | 5852    | 6691    | 6691    |        |        |
| 3909 Manufacturing industries, n.e.c.           | 133  | 90   | 58   | 51   | 10123 | 1157  | 455   | 294   | 172655 | 32814   | 14861   | 10161   | 10161   |        |        |
| 3 Total manufacturing                           | 1207 | 2226 | 2027 | 1911 | 59438 | 62982 | 58652 | 52427 | 997619 | 2061698 | 2090458 | 2035469 | 2035469 |        |        |

a/ Including data not shown at the detailed industry level

## Macau

| ISIC Industry                                      | Note | Output in producers' prices<br>(thousand PATA CAS) |         |         |         | Note | Value added in producers' prices<br>(thousand PATA CAS) |         |         |         | Share of value added in output<br>(percentage) |      | Share of wages and salaries in value added<br>(percentage) |      |
|--|------|--|---------|---------|---------|------|---|---------|---------|---------|--|------|--|------|
|  |      | 1985   | 1990    | 1991    | 1992    |      | 1985  | 1990    | 1991    | 1992    | 1985   | 1992 | 1985   | 1992 |
| 311/2 Food Products                                |      | 108853   | 134660  | 137867  | 138178  |      | 23136   | 45550   | 48054   | 46843   | 21.3   | 33.9 | 62.2   | 62.8 |
| 3111 Slaughtering, preparing & preserving meat     |      | 2528   | 15229   | 16258   | 15433   |      | 689   | 7977    | 8896    | 8934    | 27.3   | 57.9 | 76.6   | 58.9 |
| 3112 Dairy products                                |      | 2178   | 2578    | 2855    | 2751    |      | 855   | 1129    | 1243    | 1313    | 39.3   | 47.7 | 60.2   | 66.6 |
| 3113 Canning, preserving of fruits & vegetables    |      | 20045  | 8854    | 7856    | 8874    |      | 3128  | 2157    | 2177    | 2357    | 15.6   | 26.6 | 49.0   | 55.1 |
| 3114 Canning, preserving and processing of fish    |      | 57276  | 47167   | 48369   | 43438   |      | 7965  | 7531    | 6877    | 3769    | 13.9   | 8.7  | 64.2   |      |
| 3115 Vegetable and animal oils and fats            |      | -  | 965     | 931     | 1041    |      | -   | 523     | 549     | 599     | -  | 57.5 |  | 60.8 |
| 3116 Grain mill products                           |      | -  | -       | -       | -       |      | -   | -       | -       | -       | -  | -    | -  | -    |
| 3117 Bakery products                               |      | 22286  | 53928   | 55084   | 61187   |      | 8831  | 24201   | 25417   | 27606   | 39.6   | 45.1 | 57.3   | 55.6 |
| 3118 Sugar factories and refineries                |      | -  | -       | -       | -       |      | -   | -       | -       | -       | -  | -    | -  | -    |
| 3119 Cocoa, chocolate and sugar confectionery      |      | -  | 350     | 420     | 360     |      | -   | 267     | 263     | 180     | -  | 50.0 | -  | 30.0 |
| 3121 Other food products                           |      | 4540   | 5589    | 6094    | 5094    |      | 1668  | 1765    | 2632    | 2086    | 36.7   | 41.0 | 98.4   |      |
| 3122 Prepared animal feeds                         |      | -  | -       | -       | -       |      | -   | -       | -       | -       | -  | -    | -  | -    |
| 313 Beverages                                      |      | 21867  | 90437   | 76777   | 73682   |      | 9594  | 32549   | 21797   | 22031   | 43.9   | 29.9 | 37.8   | 43.2 |
| 3131 Distilling, rectifying and blending spirits   |      | 3014   | 3659    | 2815    | 3030    |      | 835   | 1134    | 988     | 1059    | 27.7   | 34.4 | 54.0   | 47.0 |
| 3132 Wine industries                               |      | -  | -       | -       | -       |      | -   | -       | -       | -       | -  | -    | -  | -    |
| 3133 Malt liquors and malt                         |      | -  | -       | -       | -       |      | -   | -       | -       | -       | -  | -    | -  | -    |
| 3134 Soft drinks and carbonated waters             |      | 18853  | 86778   | 73962   | 70602   |      | 8759  | 31415   | 20809   | 20972   | 46.6   | 29.7 | 36.2   | 48.3 |
| 314 Tobacco  |      | 2909   | 2507    | 3001    | 2716    |      | 1036  | 1231    | 1358    | 1329    | 35.6   | 48.9 | 61.9   | 67.6 |
| 321 Textiles                                       |      | 1330636  | 2615317 | 2748909 | 2924403 |      | 343577  | 735868  | 772199  | 851820  | 25.8   | 29.1 | 48.4   | 42.9 |
| 3211 Spinning, weaving and finishing textiles      |      | 415767   | 685402  | 771434  | 584071  |      | 111524  | 185730  | 223873  | 154335  | 26.8   | 26.4 | 42.6   | 49.9 |
| 3212 Made-up textile goods (excl. wearing apparel) |      | 22096  | 49283   | 47288   | 47395   |      | 5422  | 32270   | 32686   | 30866   | 24.5   | 66.1 | 92.1   | 60.9 |
| 3213 Knitting mills                                |      | 891950   | 1818057 | 1874499 | 2232146 |      | 226142  | 501609  | 495615  | 651924  | 25.4   | 29.2 | 50.3   | 40.1 |
| 3214 Carpets and rugs                              |      | -  | -       | -       | -       |      | -   | -       | -       | -       | -  | -    | -  | -    |
| 3215 Cordage, rope and twine                       |      | 823  | 1505    | 1008    | 916     |      | 489   | 842     | 446     | 428     | 59.4   | 46.7 | 64.6   | 67.1 |
| 3219 Other textiles                                |      | -  | 61070   | 54680   | 59875   |      | -   | 15417   | 19579   | 14267   | -  | 23.8 | -  | 50.9 |
| 322 Wearing apparel, except footwear               |      | 2836832  | 6828217 | 7037435 | 7316183 |      | 789761  | 1851615 | 2021780 | 2168537 | 27.8   | 29.6 | 58.3   | 54.2 |
| 323 Leather and fur products                       |      | 117973   | 206339  | 209011  | 154504  |      | 33734   | 67963   | 63077   | 43747   | 28.6   | 28.3 | 75.3   | 62.8 |
| 3231 Tanneries and leather finishing               |      | 2914   | 3595    | 3001    | 3703    |      | 852   | 1324    | 1357    | 1596    | 29.2   | 43.1 | 62.0   | 60.4 |
| 3232 Fur dressing and dyeing industries            |      | 23546  | 97240   | 113810  | 113798  |      | 3117  | 31689   | 32095   | 28854   | 13.2   | 25.4 | 49.0   | 49.0 |
| 3233 Leather prods excl. wearing apparel           |      | 91513  | 105504  | 92200   | 37003   |      | 29765   | 34950   | 29625   | 13298   | 32.6   | 35.9 | 70.1   | 93.0 |
| 324 Footwear, except rubber or plastic             |      | 14242  | 122962  | 150231  | 113559  |      | 7605  | 36696   | 38522   | 31127   | 63.4   | 27.4 | 56.1   | 63.8 |
| 331 Wood products, except furniture                |      | 11542  | 26596   | 18679   | 20257   |      | 5149  | 12872   | 8905    | 7544    | 44.6   | 37.2 | 56.3   | 65.6 |
| 3311 Sawmills, planing and other wood mills        |      | 2431   | 18295   | 13640   | 17068   |      | 819   | 8801    | 6291    | 6141    | 33.7   | 36.0 | 49.3   | 69.8 |
| 3312 Wooden and cane containers                    |      | 5974   | 3823    | 2477    | 1386    |      | 2773  | 1555    | 1453    | 784     | 46.4   | 56.6 | 59.4   | 60.6 |
| 3319 Other wood and cork products                  |      | 3137   | 4478    | 2562    | 1803    |      | 1557  | 2516    | 1161    | 619     | 49.6   | 34.3 | 54.6   | 40.7 |
| 332 Furniture and fixtures, excl. metal            |      | 42037  | 84906   | 73646   | 68399   |      | 19182   | 40486   | 37494   | 33909   | 45.6   | 49.6 | 73.9   | 63.3 |
| 341 Paper and products                             |      | 56927  | 103654  | 94530   | 88075   |      | 14986   | 31662   | 28522   | 26578   | 26.3   | 30.2 | 58.0   | 54.1 |
| 3411 Pulp, paper and paperboard articles           |      | 9518   | 2617    | 4786    | 3502    |      | 2915  | 706     | 1837    | 1511    | 30.6   | 45.8 | 52.5   | 68.2 |
| 3412 Containers of paper and paperboard            |      | 45676  | 93619   | 83894   | 77206   |      | 11433   | 28033   | 24490   | 21400   | 25.0   | 27.7 | 59.9   | 57.2 |
| 3419 Other pulp, paper and paperboard articles     |      | 1733   | 7418    | 5850    | 7567    |      | 638   | 2923    | 2195    | 3667    | 36.8   | 48.6 | 50.0   | 30.4 |
| 342 Printing and publishing                        |      | 54307  | 157387  | 182202  | 218830  |      | 26020   | 72699   | 85043   | 109790  | 47.9   | 50.2 | 77.7   | 55.1 |
| 351 Industrial chemicals                           |      | -  | -       | -       | -       |      | -   | -       | -       | -       | -  | -    | -  | -    |
| 3511 Basic chemicals excl. fertilizers             |      | -  | -       | -       | -       |      | -   | -       | -       | -       | -  | -    | -  | -    |
| 3512 Fertilizers and pesticides                    |      | -  | -       | -       | -       |      | -   | -       | -       | -       | -  | -    | -  | -    |
| 3513 Synthetic resins and plastic materials        |      | -  | -       | -       | -       |      | -   | -       | -       | -       | -  | -    | -  | -    |
| 352 Other chemicals                                |      | 22478  | 93508   | 87190   | 96196   |      | 10573   | 46398   | 40120   | 33507   | 47.0   | 34.8 | 58.3   | 39.9 |
| 3521 Paints, varnishes and lacquers                |      | -  | 4032    | 3639    | 5927    |      | -   | 849     | 2042    | 2718    | -  | 45.9 | -  | 34.0 |
| 3522 Drugs and medicines                           |      | 1377   | 71694   | 58486   | 53968   |      | 573   | 31247   | 25232   | 13251   | 41.6   | 24.6 | 46.9   | 51.7 |
| 3523 Soap, cleaning preps, perfumes, cosmetics     |      | -  | 140     | 409     | 630     |      | -   | 24      | 177     | 276     | -  | 43.8 | -  | 12.3 |
| 3529 Other chemical products                       |      | 21101  | 17642   | 24666   | 35671   |      | 10000   | 14278   | 12669   | 17262   | 47.4   | 48.4 | 58.9   | 32.2 |
| 36 Petroleum refineries                            |      | -  | -       | -       | -       |      | -   | -       | -       | -       | -  | -    | -  | -    |



|   |            |          |          |          |           |         |         |         |      |      |      |      |   |
|---|------------|----------|----------|----------|-----------|---------|---------|---------|------|------|------|------|---|
| 354 Misc petroleum and coal products            | -          | -        | -        | -        | -         | -       | -       | -       | -    | -    | -    | -    | - |
| 355 Rubber products                             | 2666       | 2343     | 2660     | 1883     | 661       | 1648    | 936     | 778     | 24.8 | 41.3 | 55.4 | 64.8 |   |
| 3551 Tyres and tubes                            | -          | -        | -        | -        | -         | -       | -       | -       | -    | -    | -    | -    | - |
| 3559 Other rubber products                      | 2666       | 2343     | 2660     | 1883     | 661       | 1648    | 936     | 778     | 24.8 | 41.3 | 55.4 | 64.8 |   |
| 356 Plastic products                            | 47400      | 76000    | 248542   | 278823   | 9300      | 22791   | 63312   | 62617   | 19.6 | 18.9 | 58.1 | 37.6 |   |
| 361 Pottery, china, earthenware                 | 43786      | 51504    | 25409    | 10167    | 18893     | 26040   | 16308   | 7818    | 43.1 | 78.9 | 70.5 | 70.8 |   |
| 362 Glass and products                          | 1121       | 6033     | 6751     | 7771     | 419       | 2684    | 2663    | 3267    | 37.4 | 42.0 | 44.9 | 39.4 |   |
| 369 Other non-metallic mineral products         | 1928       | 4851     | 29356    | 108453   | 787       | 1672    | 8924    | 22337   | 40.8 | 20.6 | 93.8 | 34.4 |   |
| 3691 Structural clay products                   | -          | -        | -        | -        | -         | -       | -       | -       | -    | -    | -    | -    | - |
| 3692 Cement, lime and plaster                   | -          | -        | -        | -        | -         | -       | -       | -       | -    | -    | -    | -    | - |
| 3699 Other non-metallic mineral products        | 1928       | 4851     | 29356    | 108453   | 787       | 1672    | 8924    | 22337   | 40.8 | 20.6 | 93.8 | 34.4 |   |
| 371 Iron and steel                              | -          | -        | -        | -        | -         | -       | -       | -       | -    | -    | -    | -    | - |
| 372 Non-ferrous metals                          | -          | -        | -        | -        | -         | -       | -       | -       | -    | -    | -    | -    | - |
| 381 Fabricated metal products                   | 24035      | 148944   | 152949   | 158200   | 10354     | 64323   | 66945   | 64419   | 43.1 | 40.7 | 61.7 | 53.4 |   |
| 3811 Cutlery, hand tools and general hardware   | 1300       | 6542     | 6790     | 4501     | 804       | 3631    | 3727    | 2612    | 61.8 | 58.0 | 70.3 | 57.0 |   |
| 3812 Furniture and fixtures primarily of metal  | 710        | 200      | 1652     | 199      | 319       | 125     | 690     | 98      | 44.9 | 49.2 | 72.7 |      |   |
| 3813 Structural metal products                  | 13121      | 74061    | 85592    | 90973    | 6026      | 36800   | 40852   | 45996   | 45.9 | 50.6 | 66.9 | 53.6 |   |
| 3819 Other fabricated metal products            | 8904       | 68141    | 58916    | 62527    | 3206      | 23767   | 21676   | 15714   | 36.0 | 26.1 | 48.8 | 52.4 |   |
| 382 Non-electrical machinery                    | 3178       | 17229    | 39483    | 14832    | 1627      | 10427   | 17918   | 4802    | 51.2 | 32.4 | 74.9 | 88.0 |   |
| 3821 Engines and turbines                       | -          | 324      | 324      | -        | -         | 187     | 187     | -       | -    | -    | -    | -    | - |
| 3822 Agricultural machinery and equipment       | -          | -        | -        | -        | -         | -       | -       | -       | -    | -    | -    | -    | - |
| 3823 Metal and wood working machinery           | 120        | 199      | 306      | 186      | 86        | 185     | 273     | 160     | 70.8 | 86.0 | 70.6 | 60.0 |   |
| 3824 Other special industrial machinery         | 2686       | 13314    | 27140    | 6450     | 1374      | 8364    | 11382   | 4066    | 51.2 | 62.9 | 63.9 | 74.2 |   |
| 3825 Office, computing and accounting machinery | 20         | 30       | 30       | 22       | 8         | 17      | 20      | 13      | 40.0 | 59.1 |      |      |   |
| 3829 Other non-electrical machinery & equipment | 352        | 3362     | 11683    | 8174     | 160       | 1674    | 6066    | 673     | 46.6 | 7.0  | -    | -    |   |
| 383 Electrical machinery                        | a/ 213656  | 294000   | 227000   | 207000   | a/ 62938  | 57000   | 36800   | 49800   | 29.5 | 24.1 | 62.6 | 48.8 |   |
| 3831 Electrical industrial machinery            | -          | -        | -        | -        | -         | -       | -       | -       | -    | -    | -    | -    | - |
| 3832 Radio, television and communication equipm | 144746     | 35301    | 42973    | 2086     | 28577     | 3966    | 7237    | 1507    | 19.7 | 72.2 | 81.0 | 98.9 |   |
| 3833 Electrical appliances and housewares       | -          | -        | -        | 372      | -         | -       | -       | 169     | -    | 42.7 | -    | 94.3 |   |
| 3839 Other electrical apparatus and supplies    | 68910      | 207012   | 156779   | 142342   | 34361     | 27884   | 19187   | 33812   | 49.9 | 23.8 | 47.1 | 42.9 |   |
| 384 Transport equipment                         | 40914      | 61035    | 78143    | 71714    | 18849     | 29064   | 39763   | 35741   | 46.1 | 49.8 | 87.3 | 81.4 |   |
| 3841 Shipbuilding and repairing                 | 40699      | 60733    | 77820    | 71373    | 18786     | 28981   | 39694   | 35660   | 46.2 | 50.0 | 87.4 | 81.6 |   |
| 3842 Railroad equipment                         | -          | -        | -        | -        | -         | -       | -       | -       | -    | -    | -    | -    | - |
| 3843 Motor vehicles                             | -          | -        | -        | -        | -         | -       | -       | -       | -    | -    | -    | -    | - |
| 3844 Motorcycles and bicycles                   | -          | -        | -        | -        | -         | -       | -       | -       | -    | -    | -    | -    | - |
| 3845 Aircraft                                   | -          | -        | -        | -        | -         | -       | -       | -       | -    | -    | -    | -    | - |
| 3849 Other transport equipment                  | 215        | 302      | 323      | 341      | 63        | 83      | 69      | 81      | 29.3 | 23.8 | 47.6 | 22.2 |   |
| 385 Professional and scientific equipment       | 55032      | 80792    | 94069    | 80667    | 25317     | 28767   | 33134   | 29329   | 46.0 | 36.4 | 56.3 | 80.2 |   |
| 3851 Prof and scientific equipment n e c        | -          | -        | -        | -        | -         | -       | -       | -       | -    | -    | -    | -    | - |
| 3852 Photographic and optical goods             | 48065      | 80792    | 94069    | 80667    | 23909     | 28767   | 33134   | 29329   | 49.7 | 36.4 | 53.1 | 80.2 |   |
| 3853 Watches and clocks                         | 6967       | -        | -        | -        | 1408      | -       | -       | -       | 20.2 | -    | -    | -    | - |
| 390 Other manufacturing industries              | a/ 1020348 | 1793000  | 1239000  | 960000   | a/ 367606 | 544100  | 362400  | 253400  | 36.0 | 26.4 | 47.0 | 56.8 |   |
| 3901 Jewellery and related articles             | -          | 4032     | 27126    | 30641    | -         | 2841    | 2113    | 4406    | -    | 14.4 | -    | 71.8 |   |
| 3902 Musical instruments                        | -          | 13989    | 16531    | 16121    | -         | 3889    | 4688    | 4711    | -    | 29.2 | -    | 32.8 |   |
| 3903 Sporting and athletic goods                | -          | 39075    | 53468    | 58272    | -         | 11466   | 13714   | 13002   | -    | 22.3 | -    | 51.6 |   |
| 3909 Manufacturing industries, n e c            | 1020348    | 281663   | 85382    | 67036    | 367606    | 80261   | 29388   | 19963   | 36.0 | 35.0 | 47.0 | 60.9 |   |
| 3 Total manufacturing                           | 6074667    | 13002220 | 12062840 | 13114490 | 1801003   | 3763906 | 3813973 | 3901070 | 29.6 | 29.7 | 56.4 | 62.2 |   |

a/ Including data not shown at the detailed industry level

## Macau

| ISIC Industry                             | Gross fixed capital formation |                    |        |        | Index numbers of industrial production |      |            |      |      |      |      |      |      |      |      |  |
|---|-------------------------------|--------------------|--------|--------|--|------|------------|------|------|------|------|------|------|------|------|--|
|   | Note                          | (thousand PATAÇAS) |        |        |  | Note | (1980=100) |      |      |      |      |      |      |      |      |  |
|   |                               | 1985               | 1990   | 1991   | 1992                                   |      | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |  |
| 311/2 Food Products                       |                               | 1497               | 2065   | 5785   | 2905                                   |      |            |      |      |      |      |      |      |      |      |  |
| 313 Beverages                             |                               | 6017               | 2323   | 16924  | 1629                                   |      |            |      |      |      |      |      |      |      |      |  |
| 314 Tobacco                               |                               | -                  | -      | -      | -                                      |      |            |      |      |      |      |      |      |      |      |  |
| 321 Textiles                              |                               | 25013              | 60297  | 74292  | 20241                                  |      |            |      |      |      |      |      |      |      |      |  |
| 322 Wearing apparel, except footwear      |                               | 110268             | 160832 | 169312 | 120253                                 |      |            |      |      |      |      |      |      |      |      |  |
| 323 Leather and fur products              |                               | 1942               | 4560   | 2961   | 792                                    |      |            |      |      |      |      |      |      |      |      |  |
| 324 Footwear, except rubber or plastic    |                               | 1420               | 5423   | 9106   | 2248                                   |      |            |      |      |      |      |      |      |      |      |  |
| 331 Wood products, except furniture       |                               | 144                | 655    | 1857   | 59                                     |      |            |      |      |      |      |      |      |      |      |  |
| 332 Furniture and fixtures, excl metal    |                               | 1185               | 3259   | 1474   | 1787                                   |      |            |      |      |      |      |      |      |      |      |  |
| 341 Paper and products                    |                               | 11029              | 1621   | 3702   | -255                                   |      |            |      |      |      |      |      |      |      |      |  |
| 342 Printing and publishing               |                               | 6482               | 16063  | 23378  | 17831                                  |      |            |      |      |      |      |      |      |      |      |  |
| 351 Industrial chemicals                  |                               | -                  | -      | -      | -                                      |      |            |      |      |      |      |      |      |      |      |  |
| 352 Other chemicals                       |                               | 1916               | 1835   | 7257   | 3556                                   |      |            |      |      |      |      |      |      |      |      |  |
| 353 Petroleum refineries                  |                               | -                  | -      | -      | -                                      |      |            |      |      |      |      |      |      |      |      |  |
| 354 Misc petroleum and coal products      |                               | -                  | -      | -      | -                                      |      |            |      |      |      |      |      |      |      |      |  |
| 355 Rubber products                       |                               | -                  | -      | -      | -                                      |      |            |      |      |      |      |      |      |      |      |  |
| 356 Plastic products                      |                               | 2751               | 4889   | 59073  | 4258                                   |      |            |      |      |      |      |      |      |      |      |  |
| 361 Pottery, china, earthenware           |                               | 512                | 1846   | -2491  | -                                      |      |            |      |      |      |      |      |      |      |      |  |
| 362 Glass and products                    |                               | -                  | 35     | -      | 86                                     |      |            |      |      |      |      |      |      |      |      |  |
| 369 Other non-metallic mineral products   |                               | 2992               | 138    | 9609   | 4119                                   |      |            |      |      |      |      |      |      |      |      |  |
| 371 Iron and steel                        |                               | -                  | -      | -      | -                                      |      |            |      |      |      |      |      |      |      |      |  |
| 372 Non-ferrous metals                    |                               | -                  | -      | -      | -                                      |      |            |      |      |      |      |      |      |      |      |  |
| 381 Fabricated metal products             |                               | 942                | 3730   | 3958   | 5976                                   |      |            |      |      |      |      |      |      |      |      |  |
| 382 Non-electrical machinery              |                               | 8                  | 3101   | 14247  | 303                                    |      |            |      |      |      |      |      |      |      |      |  |
| 383 Electrical machinery                  |                               | 5452               | 11216  | 2534   | 12272                                  |      |            |      |      |      |      |      |      |      |      |  |
| 384 Transport equipment                   |                               | 1150               | 1176   | 930    | 3360                                   |      |            |      |      |      |      |      |      |      |      |  |
| 385 Professional and scientific equipment |                               | 1152               | 1247   | 640    | 471                                    |      |            |      |      |      |      |      |      |      |      |  |
| 390 Other manufacturing industries        |                               | 37869              | 33121  | 20994  | 22161                                  |      |            |      |      |      |      |      |      |      |      |  |
| 3 Total manufacturing                     |                               | 219742             | 309221 | 425545 | 224052                                 |      |            |      |      |      |      |      |      |      |      |  |

## MALAYSIA

**Supplier of information:**

Jabatan Perangkaan (Department of Statistics), Kuala Lumpur.

**Basic source of data:**

Annual Survey of Manufacturing Industries.

**Major deviations from current version of ISIC:**

Data collected under the national classification system have been reclassified by the national authorities to correspond approximately with the current version of the ISIC.

**Reference period (if not calendar year):**

Basically, the calendar year. Some establishments, however, report for accounting years not coinciding with the calendar year.

**Scope:**

All establishments registered under the Industrial Coordination Act (I.C.A.) 1975.

**Method of enumeration:**

The annual survey is reviewed after each census to ensure that it covers about the same percentage of manufacturing output, value added and employment in each year. The annual survey is based on a complete enumeration by mail and field contacts.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

Number of employees refers to full-time and part-time paid employees. Persons employed through labour contractors are also included.

Wages and salaries represents all payments made during the year to all persons engaged other than working proprietors and unpaid family workers. Employers' contributions to provident funds and payments to homeworkers are excluded.

Output refers to the value of products manufactured by the establishment, plus receipts from industrial services rendered to others, the net change in stocks of finished and semi-finished goods and the value of goods sold in the same condition as purchased.

Value added is derived as the difference between the value of output and the costs of materials, supplies and fuels consumed, electricity purchased, work done by others and goods sold in the same condition as purchased.

Gross fixed capital formation represents the value of purchases of new and used fixed assets and construction of fixed assets for own use less the value of sales of fixed assets

**Related national publications:**

Survey of Manufacturing Industries (annual); Industrial Surveys, Malaysia (annual); Annual Statistical Bulletin, Malaysia; Monthly Statistical Bulletin, all published by the Jabatan Perangkaan (Department of Statistics), Kuala Lumpur.





Malaysia

| ISIC Industry                                    | Note | Output in factor values |         |         |         | Note | Value added in factor values |        |         |         | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-------------------------|---------|---------|---------|------|------------------------------|--------|---------|---------|--------------------------------|------|--|------|
|  |      | (million RINGGITS)      |         |         |         |      | (million RINGGITS)           |        |         |         | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                    | 1989    | 1990    | 1991    |      | 1985                         | 1989   | 1990    | 1991    | 1985                           | 1991 | 1985                                       | 1991 |
| 311/2 Food Products                              |      | 11930 0                 | 16956 0 | 16012 0 | 17772 0 |      | 1745 0                       | 2447 0 | 2340 0  | 2513 0  | 14 6                           | 14 1 | 24 4                                       | 26 0 |
| 3111 Slaughtering, preparing & preserving meat   |      | 65 0                    | 155 4   | 183 3   | 258 7   |      | 23 3                         | 46 5   | 55 7    | 61 4    | 35 8                           | 23 7 | 25 3                                       | 30 3 |
| 3112 Dairy products                              |      | 715 4                   | 1075 4  | 985 8   | 1065 2  |      | 174 9                        | 232 1  | 184 8   | 248 3   | 24 4                           | 23 3 | 20 0                                       | 21 5 |
| 3113 Canning, preserving of fruits & vegetables  |      | 199 5                   | 248 1   | 263 8   | 330 5   |      | 58 6                         | 82 9   | 77 2    | 92 0    | 29 4                           | 27 8 | 39 7                                       | 33 4 |
| 3114 Canning, preserving and processing of fish  |      | 248 4                   | 409 5   | 456 8   | 653 3   |      | 41 9                         | 68 6   | 76 4    | 105 7   | 15 9                           | 16 2 | 41 5                                       | 34 8 |
| 3115 Vegetable and animal oils and fats          |      | 7558 4                  | 10392 9 | 9021 4  | 9895 6  |      | 808 0                        | 1199 4 | 982 5   | 920 9   | 10 7                           | 9 3  | 18 3                                       | 20 0 |
| 3116 Grain mill products                         |      | 711 4                   | 1214 2  | 1266 3  | 1267 5  |      | 94 3                         | 113 2  | 138 2   | 135 5   | 13 3                           | 10 7 | 40 1                                       | 46 8 |
| 3117 Bakery products                             |      | 269 1                   | 436 5   | 577 0   | 854 4   |      | 82 4                         | 140 7  | 188 5   | 228 5   | 30 6                           | 34 9 | 46 8                                       | 35 1 |
| 3118 Sugar factories and refineries              |      | 597 5                   | 804 5   | 928 3   | 926 6   |      | 130 7                        | 155 2  | 174 1   | 159 2   | 21 0                           | 17 2 | 19 0                                       | 22 8 |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 334 9                   | 439 2   | 490 8   | 547 5   |      | 66 6                         | 126 1  | 123 2   | 128 5   | 19 9                           | 23 5 | 33 2                                       | 28 9 |
| 3121 Other food products                         |      | 442 0                   | 616 5   | 691 2   | 816 9   |      | 148 3                        | 173 4  | 196 7   | 255 3   | 33 6                           | 31 3 | 31 4                                       | 29 8 |
| 3122 Prepared animal feeds                       |      | 787 9                   | 1153 6  | 1147 6  | 1355 3  |      | 116 1                        | 130 4  | 142 8   | 177 6   | 14 7                           | 13 1 | 23 0                                       | 20 3 |
| 313 Beverages                                    |      | 588 0                   | 736 0   | 1011 0  | 1007 0  |      | 303 0                        | 370 0  | 544 0   | 435 0   | 51 5                           | 43 2 | 20 1                                       | 15 4 |
| 3131 Distilling, rectifying and blending spirits |      | 30 5                    | 27 8    | 488 2a/ | 414 7a/ |      | 11 5                         | 10 5   | 344 6a/ | 252 5a/ | 37 7                           | 50 9 | 18 3                                       | 13 7 |
| 3132 Wine industries                             |      |                         |         |         |         |      |                              |        |         |         |                                |      |  |      |
| 3133 Malt liquors and malt                       |      | 277 1                   | 316 7   | a/      | a/      |      | 172 4                        | 201 0  | a/      | a/      | 62 2                           |      | 16 3                                       |      |
| 3134 Soft drinks and carbonated waters           |      | 280 7                   | 391 3   | 522 8   | 592 3   |      | 119 2                        | 168 5  | 199 4   | 182 5   | 42 5                           | 30 8 | 25 9                                       | 17 8 |
| 314 Tobacco                                      |      | 1109 0                  | 939 0   | 874 0   | 984 0   |      | 509 0                        | 390 0  | 346 0   | 354 0   | 45 9                           | 36 0 | 10 6                                       | 17 8 |
| 321 Textiles                                     |      | 1172 0                  | 2308 0  | 2852 0  | 3494 0  |      | 324 0                        | 666 0  | 804 0   | 1078 0  | 28 1                           | 30 9 | 48 9                                       | 31 4 |
| 3211 Spinning, weaving and finishing textiles    |      | 904 0                   | 1558 2  | 1783 4  | 2282 3  |      | 243 7                        | 458 8  | 508 2   | 709 3   | 27 0                           | 31 1 | 47 5                                       | 29 3 |
| 3212 Made-up textile goods excl. wearing apparel |      | 34 3                    | 55 7    | 105 0   | 175 5   |      | 10 5                         | 21 1   | 42 2    | 51 7    | 30 9                           | 40 9 | 66 0                                       | 41 0 |
| 3213 Knitting mills                              |      | 190 1                   | 619 8   | 866 4   | 956 9   |      | 58 8                         | 157 4  | 216 7   | 266 0   | 30 9                           | 27 8 | 50 5                                       | 35 9 |
| 3214 Carpets and rugs                            |      | 44 2b/                  | 29 0    | 43 7    | 63 4    |      | 16 5b/                       | 10 5   | 14 7    | 22 1    | 37 3                           | 34 9 | 49 1                                       | 32 6 |
| 3215 Cordage, rope and twine                     |      | b/                      | 31 2    | 35 1    | 49 4    |      | b/                           | 14 8   | 17 3    | 24 2    |                                | 49 0 |  | 22 7 |
| 3219 Other textiles                              |      | b/                      | 14 2    | 18 5    | 15 9    |      | b/                           | 5 3    | 5 2     | 4 5     |                                | 28 3 |  | 40 0 |
| 322 Wearing apparel, except footwear             |      | 744 0                   | 1904 0  | 2381 0  | 2788 0  |      | 249 0                        | 501 0  | 758 0   | 851 0   | 33 5                           | 30 5 | 57 8                                       | 52 1 |
| 323 Leather and fur products                     |      | 21 0                    | 33 0    | 69 0    | 107 0   |      | 6 2                          | 10 0   | 18 0    | 30 0    | 29 5                           | 28 0 | 48 4                                       | 46 7 |
| 3231 Tanneries and leather finishing             |      | 13 2                    | 20 8    | 32 8    | 44 8    |      | 2 9                          | 5 4    | 5 1     | 12 5    | 27 0                           | 27 9 | 41 4                                       | 28 8 |
| 3232 Fur dressing and dyeing industries          |      |                         |         |         |         |      |                              |        |         |         |                                |      |  |      |
| 3233 Leather prods. excl. wearing apparel        |      | 7 9                     | 12 2    | 36 8    | 62 6    |      | 3 3                          | 4 7    | 12 3    | 17 1    | 41 8                           | 27 3 | 54 5                                       | 62 0 |
| 324 Footwear, except rubber or plastic           |      | 29 0                    | 39 0    | 32 0    | 49 0    |      | 12 0                         | 13 0   | 11 0    | 19 0    | 41 4                           | 38 8 | 41 7                                       | 47 4 |
| 331 Wood products, except furniture              |      | 2132 0                  | 4160 0  | 5276 0  | 5845 0  |      | 654 0                        | 1265 0 | 1580 0  | 1787 0  | 30 7                           | 30 6 | 52 8                                       | 39 7 |
| 3311 Sawmills, planing and other wood mills      |      | 2016 9                  | 4064 8  | 5157 2  | 5711 7  |      | 616 3                        | 1236 7 | 1548 1  | 1748 4  | 30 6                           | 30 6 | 53 4                                       | 39 4 |
| 3312 Wooden and cane containers                  |      | 23 1                    | 31 9    | 33 1    | 43 1    |      | 9 0                          | 9 3    | 7 7     | 12 8    | 39 0                           | 29 7 | 45 6                                       | 48 4 |
| 3319 Other wood and cork products                |      | 92 3                    | 62 9    | 85 7    | 89 8    |      | 28 3                         | 19 3   | 24 2    | 26 3    | 30 7                           | 29 3 | 41 7                                       | 55 1 |
| 332 Furniture and fixtures, excl. metal          |      | 257 0                   | 393 0   | 537 0   | 833 0   |      | 100 0                        | 146 0  | 189 0   | 309 0   | 38 9                           | 37 1 | 53 0                                       | 42 7 |
| 341 Paper and products                           |      | 398 0                   | 1151 0  | 1309 0  | 1534 0  |      | 137 0                        | 387 0  | 420 0   | 497 0   | 34 4                           | 32 4 | 33 6                                       | 30 2 |
| 3411 Pulp, paper and paperboard articles         |      | 44 9                    | 332 6   | 317 3   | 311 6   |      | 17 2                         | 106 8  | 119 9   | 115 2   | 38 3                           | 37 0 | 35 5                                       | 33 2 |
| 3412 Containers of paper and paperboard          |      | 206 9                   | 457 6   | 600 2   | 730 7   |      | 70 5                         | 127 2  | 187 9   | 228 0   | 34 1                           | 31 2 | 33 3                                       | 32 4 |
| 3419 Other pulp, paper and paperboard articles   |      | 145 2                   | 361 1   | 391 3   | 491 9   |      | 49 6                         | 153 4  | 112 3   | 153 4   | 33 9                           | 31 2 | 33 7                                       | 24 4 |
| 342 Printing and publishing                      |      | 942 0                   | 1241 0  | 1499 0  | 1778 0  |      | 490 0                        | 573 0  | 719 0   | 843 0   | 52 0                           | 47 4 | 43 5                                       | 35 5 |
| 351 Industrial chemicals                         |      | 3435 0                  | 4431 0  | 4859 0  | 6364 0  |      | 1529 0                       | 1880 0 | 2022 0  | 2983 0  | 44 5                           | 46 9 | 7 2  | 7 8  |
| 3511 Basic chemicals excl. fertilizers           |      | 2681 1                  | 3094 8  | 3338 1  | 4553 6  |      | 1400 2                       | 1528 2 | 1658 4  | 2489 8  | 52 2                           | 54 7 | 4 8  | 5 1  |
| 3512 Fertilizers and pesticides                  |      | 648 8                   | 975 8   | 905 7   | 973 8   |      | 104 2                        | 271 2  | 235 7   | 300 2   | 15 2                           | 30 8 | 34 1                                       | 21 6 |
| 3513 Synthetic resins and plastic materials      |      | 105 1                   | 360 7   | 615 3   | 837 0   |      | 24 3                         | 80 5   | 128 3   | 192 8   | 23 1                           | 23 0 | 28 4                                       | 20 6 |
| 352 Other chemicals                              |      | 935 0                   | 1541 0  | 1795 0  | 2183 0  |      | 379 0                        | 569 0  | 627 0   | 824 0   | 40 6                           | 37 7 | 27 2                                       | 21 5 |
| 3521 Paints, varnishes and lacquers              |      | 214 6                   | 350 6   | 457 0   | 651 3   |      | 78 7                         | 96 4   | 132 8   | 182 6   | 35 7                           | 33 1 | 28 0                                       | 20 3 |
| 3522 Drugs and medicines                         |      | 137 7                   | 209 3   | 216 5   | 264 4   |      | 61 6                         | 79 7   | 91 6    | 106 0   | 44 7                           | 39 7 | 30 8                                       | 33 4 |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 324 5                   | 568 0   | 653 9   | 827 6   |      | 154 6                        | 258 4  | 270 3   | 360 6   | 47 6                           | 43 6 | 20 0                                       | 16 3 |
| 3529 Other chemical products                     |      | 258 6                   | 412 8   | 487 3   | 539 6   |      | 84 0                         | 134 6  | 132 3   | 175 4   | 32 5                           | 32 5 | 37 1                                       | 26 5 |
| 363 Petroleum refineries                         |      | 4053 0                  | 3491 0  | 4672 0  | 4785 0  |      | 339 0                        | 616 0  | 538 0   | 583 0   | 8 4                            | 12 2 | 10 9                                       | 8 1  |

|   |         |         |         |          |         |         |         |         |      |      |      |      |
|---|---------|---------|---------|----------|---------|---------|---------|---------|------|------|------|------|
| 354 Misc petroleum and coal products            | 137 0   | 168 0   | 223 0   | 260 0    | 53 0    | 75 0    | 88 0    | 98 0    | 38 7 | 37 7 | 17 0 | 10 2 |
| 355 Rubber products                             | 2740 0  | 5719 0  | 5284 0  | 5949 0   | 621 0   | 1322 0  | 1428 0  | 1627 0  | 22 7 | 27 3 | 31 6 | 30 7 |
| 3551 Tyres and tubes                            | 419 7   | 634 3   | 730 6   | 864 9    | 181 8   | 279 3   | 326 7   | 386 1   | 43 3 | 42 3 | 32 2 | 28 7 |
| 3559 Other rubber products                      | 2320 0  | 5084 5  | 4553 3  | 5083 7   | 439 3   | 1042 8  | 1102 7  | 1261 4  | 18 9 | 24 8 | 31 2 | 31 3 |
| 356 Plastic products                            | 623 0   | 1528 0  | 2038 0  | 2739 0   | 228 0   | 490 0   | 706 0   | 932 0   | 36 6 | 34 0 | 36 0 | 32 6 |
| 361 Pottery, china, earthenware                 | 61 0    | 183 0   | 189 0   | 218 0    | 32 0    | 100 0   | 98 0    | 110 0   | 62 6 | 60 6 | 40 6 | 46 6 |
| 362 Glass and products                          | 154 0   | 302 0   | 399 0   | 488 0    | 57 0    | 144 0   | 197 0   | 233 0   | 37 0 | 47 7 | 49 1 | 24 6 |
| 369 Other non-metallic mineral products         | 1583 0  | 2046 0  | 2549 0  | 3207 0   | 737 0   | 1061 0  | 1192 0  | 1409 0  | 46 6 | 43 9 | 24 6 | 21 0 |
| 3691 Structural clay products                   | 271 0   | 367 0   | 463 7   | 636 8    | 150 0   | 210 4   | 264 4   | 361 6   | 55 4 | 56 8 | 39 3 | 26 8 |
| 3692 Cement, lime and plaster                   | 752 9   | 958 5   | 1104 4  | 1275 8   | 349 9   | 648 9   | 666 1   | 678 0   | 46 5 | 46 3 | 13 9 | 11 6 |
| 3699 Other non-metallic mineral products        | 559 6   | 720 2   | 980 6   | 1294 9   | 237 1   | 301 6   | 371 2   | 469 0   | 42 4 | 36 2 | 30 8 | 28 1 |
| 371 Iron and steel                              | 1542 0  | 3192 0  | 3965 0  | 4689 0   | 380 0   | 680 0   | 777 0   | 888 0   | 24 6 | 18 9 | 28 4 | 22 3 |
| 372 Non-ferrous metals                          | 1345 0  | 1023 0  | 1245 0  | 1408 0   | 86 0    | 125 0   | 170 0   | 195 0   | 6 4  | 13 8 | 40 7 | 34 4 |
| 381 Fabricated metal products                   | 1166 0  | 2472 0  | 3222 0  | 4082 0   | 365 0   | 754 0   | 856 0   | 1139 0  | 31 3 | 27 9 | 42 2 | 31 0 |
| 3811 Cutlery, hand tools and general hardware   | 17 9    | 40 9    | 53 4    | 98 0     | 8 2     | 16 0    | 22 5    | 31 7    | 46 8 | 32 3 | 50 0 | 36 3 |
| 3812 Furniture and fixtures primarily of metal  | 69 4    | 101 3   | 125 8   | 164 6    | 26 6    | 36 8    | 38 9    | 50 6    | 38 3 | 30 7 | 38 7 | 43 6 |
| 3813 Structural metal products                  | 215 3   | 623 9   | 804 0   | 938 7    | 81 2    | 237 5   | 246 3   | 273 6   | 37 7 | 29 1 | 46 3 | 28 6 |
| 3819 Other fabricated metal products            | 863 2   | 1706 3  | 2238 9  | 2881 0   | 249 2   | 464 0   | 647 3   | 783 1   | 28 9 | 27 2 | 40 9 | 30 8 |
| 382 Non-electrical machinery                    | 720 0   | 2122 0  | 2947 0  | 4744 0   | 247 0   | 658 0   | 943 0   | 1467 0  | 34 3 | 30 9 | 47 0 | 26 4 |
| 3821 Engines and turbines                       | 4 0     | 82 3c/  | 85 8c/  | 67 8c/   | 2 1     | 36 6c/  | 34 6c/  | 27 5c/  | 52 6 | 40 6 | 47 6 | 47 6 |
| 3822 Agricultural machinery and equipment       | 57 0    | c/      | c/      | c/       | 12 9    | c/      | c/      | c/      | 22 6 |      | 77 5 |      |
| 3823 Metal and wood working machinery           | 12 0    | 29 4    | 27 0    | 24 1     | 5 9     | 17 0    | 12 3    | 10 0    | 49 2 | 41 5 | 83 1 | 48 0 |
| 3824 Other special industrial machinery         | 48 1    | 87 1    | 163 5   | 182 4    | 19 6    | 23 1    | 45 7    | 60 2    | 40 7 | 33 0 | 57 1 | 42 7 |
| 3825 Office, computing and accounting machinery | 599 0d/ | 26 6    | 319 7   | 989 2    | 206 6d/ | 7 3     | 69 7    | 240 4   | 34 6 | 24 8 | 42 7 | 25 6 |
| 3829 Other non-electrical machinery & equipment | d/      | 1896 0  | 2350 7  | 3600 6   | d/      | 574 7   | 780 3   | 1128 6  |      | 32 2 |      | 23 7 |
| 383 Electrical machinery                        | 5891 0  | 18308 0 | 24306 0 | 33798 0  | 1832 0  | 3837 0  | 5262 0  | 7263 0  | 31 1 | 21 6 | 36 2 | 30 8 |
| 3831 Electrical industrial machinery            | 121 4   | 305 6   | 502 4   | 834 8    | 49 1    | 86 6    | 153 2   | 228 6   | 40 4 | 27 4 | 43 6 | 39 4 |
| 3832 Radio, television and communication equipm | 4964 4  | 16337 1 | 21320 6 | 29761 0  | 1656 6  | 3377 7  | 4427 6  | 6192 6  | 31 4 | 20 8 | 36 0 | 30 9 |
| 3833 Electrical appliances and housewares       | 152 0   | 230 5   | 376 3   | 540 6    | 36 6    | 69 9    | 110 7   | 145 2   | 24 1 | 26 9 | 48 9 | 26 2 |
| 3839 Other electrical apparatus and supplies    | 653 1   | 1435 0  | 2106 2  | 2661 4   | 190 2   | 303 3   | 570 2   | 696 4   | 29 1 | 26 2 | 33 9 | 28 1 |
| 384 Transport equipment                         | 1435 0  | 3251 0  | 4602 0  | 6332 0   | 624 0   | 971 0   | 1336 0  | 1804 0  | 36 6 | 28 6 | 38 4 | 20 0 |
| 3841 Shipbuilding and repairing                 | 267 5   | 216 6   | 271 2   | 804 8    | 108 6   | 138 5   | 58 3    | 32 0    | 40 6 | 40 3 | 63 7 | 22 9 |
| 3842 Railroad equipment                         | -       | 63 2e/  | 88 4e/  | 115 9e/  | -       | 30 5e/  | 55 7e/  | 48 6e/  |      | 41 9 |      | 40 6 |
| 3843 Motor vehicles                             | 916 4   | 2466 0  | 3444 8  | 4417 6   | 346 8   | 696 6   | 1073 6  | 1229 6  | 37 8 | 27 8 | 34 7 | 17 7 |
| 3844 Motorcycles and bicycles                   | 251 4f/ | 506 2   | 797 6   | 993 7    | 69 1f/  | 105 4   | 148 6   | 201 8   | 27 6 | 20 3 | 32 4 | 24 3 |
| 3845 Aircraft                                   | f/      | e/      | e/      | e/       | f/      | e/      | e/      | e/      |      |      |      |      |
| 3849 Other transport equipment                  | f/      | e/      | e/      | e/       | f/      | e/      | e/      | e/      |      |      |      |      |
| 385 Professional and scientific equipment       | 200 0   | 621 0   | 906 0   | 1540 0   | 75 0    | 230 0   | 262 0   | 448 0   | 37 6 | 27 3 | 41 3 | 33 0 |
| 3851 Prof and scientific equipment n e c        | 67 6    | 138 5   | 184 4   | 249 5    | 34 9    | 65 1    | 90 4    | 113 1   | 51 6 | 46 3 | 40 4 | 31 6 |
| 3852 Photographic and optical goods             | 73 6    | 246 2   | 373 2   | 932 2    | 16 3    | 83 1    | 49 9    | 217 4   | 22 1 | 23 3 | 38 0 | 23 6 |
| 3853 Watches and clocks                         | 58 6    | 236 3   | 348 1   | 458 1    | 24 2    | 80 8    | 122 0   | 117 2   | 41 3 | 26 6 | 44 6 | 62 0 |
| 390 Other manufacturing industries              | 243 0   | 545 0   | 762 0   | 1221 0   | 96 0    | 211 0   | 301 0   | 421 0   | 39 5 | 34 6 | 47 9 | 28 7 |
| 3901 Jewellery and related articles             | 47 7    | 130 2   | 216 1   | 525 1    | 16 6    | 60 3    | 115 5   | 198 6   | 34 8 | 37 8 | 64 2 | 17 0 |
| 3902 Musical instruments                        | 8 5     | 33 3    | 74 2    | 100 3    | 3 8     | 16 5    | 34 4    | 37 6    | 44 7 | 37 6 | 63 2 | 37 0 |
| 3903 Sporting and athletic goods                |         |         |         |          |         |         |         |         |      |      |      |      |
| 3909 Manufacturing industries, n e c            | 186 5   | 381 5   | 471 7   | 595 6    | 75 7    | 134 2   | 161 1   | 184 8   | 40 6 | 31 0 | 45 3 | 46 0 |
| 3 Total manufacturing                           | 45585 0 | 80803 0 | 95814 0 | 120298 0 | 12114 0 | 20589 0 | 24530 0 | 31140 0 | 26 6 | 26 9 | 29 9 | 27 0 |

a/ 3131 includes 3133  
c/ 3821 includes 3822  
e/ 3842 includes 3845 and 3849  
g/ 3902 includes 3903

b/ 3214 includes 3215 and 3219  
d/ 3825 includes 3829  
f/ 3844 includes 3845 and 3849

Malaysia

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |       | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|-------|------|--|------|------|------|------|------|------|------|
|   |      | (million RINGGITS)            |      |      |       |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1989 | 1990 | 1991  |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      | 250                           | 426  | 514  | 587   | 120  | 132                                    | 143  | 153  | 160  | 184  | 194  | 187  | 198  |
| 313 Beverages                             |      | 16                            | 60   | 72   | 117   | 77   | 81                                     | 81   | 85   | 95   | 104  | 119  | 121  | 127  |
| 314 Tobacco                               |      | 22                            | 19   | 14   | 32    | 115  | 108                                    | 86   | 86   | 99   | 101  | 108  | 109  | 104  |
| 321 Textiles                              |      | 39                            | 220  | 346  | 476   | 92   | 92                                     | 103  | 118  | 122  | 147  | 164  | 173  | 201  |
| 322 wearing apparel, except footwear      |      | 22                            | 71   | 136  | 136   | 132  | 128                                    | 144  | 170  | 189  | 218  | 228  | 229  | 239  |
| 323 leather and fur products              |      | 1                             | 1    | 12   | 8     |      |  |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      | 3                             | -    | 5    | 6     |      |  |      |      |      |      |      |      |      |
| 331 wood products, except furniture       |      | 98                            | 318  | 488  | 698   | 100  | 89                                     | 86   | 104  | 118  | 138  | 157  | 166  | 183  |
| 332 Furniture and fixtures, excl metal    |      | 13                            | 22   | 90   | 126   |      |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      | 30                            | 171  | 259  | 331   |      |  |      |      |      |      |      |      |      |
| 342 Printing and publishing               |      | 37                            | 106  | 244  | 244   |      |  |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      | 700                           | 164  | 319  | 1839  | 105  | 111                                    | 126  | 143  | 148  | 164  | 157  | 201  | 187  |
| 352 Other chemicals                       |      | 29                            | 67   | 145  | 152   | 104  | 117                                    | 143  | 155  | 190  | 236  | 261  | 289  | 330  |
| 353 Petroleum refineries                  |      | 185                           | 135  | 140  | 234   | 149  | 139                                    | 169  | 177  | 188  | 196  | 223  | 237  | 246  |
| 354 Misc petroleum and coal products      |      | 4                             | 2    | 7    | 12    |      |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      | 57                            | 454  | 552  | 340   | 130  | 123                                    | 141  | 172  | 287  | 301  | 327  | 363  | 406  |
| 356 Plastic products                      |      | 45                            | 222  | 290  | 431   |      |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      | 2                             | 17   | 43   | 22    | a/   | 129                                    | 115  | 97   | 91   | 107  | 135  | 164  | 196  |
| 362 Glass and products                    |      | 97                            | 75   | 136  | 87    | a/   |  |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      | 242                           | 192  | 194  | 546   |      |  |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      | 122                           | 305  | 747  | 907   | 165  | 131                                    | 102  | 125  | 166  | 198  | 226  | 266  | 305  |
| 372 Non-ferrous metals                    |      | 42                            | 31   | 102  | 224   | 89   | 87                                     | 101  | 111  | 112  | 119  | 129  | 127  | 148  |
| 381 Fabricated metal products             |      | 92                            | 184  | 368  | 467   | 160  | 154                                    | 149  | 173  | 183  | 178  | 211  | 261  | 360  |
| 382 Non-electrical machinery              |      | 43                            | 136  | 590  | 463   |      |  |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      | 555                           | 1602 | 2622 | 3600  | 206  | 167                                    | 223  | 272  | 329  | 388  | 619  | 668  | 746  |
| 384 Transport equipment                   |      | 73                            | 86   | 243  | 462   | 120  | 121                                    | 88   | 91   | 160  | 222  | 294  | 344  | 323  |
| 385 Professional and scientific equipment |      | 10                            | 147  | 241  | 324   |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      | 6                             | 21   | 59   | 64    |      |  |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      | 2836                          | 5264 | 8978 | 12935 |      |  |      |      |      |      |      |      |      |

a/ 361 includes 369



## MALTA

**Supplier of information:**

Central Office of Statistics, Valletta.

**Basic source of data:**

Annual census of production.

Data for 1989 and 1990 are from the Annual Abstract of Statistics, 1991.

**Major deviations from current version of ISIC:**

Data concerning ship-repairing activities are excluded because of disclosure rules.

**Reference period (if not calendar year):**

**Scope:**

All manufacturing establishments.

**Method of enumeration:**

Questionnaires distributed by mail.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of employees is the average number on the pay-roll during the last week of each month of the year.

Wages and salaries covers cash earnings of employees, including overtime payments, bonuses and commissions whether paid regularly or not and excludes employees insurance contributions. Employers' contributions to the national insurance scheme are included.

Output represents the value of sales and the net change between the beginning and the end of the year in value of stocks of goods produced. Valuation is at establishment price, excluding any discounts, commissions or rebates, but including charges for delivery.

Value added is the difference between the value of output and the cost of materials and fuels used, transport expenses, payments to homeworkers and the value of work given out. The estimates of output and value added exclude goods shipped in the same condition as received.

Gross fixed capital formation refers to acquisitions less disposals of land, buildings, plant, machinery and vehicles valued before the addition of legal charges, stamp duties, agent's fees, etc.

**Related national publications:**

Census of Industrial Production Report; Annual Abstract of Statistics, both published by the Central Office of Statistics, Valletta.

Malta

| ISIC Industry                                    | Note | Number of establishments |      |       |       | Note | Number of employees |       |        |        | Note | Wages and salaries paid to employees |        |        |        |
|--|------|--------------------------|------|-------|-------|------|---------------------|-------|--------|--------|------|--------------------------------------|--------|--------|--------|
|  |      | (numbers)                |      |       |       |      | (numbers)           |       |        |        |      | (thousand POUNDS)                    |        |        |        |
|  |      | 1985                     | 1988 | 1989  | 1990  |      | 1985                | 1988  | 1989   | 1990   |      | 1985                                 | 1988   | 1989   | 1990   |
| 311/2 Food Products                              |      | 334                      | 354  | 358   | 374   |      | 1845                | 2285  | 2772   | 2728   |      | 4547                                 | 5569   | 6862   | 6197   |
| 3111 Slaughtering, preparing & preserving meat   |      | 7                        | 9    |       |       |      | 116                 | 211   |        |        |      | 327                                  | 564    |        |        |
| 3112 Dairy products                              |      | 7                        | 8    |       |       |      | 135                 | 305   |        |        |      | 374                                  | 831    |        |        |
| 3113 Canning, preserving of fruits & vegetables  |      | 9                        | 10   |       |       |      | 289                 | 406   |        |        |      | 827                                  | 945    |        |        |
| 3114 Canning, preserving and processing of fish  |      | -                        | -    |       |       |      | -                   | -     |        |        |      | -                                    | -      |        |        |
| 3115 Vegetable and animal oils and fats          |      | 9a/                      | 10a/ |       |       |      | 192a/               | 170a/ |        |        |      | 571a/                                | 537a/  |        |        |
| 3116 Grain mill products                         |      | a/                       | a/   |       |       |      | a/                  | a/    |        |        |      | a/                                   | a/     |        |        |
| 3117 Bakery products                             |      | 266                      | 283  |       |       |      | 768                 | 706   |        |        |      | 1443                                 | 1377   |        |        |
| 3118 Sugar factories and refineries              |      | -                        | -    |       |       |      | -                   | -     |        |        |      | -                                    | -      |        |        |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 7                        | 6    |       |       |      | 68                  | 125   |        |        |      | 188                                  | 298    |        |        |
| 3121 Other food products                         |      | 14                       | 16   |       |       |      | 110                 | 183   |        |        |      | 279                                  | 406    |        |        |
| 3122 Prepared animal feeds                       |      | 15                       | 12   |       |       |      | 167                 | 179   |        |        |      | 540                                  | 609    |        |        |
| 313 Beverages                                    |      | 28                       | 26   | 27    | 26    |      | 1155                | 1262  | 1205   | 1234   |      | 3383                                 | 4197   | 4097   | 4475   |
| 3131 Distilling, rectifying and blending spirits |      | -                        | -    |       |       |      | -                   | -     |        |        |      | -                                    | -      |        |        |
| 3132 Wine industries                             |      | 16b/                     | 14b/ |       |       |      | 825b/               | 837b/ |        |        |      | 2463b/                               | 2939b/ |        |        |
| 3133 Malt liquors and malt                       |      | b/                       | b/   |       |       |      | b/                  | b/    |        |        |      | b/                                   | b/     |        |        |
| 3134 Soft drinks and carbonated waters           |      | 12                       | 12   |       |       |      | 331                 | 425   |        |        |      | 920                                  | 1258   |        |        |
| 314 Tobacco                                      |      | 6                        | 5    | 6     | 6     |      | 781                 | 488   | 456    | 427    |      | 2129                                 | 1281   | 1294   | 1392   |
| 321 Textiles                                     |      | 23                       | 23   | 25    | 25    |      | 1088                | 857   | 942    | 956    |      | 2094                                 | 1972   | 2264   | 2349   |
| 3211 Spinning, weaving and finishing textiles    |      | 3                        | 3    |       |       |      | 249                 | 176   |        |        |      | 766                                  | 573    |        |        |
| 3212 Made-up textile goods excl wearing apparel  |      | 6                        | 8    |       |       |      |                     | 63    |        |        |      |                                      | 150    |        |        |
| 3213 Knitting mills                              |      | 14c/                     | 12c/ |       |       |      | 839c/               | 618c/ |        |        |      | 1328c/                               | 1249c/ |        |        |
| 3214 Carpets and rugs                            |      | c/                       | c/   |       |       |      | c/                  | c/    |        |        |      | c/                                   | c/     |        |        |
| 3215 Cordage, rope and twine                     |      | -                        | -    |       |       |      | -                   | -     |        |        |      | -                                    | -      |        |        |
| 3219 Other textiles                              |      | -                        | -    |       |       |      | -                   | -     |        |        |      | -                                    | -      |        |        |
| 322 Wearing apparel, except footwear             |      | 146                      | 120  | 141   | 142   |      | 7652                | 6751  | 6367   | 5984   |      | 17373                                | 15660  | 15155  | 16983  |
| 323 Leather and fur products                     |      | 7                        | 8    | 8     | 10    |      | 96                  | 53    | 43     | 125    |      | 183                                  | 116    | 128    | 308    |
| 3231 Tanneries and leather finishing             |      | 7a/                      | 8a/  |       |       |      | 96a/                | 53a/  |        |        |      | 183a/                                | 117d/  |        |        |
| 3232 Fur dressing and dyeing industries          |      | -                        | -    |       |       |      | -                   | -     |        |        |      | -                                    | -      |        |        |
| 3233 Leather prods. excl wearing apparel         |      | d/                       | d/   |       |       |      | d/                  | d/    |        |        |      | d/                                   | d/     |        |        |
| 324 Footwear, except rubber or plastic           |      | 23                       | 21   | 21    | 18    |      | 1279                | 1073  | 1069   | 993    |      | 2782                                 | 2492   | 2663   | 2590   |
| 331 Wood products, except furniture              |      | 97                       | 91   | 426e/ | 437e/ |      | 155                 | 140   | 1961e/ | 1995e/ |      | 274                                  | 300    | 3532e/ | 4048e/ |
| 3311 Sawmills, planing and other wood mills      |      | 77                       | 73   |       |       |      | 120                 | 96    |        |        |      | 207                                  | 207    |        |        |
| 3312 Wooden and cane containers                  |      | 3                        | 4    |       |       |      | 1                   | 21    |        |        |      | 2                                    | 46     |        |        |
| 3319 Other wood and cork products                |      | 17                       | 14   |       |       |      | 36                  | 23    |        |        |      | 65                                   | 47     |        |        |
| 332 Furniture and fixtures, excl. total          |      | 278                      | 314  | e/    | e/    |      | 1255                | 1420  | e/     | e/     |      | 2781                                 | 3147   | e/     | e/     |
| 341 Paper and products                           |      | 11                       | 10   | 86f/  | 87f/  |      | 270                 | 267   | 1659f/ | 1699f/ |      | 677                                  | 666    | 5291f/ | 5764f/ |
| 3411 Pulp, paper and paperboard articles         |      | -                        | -    |       |       |      | -                   | -     |        |        |      | -                                    | -      |        |        |
| 3412 Containers of paper and paperboard          |      | 11g/                     | 10g/ |       |       |      | 270g/               | 267g/ |        |        |      | 677g/                                | 666g/  |        |        |
| 3419 Other pulp, paper and paperboard articles   |      | q/                       | q/   |       |       |      | q/                  | q/    |        |        |      | q/                                   | q/     |        |        |
| 342 Printing and publishing                      |      | 65                       | 67   | f/    | f/    |      | 1266                | 1303  | f/     | f/     |      | 3787                                 | 4168   | f/     | f/     |
| 351 Industrial chemicals                         |      | 6                        | 5    | 44h/  | 43h/  |      | 105                 | 101   | 590h/  | 609h/  |      | 253                                  | 245    | 1658h/ | 1876h/ |
| 3511 Basic chemicals excl fertilizers            |      | 6i/                      | 5i/  |       |       |      | 105i/               | 101i/ |        |        |      | 253i/                                | 245i/  |        |        |
| 3512 Fertilizers and pesticides                  |      | -                        | 1/   |       |       |      | -                   | 1/    |        |        |      | -                                    | 1/     |        |        |
| 3513 Synthetic resins and plastic materials      |      | -                        | -    |       |       |      | -                   | -     |        |        |      | -                                    | -      |        |        |
| 352 Other chemicals                              |      | 32j/                     | 33j/ | h/    | h/    |      | 418j/               | 441j/ | h/     | h/     |      | 1145j/                               | 1275j/ | h/     | h/     |
| 3521 Paints, varnishes and lacquers              |      | 8k/                      | 7k/  |       |       |      | 146k/               | 141k/ |        |        |      | 449k/                                | 429k/  |        |        |
| 3522 Drugs and medicines                         |      | k/                       | k/   |       |       |      | k/                  | k/    |        |        |      | k/                                   | k/     |        |        |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 17                       | 15   |       |       |      | 193                 | 215   |        |        |      | 515                                  | 635    |        |        |
| 3529 Other chemical products                     |      | 7m/                      | 10m/ |       |       |      | 79m/                | 85m/  |        |        |      | 181m/                                | 214m/  |        |        |
| 353 Petroleum refineries                         |      | -                        | -    |       |       |      | -                   | -     |        |        |      | -                                    | -      |        |        |

|   | j/m/ | j/m/ |      |       | j/m/  | j/m/  |        |        | j/m/   | j/m/   |        |         |       |       |       |
|---|------|------|------|-------|-------|-------|--------|--------|--------|--------|--------|---------|-------|-------|-------|
| 354 Misc petroleum and coal products            |      |      |      |       |       |       |        |        |        |        |        |         |       |       |       |
| 355 Rubber products                             | 7    | 9    |      |       | 618   | 736   |        |        | 2049   | 2701   |        |         |       |       |       |
| 3551 Tyres and tubes                            |      |      |      |       |       |       |        |        |        |        |        |         |       |       |       |
| 3559 Other rubber products                      |      |      |      |       |       |       |        |        |        |        |        |         |       |       |       |
| 356 Plastic products                            | 16   | 17   | 18   | 19    | 420   | 661   | 618    | 711    | 1040   | 1717   | 2027   | 2084    |       |       |       |
| 361 Pottery, china, earthenware                 | 6    | 7    | 93n/ | 101n/ | 61    | 70    | 888n/  | 931n/  | 116    | 137    | 1932n/ | 2361n/  |       |       |       |
| 362 Glass and products                          | 5    | 8    | n/   | n/    | 91    | 86    | n/     | n/     | 238    | 223    | n/     | n/      |       |       |       |
| 369 Other non-metallic mineral products         | 72   | 68   | n/   | n/    | 683   | 661   | n/     | n/     | 1547   | 1433   | n/     | n/      |       |       |       |
| 3691 Structural clay products                   | -    | -    |      |       | -     | -     |        |        | -      | -      |        |         |       |       |       |
| 3692 Cement, lime and plaster                   | 4    | 3    |      |       | 1     | 1     |        |        | 2      | 2      |        |         |       |       |       |
| 3699 Other non-metallic mineral products        | 68   | 65   |      |       | 682   | 650   |        |        | 1545   | 1431   |        |         |       |       |       |
| 371 Iron and steel                              | -    | -    |      |       | -     | -     |        |        | -      | -      |        |         |       |       |       |
| 372 Non-ferrous metals                          | -    | -    |      |       | -     | -     |        |        | -      | -      |        |         |       |       |       |
| 381 Fabricated metal products                   | 135  | 141  | 138  | 138   | 1083  | 1066  | 1238   | 1237   | 3032   | 3074   | 3241   | 3422    |       |       |       |
| 3811 Cutlery, hand tools and general hardware   | 24   | 28   |      |       | 161   | 201   |        |        | 386    | 496    |        |         |       |       |       |
| 3812 Furniture and fixtures primarily of metal  | 12   | 11   |      |       | 368   | 298   |        |        | 1349   | 1119   |        |         |       |       |       |
| 3813 Structural metal products                  | 53   | 55   |      |       | 185   | 238   |        |        | 419    | 622    |        |         |       |       |       |
| 3819 Other fabricated metal products            | 46   | 47   |      |       | 369   | 328   |        |        | 878    | 839    |        |         |       |       |       |
| 382 Non-electrical machinery                    | 21   | 22   | 61p/ | 66p/  | 659   | 663   | 2978p/ | 3086p/ | 1769   | 1874   | 9238p/ | 10306p/ |       |       |       |
| 3821 Engines and turbines                       | -    | -    |      |       | -     | -     |        |        | -      | -      |        |         |       |       |       |
| 3822 Agricultural machinery and equipment       | -    | -    |      |       | -     | -     |        |        | 1248q/ | 1416q/ |        |         |       |       |       |
| 3823 Metal and wood working machinery           | 7q/  | 7q/  |      |       | 465q/ | 481q/ |        |        |        |        |        |         |       |       |       |
| 3824 Other special industrial machinery         | -    | -    |      |       | -     | -     |        |        |        |        |        |         |       |       |       |
| 3825 Office, computing and accounting machinery | q/   | q/   |      |       | 194   | 182   |        |        | 511    | 459    |        |         |       |       |       |
| 3829 Other non-electrical machinery & equipment | 14   | 15   |      |       |       |       |        |        |        |        |        |         |       |       |       |
| 383 Electrical machinery                        | 38   | 42   | p/   | p/    | 2232  | 2311  | p/     | p/     | 6266   | 6918   | p/     | p/      |       |       |       |
| 3831 Electrical industrial machinery            | 8    | 8    |      |       | 255   | 240   |        |        | 630    | 624    |        |         |       |       |       |
| 3832 Radio, television and communication equipm | 14   | 13   |      |       | 1610  | 1686  |        |        | 3867   | 4115   |        |         |       |       |       |
| 3833 Electrical appliances and housewares       | 8    | 8    |      |       | 113   | 81    |        |        | 242    | 197    |        |         |       |       |       |
| 3839 Other electrical apparatus and supplies    | 8    | 13   |      |       | 254   | 404   |        |        | 636    | 983    |        |         |       |       |       |
| 384 Transport equipment                         | r/   | 37   | 46s/ | 44s/  | r/    | 488   | 2619   | 3388s/ | r/     | 3183s/ | r/     |         |       |       |       |
| 3841 Shipbuilding and repairing                 |      | 27   |      |       |       | 376   | 2611   |        |        |        |        |         |       |       |       |
| 3842 Railroad equipment                         |      | -    |      |       |       | -     | -      |        |        |        |        |         |       |       |       |
| 3843 Motor vehicles                             | 10t/ | 11t/ |      |       | 112t/ | 108t/ |        |        | 322t/  | 256t/  |        |         |       |       |       |
| 3844 Motorcycles and bicycles                   | -    | -    |      |       | -     | -     |        |        | -      | -      |        |         |       |       |       |
| 3845 Aircraft                                   | t/   | t/   |      |       | t/    | t/    |        |        | t/     | t/     |        |         |       |       |       |
| 3849 Other transport equipment                  | -    | -    |      |       | -     | -     |        |        | -      | -      |        |         |       |       |       |
| 385 Professional and scientific equipment       | 9    | 10   | 91u/ | 96u/  | 1140  | 1148  | 2106u/ | 2166u/ | 2822   | 2833   | 5500u/ | 6326u/  |       |       |       |
| 3851 Prof and scientific equipment n e c        | 3    | 4    |      |       | 216   | 266   |        |        | 534    | 577    |        |         |       |       |       |
| 3852 Photographic and optical goods             | 6    | 6    |      |       | 924   | 882   |        |        | 2288   | 2257   |        |         |       |       |       |
| 3853 Watches and clocks                         | -    | -    |      |       | -     | -     |        |        | -      | -      |        |         |       |       |       |
| 390 Other manufacturing industries              | 90   | 87   | u/   | u/    | 694   | 800   | u/     | u/     | 1538   | 1902   | u/     | u/      |       |       |       |
| 3901 Jewellery and related articles             | 64   | 60   |      |       | 411   | 226   |        |        | 908    | 556    |        |         |       |       |       |
| 3902 Musical instruments                        | -    | -    |      |       | -     | -     |        |        | -      | -      |        |         |       |       |       |
| 3903 Sporting and athletic goods                | 26v/ | 27v/ |      |       | 283v/ | 574v/ |        |        | 630v/  | 1346v/ |        |         |       |       |       |
| 3909 Manufacturing industries, n e c            | v/   | v/   |      |       | v/    | v/    |        |        | v/     | v/     |        |         |       |       |       |
| 3 Total manufacturing                           | r/   | 1492 | 1536 | 1589  | 1632  | r/    | 25536  | 27251  | 28273  | 28064  | r/     | 62131   | 69196 | 73926 | 81022 |

a/ 3115 includes 3116  
c/ 3213 includes 3214  
e/ 331 includes 332  
g/ 3412 includes 3419  
j/ 3511 includes 3517  
k/ 3521 includes 3522  
n/ 361 includes 362 and 369  
q/ 3823 includes 3825  
s/ 384 includes rubber products  
u/ 385 includes 390

b/ 3132 includes 3133  
d/ 3231 includes 3231  
f/ 341 includes 342  
h/ 351 includes 352  
j/ 352 includes 354  
m/ 3529 includes 354  
p/ 382 includes 383  
r/ Excluding data for the Malta Drydocks  
t/ 3843 includes 3845  
v/ 3903 includes 3909

## Malta

| ISIC Industry                                    | Note | Output in producers' prices |         |         |         | Note   | Value added in producers' prices |         |         |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-----------------------------|---------|---------|---------|--------|----------------------------------|---------|---------|------|--------------------------------|------|--|------|
|  |      | (thousand POUNDS)           |         |         |         |        | (thousand POUNDS)                |         |         |      | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                        | 1988    | 1989    | 1990    |        | 1985                             | 1988    | 1989    | 1990 | 1985                           | 1990 | 1985                                       | 1990 |
| 311/2 Food Products                              |      | 42819                       | 54428   | 51 11   | 57939   | 11783  | 15575                            | 16874   | 17653   | 27 5 | 30 5                           | 38 6 | 35 1                                       |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 3427                        | 5933    |         |         | 851    | 1118                             |         |         | 25 1 |                                | 38 0 |  |      |
| 3112 Dairy products                              |      | 2472                        | 8905    |         |         | 696    | 2177                             |         |         | 28 2 |                                | 57 7 |  |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 6560                        | 7997    |         |         | 1811   | 2710                             |         |         | 27 6 |                                | 45 7 |  |      |
| 3114 Canning, preserving and processing of fish  |      |                             |         |         |         |        |                                  |         |         |      |                                |      |  |      |
| 3115 Vegetable and animal oils and fats          |      | 6022a/                      | 5908a/  |         |         | 1015a/ | 1066a/                           |         |         | 16 9 |                                | 56 3 |  |      |
| 3116 Grain mill products                         |      | a/                          | a/      |         |         | a/     | a/                               |         |         |      |                                |      |  |      |
| 3117 Bakery products                             |      | 8349                        | 9221    |         |         | 3599   | 4514                             |         |         | 43 1 |                                | 40 1 |  |      |
| 3118 Sugar factories and refineries              |      |                             |         |         |         |        |                                  |         |         |      |                                |      |  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 1472                        | 1813    |         |         | 684    | 693                              |         |         | 45 5 |                                | 27 5 |  |      |
| 3121 Other food products                         |      | 1574                        | 2424    |         |         | 664    | 1666                             |         |         | 42 2 |                                | 42 0 |  |      |
| 3122 Prepared animal feeds                       |      | 12944                       | 11228   |         |         | 2453   | 1734                             |         |         | 19 0 |                                | 22 0 |  |      |
| 313 Beverages                                    |      | 16807                       | 23031   | 22761   | 25391   | 10401  | 14353                            | 11870   | 13218   | 61 9 | 52 1                           | 32 5 | 33 9                                       |      |
| 3131 Distilling, rectifying and blending spirits |      |                             |         |         |         |        |                                  |         |         |      |                                |      |  |      |
| 3132 Wine industries                             |      | 10459b/                     | 12380b/ |         |         | 6070b/ | 7902b/                           |         |         | 58 0 |                                | 40 6 |  |      |
| 3133 Malt liquors and malt                       |      | b/                          | b/      |         |         | b/     | b/                               |         |         |      |                                |      |  |      |
| 3134 Soft drinks and carbonated waters           |      | 6348                        | 10651   |         |         | 4331   | 6451                             |         |         | 68 2 |                                | 21 2 |  |      |
| 314 Tobacco                                      |      | 14766                       | 13472   | 15123   | 14527   | 3524   | 2344                             | 2268    | 2986    | 23 9 | 20 0                           | 50 4 | 46 6                                       |      |
| 321 Textiles                                     |      | 6846                        | 7453    | 9452    | 11570   | 3885   | 3667                             | 4298    | 5312    | 56 7 | 45 9                           | 53 9 | 44 2                                       |      |
| 3211 Spinning, weaving and finishing textiles    |      | 3109                        | 2847    |         |         | 1556c/ | 1206                             |         |         |      |                                |      |  |      |
| 3212 Made-up textile goods excl wearing apparel  |      |                             | 6 1     |         |         | c/     | 337                              |         |         |      |                                |      |  |      |
| 3213 Knitting mills                              |      | 3737d/                      | 3933d/  |         |         | 2328d/ | 2125d/                           |         |         | 62 3 |                                | 57 0 |  |      |
| 3214 Carpets and rugs                            |      | d/                          | d/      |         |         | d/     | d/                               |         |         |      |                                |      |  |      |
| 3215 Cordage, rope and twine                     |      |                             |         |         |         |        |                                  |         |         |      |                                |      |  |      |
| 3219 Other textiles                              |      |                             |         |         |         |        |                                  |         |         |      |                                |      |  |      |
| 322 Wearing apparel, except footwear             |      | 66820                       | 60157   | 57852   | 59029   | 30192  | 25271                            | 25059   | 25273   | 45 2 | 42 8                           | 57 5 | 63 2                                       |      |
| 323 Leather and fur products                     |      | 559                         | 392     | 568     | 1331    | 349    | 204                              | 245     | 633     | 62 4 | 47 6                           | 52 4 | 48 3                                       |      |
| 3231 Tanneries and leather finishing             |      | 559e/                       | 392e/   |         |         | 349e/  | 204e/                            |         |         | 62 4 |                                | 52 4 |  |      |
| 3232 Fur dressing and dyeing industries          |      |                             |         |         |         |        |                                  |         |         |      |                                |      |  |      |
| 3233 Leather prods excl wearing apparel          |      | e/                          | e/      |         |         | e/     | e/                               |         |         |      |                                |      |  |      |
| 324 Footwear, except rubber or plastic           |      | 9410                        | 10512   | 10702   | 10639   | 4061   | 3532                             | 3859    | 3836    | 43 2 | 36 1                           | 68 5 | 67 5                                       |      |
| 331 Wood products, except furniture              |      | 1097                        | 1169    | 14903f/ | 18519f/ | 544    | 519                              | 8562f/  | 9644f/  | 49 6 | 57 8                           | 50 4 | 42 4                                       |      |
| 3311 Sawmills, planing and other wood mills      |      | 811                         | 845     |         |         | 400    | 425                              |         |         | 49 3 |                                | 51 7 |  |      |
| 3312 Wooden and cane containers                  |      | 12                          | 115     |         |         | 9      | 72                               |         |         | 75 0 |                                | 22 2 |  |      |
| 3315 Other wood and cork products                |      | 274                         | 209     |         |         | 135    | 123                              |         |         | 49 3 |                                | 48 1 |  |      |
| 332 Furniture and fixtures, excl metal           |      | 7572                        | 12471   | f/      | f/      | 4030   | 6758                             | f/      | f/      | 53 2 |                                | 69 0 |  |      |
| 341 Paper and products                           |      | 3924                        | 3593    | 22722g/ | 25607g/ | 1490   | 1476                             | 11184g/ | 12854g/ | 38 0 | 50 2                           | 45 4 | 44 8                                       |      |
| 3411 Pulp, paper and paperboard articles         |      |                             |         |         |         |        |                                  |         |         |      |                                |      |  |      |
| 3412 Containers of paper and paperboard          |      | 3924h/                      | 3593h/  |         |         | 1490h/ | 1476h/                           |         |         | 38 0 |                                | 45 4 |  |      |
| 3419 Other pulp, paper and paperboard articles   |      | h/                          | h/      |         |         | h/     | h/                               |         |         |      |                                |      |  |      |
| 342 Printing and publishing                      |      | 14597                       | 16061   | g/      | g/      | 7843   | 8235                             | g/      | g/      | 53 7 |                                | 48 0 |  |      |
| 351 Industrial chemicals                         |      | 1376                        | 1693    | 12901i/ | 14474i/ | 1043   | 913                              | 5205i/  | 5126i/  | 75 8 | 35 4                           | 24 3 | 35 6                                       |      |
| 3511 Basic chemicals excl fertilizers            |      | 1375j/                      | 1693j/  |         |         | 1043j/ | 913j/                            |         |         | 75 9 |                                | 24 3 |  |      |
| 3512 Fertilizers and pesticides                  |      | j/                          | j/      |         |         | j/     | j/                               |         |         |      |                                | 74 3 |  |      |
| 3513 Synthetic resins and plastic materials      |      |                             |         |         |         |        |                                  |         |         |      |                                |      |  |      |
| 352 Other chemicals                              |      | 7545k/                      | 9704k/  | i/      | i/      | 2713k/ | 3720k/                           | i/      | i/      | 35 0 |                                | 42 7 |  |      |
| 3521 Paints, varnishes and lacquers              |      | 3209m/                      | 3773m/  |         |         | 1220m/ | 1252m/                           |         |         | 38 1 |                                | 36 8 |  |      |
| 3522 Drugs and medicines                         |      | m/                          | m/      |         |         | m/     | m/                               |         |         |      |                                |      |  |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 3625                        | 4977    |         |         | 1152   | 2014                             |         |         | 31 8 |                                | 44 8 |  |      |
| 3529 Other chemical products                     |      | 711n/                       | 954n/   |         |         | 341n/  | 454n/                            |         |         | 48 0 |                                | 53 1 |  |      |

|   | k/n/      | k/n/   |          |          | k/n/      | k/n/   |         |         |      |      |      |      |
|---|-----------|--------|----------|----------|-----------|--------|---------|---------|------|------|------|------|
| 354 Misc petroleum and coal products            |           |        |          |          |           |        |         |         |      |      |      |      |
| 355 Rubber products                             | 5961      | 8233   |          |          | 3448      | 5226   |         |         | 57 8 |      | 59 4 |      |
| 3551 Tyres and tubes                            |           |        |          |          |           |        |         |         |      |      |      |      |
| 3559 Other rubber products                      |           |        |          |          |           |        |         |         |      |      |      |      |
| 356 Plastic products                            | 3830      | 5576   | 6236     | 8041     | 2085      | 2664   | 2836    | 3537    | 54 4 | 44 0 | 49 9 | 52 4 |
| 361 Pottery, china, earthenware                 | 213       | 352    | 13104p/  | 16064:/  | 142       | 235    | 4014p/  | 5696p/  | 66 7 | 34 8 | 81 0 | 42 0 |
| 362 Glass and products                          | 922       | 840    | p/       | p/       | 436       | 360    | p/      | p/      | 47 3 |      | 54 6 |      |
| 369 Other non-metallic mineral products         | 11890     | 10787  | p/       | p/       | 3462      | 3088   | p/      | p/      | 29 1 |      | 44 7 |      |
| 3691 Structural clay products                   |           |        |          |          |           |        |         |         |      |      |      |      |
| 3692 Cement, lime and plaster                   | 23        | 28     |          |          | 13        | 11     |         |         | 56 5 |      | 15 4 |      |
| 3699 Other non-metallic mineral products        | 11857     | 10759  |          |          | 3449      | 3077   |         |         | 29 1 |      | 44 8 |      |
| 371 Iron and steel                              |           |        |          |          |           |        |         |         |      |      |      |      |
| 372 Non-ferrous metals                          |           |        |          |          |           |        |         |         |      |      |      |      |
| 381 Fabricated metal products                   | 2368      | 17346  | 19807    | 22697    | 4651      | 5999   | 6701    | 8324    | 37 6 | 36 7 | 65 2 | 41 1 |
| 3811 Cutlery, hand tools and general hardware   | 767       | 3958   |          |          | 345       | 887    |         |         | 45 0 |      |      |      |
| 3812 Furniture and fixtures primarily of metal  | 4156      | 3789   |          |          | 1777      | 1798   |         |         | 42 8 |      | 75 9 |      |
| 3813 Structural metal products                  | 1685      | 3137   |          |          | 793       | 1313   |         |         | 47 1 |      | 52 8 |      |
| 3819 Other fabricated metal products            | 5759      | 6484   |          |          | 1736      | 2003   |         |         | 30 1 |      | 50 6 |      |
| 382 Non-electrical machinery                    | 6501      | 6379   | 130125q/ | 174844q/ | 3745      | 3084   | 21352q/ | 21971q/ | 57 6 | 12 6 | 47 0 | 46 9 |
| 3821 Engines and turbines                       |           |        |          |          |           |        |         |         |      |      |      |      |
| 3822 Agricultural machinery and equipment       |           |        |          |          |           |        |         |         |      |      |      |      |
| 3823 Metal and wood working machinery           | 2935r/    | 2706r/ |          |          | 2269r/    | 1950r/ |         |         | 77 3 |      | 55 0 |      |
| 3824 Other special industrial machinery         |           |        |          |          |           |        |         |         |      |      |      |      |
| 3825 Office, computing and accounting machinery | r/        | r/     |          |          | r/        | r/     |         |         | 41 4 |      | 34 6 |      |
| 3829 Other non-electrical machinery & equipment | 3566      | 3673   |          |          | 1476      | 1134   |         |         |      |      |      |      |
| 383 Electrical machinery                        | 43385     | 80381  | q/       | q/       | 14621     | 25405  | q/      | q/      | 33 7 |      | 36 7 |      |
| 3831 Electrical industrial machinery            | 9677      | 5015   |          |          | 2974      | 1473   |         |         | 30 7 |      | 21 2 |      |
| 3832 Radio, television and communication equipm | 30620     | 70205  |          |          | 10301     | 21168  |         |         | 33 6 |      | 37 4 |      |
| 3833 Electrical appliances and housewares       | 790       | 921    |          |          | 345       | 498    |         |         | 43 7 |      | 70 1 |      |
| 3839 Other electrical apparatus and supplies    | 2298      | 4240   |          |          | 1001      | 2266   |         |         | 43 6 |      | 63 5 |      |
| 384 Transport equipment                         | 3129      | 14509  | 25377t/  | 30978t/  | 1697      | 5777   | 11863t/ | 13722t/ | 51 0 | 44 3 | 77 5 | 84 4 |
| 3841 Shipbuilding and repairing                 | 2082      | 13433  |          |          | 1259      | 5309   |         |         | 60 5 |      | 72 7 |      |
| 3842 Railroad equipment                         |           |        |          |          |           |        |         |         |      |      |      |      |
| 3843 Motor vehicles                             | 1047u/    | 1076u/ |          |          | 338u/     | 468u/  |         |         | 32 3 |      | 95 3 |      |
| 3844 Motorcycles and bicycles                   |           |        |          |          |           |        |         |         |      |      |      |      |
| 3845 Aircraft                                   | u/        | u/     |          |          | u/        | u/     |         |         |      |      |      |      |
| 3849 Other transport equipment                  |           |        |          |          |           |        |         |         |      |      |      |      |
| 385 Professional and scientific equipment       | 1450      | 14550  | 27610v/  | 29229v/  | 5684      | 5404   | 11034v/ | 12541v/ | 39 2 | 42 9 | 49 6 | 50 4 |
| 3851 Prof and scientific equipment n e c        | 2386      | 2784   |          |          | 896       | 956    |         |         | 37 6 |      | 59 6 |      |
| 3852 Photographic and optical goods             | 12124     | 11766  |          |          | 4788      | 4438   |         |         | 39 6 |      | 47 8 |      |
| 3853 Matches and clocks                         |           |        |          |          |           |        |         |         |      |      |      |      |
| 390 Other manufacturing industries              | 7179      | 12139  | v/       | v/       | 2450      | 5347   | v/      | v/      | 34 1 |      | 52 8 |      |
| 3901 Jewellery and related articles             | 5279      | 5024   |          |          | 1421      | 1046   |         |         | 26 9 |      | 63 9 |      |
| 3902 Musical instruments                        |           |        |          |          |           |        |         |         |      |      |      |      |
| 3903 Sporting and athletic goods                | 1900w/    | 7116w/ |          |          | 1029w/    | 4301w/ |         |         | 54 2 |      | 61 2 |      |
| 3909 Manufacturing industries, n e c            | w/        | w/     |          |          | w/        | w/     |         |         |      |      |      |      |
| 3 Total manufacturing                           | s/ 304015 | 385228 | 446056   | 518879   | s/ 124178 | 149656 | 147234  | 162135  | 40 8 | 31 2 | 50 0 | 50 0 |

a/ 3115 includes 3116  
c/ 3211 includes 3212  
e/ 3231 includes 3233  
g/ 341 includes 342  
i/ 351 includes 352  
k/ 352 includes 354  
n/ 3529 includes 354  
q/ 382 includes 383  
s/ Excluding data for the Malta Drydocks  
u/ 3843 includes 3845  
w/ 3903 includes 3909

b/ 3132 includes 3133  
d/ 3213 includes 3214  
f/ 331 includes 332  
h/ 3412 includes 3419  
j/ 3511 includes 3512  
m/ 3521 includes 3522  
p/ 361 includes 362 and 369  
r/ 3823 includes 3825  
t/ 384 includes rubber products  
v/ 385 includes 390

## Malta

| ISIC Industry                             | Gross fixed capital formation |                   |       |      |      | Index numbers of industrial production |            |      |      |      |      |      |      |      |      |  |
|---|-------------------------------|-------------------|-------|------|------|--|------------|------|------|------|------|------|------|------|------|--|
|   | Note                          | (thousand POUNDS) |       |      |      | Note                                   | (1980=100) |      |      |      |      |      |      |      |      |  |
|   |                               | 1985              | 1988  | 1989 | 1990 |  | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |  |
| 311/2 Food Products                       |                               | 1172              | 1466  | ...  | ...  |  | 177        | 185  | 195  | 206  | 204  | 220  | 207  | ...  | ...  |  |
| 313 Beverages                             |                               | 1533              | 2248  | ...  | ...  |  | 123        | 127  | 129  | 158  | 188  | 190  | 197  | ...  | ...  |  |
| 314 Tobacco                               |                               | 80                | 73    | ...  | ...  |  | 109        | 100  | 106  | 100  | 92   | 91   | 82   | ...  | ...  |  |
| 321 Textiles                              |                               | 371               | 941   | ...  | ...  |  | 73         | 74   | 73   | 70   | 77   | 97   | 106  | ...  | ...  |  |
| 322 Wearing apparel, except footwear      |                               | 865               | 1621  | ...  | ...  |  | 73         | 79   | 82   | 75   | 61   | 64   | 64   | ...  | ...  |  |
| 323 Leather and fur products              |                               | 2                 | -     | ...  | ...  |  | 25         | 27   | 25   | 19   | 9    | 25   | 60   | ...  | ...  |  |
| 324 Footwear, except rubber or plastic    |                               | 217               | 106   | ...  | ...  |  | 113        | 119  | 141  | 130  | 119  | 121  | 120  | ...  | ...  |  |
| 331 Wood products, except furniture       |                               | 15                | 11    | ...  | ...  |  | 91         | 89   | 84   | 101  | 89   | 94   | 90   | ...  | ...  |  |
| 332 Furniture and fixtures, excl. metal   |                               | 154               | 704   | ...  | ...  |  | 97         | 84   | 103  | 105  | 133  | 138  | 147  | ...  | ...  |  |
| 341 Paper and products                    |                               | 132               | 65    | ...  | ...  |  | 123        | 125  | 122  | 98   | 114  | 264  | 277  | ...  | ...  |  |
| 342 Printing and publishing               |                               | 413               | 520   | ...  | ...  |  | 119        | 119  | 119  | 127  | 133  | 141  | 147  | ...  | ...  |  |
| 351 Industrial chemicals                  |                               | 80                | 37    | ...  | ...  |  | 108        | 123  | 133  | 128  | 137  | 109  | 78   | ...  | ...  |  |
| 352 Other chemicals                       |                               | 301a/             | 438a/ | ...  | ...  |  | 181        | 176  | 196  | 198  | 233  | 270  | 310  | ...  | ...  |  |
| 353 Petroleum refineries                  |                               | -                 | -     | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 354 Misc petroleum and coal products      |                               | a/                | a/    | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 355 Rubber products                       |                               | 60                | 206   | ...  | ...  |  | 83         | 88   | 95   | 106  | 122  | 114  | 111  | ...  | ...  |  |
| 356 Plastic products                      |                               | 160               | 512   | ...  | ...  |  | 59         | 69   | 98   | 100  | 112  | 137  | 177  | ...  | ...  |  |
| 361 Pottery, china, earthenware           |                               | 1                 | 1     | ...  | ...  | b/                                     | 143        | 121  | 111  | 116  | 118  | 131  | 165  | ...  | ...  |  |
| 362 Glass and products                    |                               | 39                | 26    | ...  | ...  | b/                                     | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 369 Other non-metallic mineral products   |                               | 285               | 555   | ...  | ...  | b/                                     | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 371 Iron and steel                        |                               | -                 | -     | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 372 Non-ferrous metals                    |                               | -                 | -     | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 381 Fabricated metal products             |                               | 373               | 2265  | ...  | ...  |  | 105        | 109  | 117  | 125  | 138  | 147  | 183  | ...  | ...  |  |
| 382 Non-electrical machinery              |                               | 264               | 360   | ...  | ...  |  | 108        | 89   | 75   | 81   | 70   | 67   | 66   | ...  | ...  |  |
| 383 Electrical machinery                  |                               | 2242              | 5238  | ...  | ...  |  | 149        | 182  | 212  | 253  | 402  | 621  | 848  | ...  | ...  |  |
| 384 Transport equipment                   | c/                            | 919               | 1016  | ...  | ...  |  | 97         | 106  | 127  | 125  | 155  | 164  | 216  | ...  | ...  |  |
| 385 Professional and scientific equipment |                               | 1653              | 755   | ...  | ...  |  | 172        | 210  | 206  | 218  | 210  | 194  | 209  | ...  | ...  |  |
| 390 Other manufacturing industries        |                               | 97                | 282   | ...  | ...  |  | 112        | 132  | 181  | 188  | 176  | 199  | 160  | ...  | ...  |  |
| 3 Total manufacturing                     | c/                            | 11427             | 19446 | ...  | ...  |  | 106        | 111  | 121  | 125  | 139  | 163  | 185  | ...  | ...  |  |

a/ 352 includes 354

c/ Excluding data for the Malta Drydocks.

b/ 361 includes 362 and 369

## MAURITIUS

**Supplier of information:**

Central Statistical Office, Port-Louis.

**Basic source of data:**

Annual census of industrial production.

**Major deviations from current version of ISIC:**

Repair services for the general public (part of ISIC major division 9) are included in manufacturing according to the type of product repaired.

**Reference period (if not calendar year):**

**Scope:**

Establishments with 10 or more persons engaged as well as establishments with less than 10 persons engaged but whose production is more than one million rupees.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

Wages and salaries includes contributions payable by the employer to insurance and pension schemes. For sugar factories, wages and salaries covers those that are directly attributable to the manufacturing operation, as far as the apportionment of expenses between the plantation and the factory is possible.

Output is defined as the total value of sales and work done for others during the year, adjusted for net changes in stocks of finished goods and work in progress.

Value added is defined as the difference between output and the cost of materials, electricity and industrial services rendered. Valuation of output and value added is in producers' prices. However, excise duties are excluded in the case of wine, beer and matches.

**Related national publications:**

Census of Industrial Production (infrequent), published by the Central Statistical Office, Port Louis.

## Mauritius

| ISIC Industry                                    | Note | Number of establishments<br>(numbers) |      |      |      | Note | Number of persons engaged<br>(numbers) |       |       |       | Note | Wages and salaries paid<br>to employees<br>(million RUPEES) |        |        |        |
|--|------|---------------------------------------|------|------|------|------|--|-------|-------|-------|------|---|--------|--------|--------|
|  |      | 1985                                  | 1989 | 1990 | 1991 |      | 1985                                   | 1989  | 1990  | 1991  |      | 1985  | 1989   | 1990   | 1991   |
| 311/2 Food Products                              |      | 184                                   | 217  | 223  | 217  |      | 9517                                   | 11088 | 11421 | 11433 |      | 264.8   | 440.5  | 506.5  | 604.1  |
| 3111 Slaughtering, preparing & preserving meat   |      | 5                                     | 6    | 7    | 6    |      | 179                                    | 362   | 323   | 346   |      | 4.4   | 11.6   | 12.3   | 14.6   |
| 3112 Dairy products                              |      | 3                                     | 4    | 5    | 5    |      | 118                                    | 167   | 190   | 211   |      | 2.7   | 6.3    | 7.7    | 12.0   |
| 3113 Canning, preserving of fruits & vegetables  |      | 5                                     | 5    | 5    | 6    |      | 197                                    | 372   | 373   | 377   |      | 3.8   | 10.4   | 11.0   | 12.5   |
| 3114 Canning, preserving and processing of fish  |      | 1                                     | 7    | 9    | 7    |      | 397                                    | 749   | 904   | 979   |      | 6.6   | 26.5   | 22.6   | 23.9   |
| 3115 Vegetable and animal oils and fats          |      | 2                                     | 3    | 4    | 4    |      | 304                                    | 350   | 497   | 510   |      | 13.9  | 21.6   | 28.3   | 33.2   |
| 3116 Grain mill products                         |      | 2                                     | 2    | 3    | 1    |      | 51                                     | 80    | 154   | 130   |      | 0.9   | 4.6    | 9.3    | 11.1   |
| 3117 Bakery products                             |      | 127                                   | 150  | 150  | 149  |      | 1510                                   | 1708  | 1784  | 1786  |      | 28.2  | 47.7   | 53.9   | 67.9   |
| 3118 Sugar factories and refineries              |      | 20                                    | 20   | 20   | 20   |      | 5525                                   | 6015  | 6018  | 6025  |      | 182.7   | 283.9  | 328.1  | 401.1  |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 1                                     | 3    | 2    | 2    |      | 19                                     | 62    | 54    | 48    |      | 0.1   | 1.7    | 2.0    | 1.6    |
| 3121 Other food products                         |      | 15                                    | 14   | 15   | 14   |      | 1050                                   | 1006  | 893   | 752   |      | 16.8  | 18.8   | 20.2   | 23.2   |
| 3122 Prepared animal feeds                       |      | 3                                     | 3    | 3    | 3    |      | 167                                    | 217   | 231   | 269   |      | 4.7   | 8.8    | 11.2   | 13.0   |
| 313 Beverages                                    |      | 13                                    | 13   | 13   | 14   |      | 1821                                   | 2135  | 2264  | 2471  |      | 62.8  | 101.0  | 117.1  | 149.3  |
| 3131 Distilling, rectifying and blending spirits |      | 6                                     | 6    | 6    | 6    |      | 308                                    | 403   | 396   | 415   |      | 8.9   | 17.7   | 20.6   | 26.3   |
| 3132 Wine industries                             |      | 3                                     | 3    | 3    | 3    |      | 339                                    | 294   | 259   | 267   |      | 8.5   | 8.7    | 9.3    | 10.7   |
| 3133 Malt liquors and malt                       |      | 1                                     | 1    | 1    | 1    |      | 352                                    | 459   | 484   | 488   |      | 14.3  | 32.9   | 37.1   | 46.6   |
| 3134 Soft drinks and carbonated waters           |      | 3                                     | 3    | 3    | 4    |      | 822                                    | 979   | 1115  | 1301  |      | 21.2  | 41.7   | 50.3   | 66.7   |
| 314 Tobacco                                      |      | 1                                     | 1    | 1    | 1    |      | 355                                    | 348   | 336   | 299   |      | 19.2  | 26.4   | 29.1   | 55.1   |
| 321 Textiles                                     |      | 19                                    | 42   | 42   | 46   |      | 2396                                   | 5185  | 4963  | 5684  |      | 48.0  | 125.1  | 157.6  | 177.8  |
| 3211 Spinning, weaving and finishing textiles    |      |                                       |      |      |      |      |  |       |       |       |      |   |        |        |        |
| 3212 Made-up textile goods excl. wearing apparel |      |                                       |      |      |      |      |  |       |       |       |      |   |        |        |        |
| 3213 Knitting mills                              |      |                                       |      |      |      |      |  |       |       |       |      |   |        |        |        |
| 3214 Carpets and rugs                            |      |                                       |      |      |      |      |  |       |       |       |      |   |        |        |        |
| 3215 Cordage, rope and twine                     |      |                                       |      |      |      |      |  |       |       |       |      |   |        |        |        |
| 3219 Other textiles                              |      |                                       |      |      |      |      |  |       |       |       |      |   |        |        |        |
| 322 Wearing apparel, except footwear             |      | 248                                   | 413  | 401  | 378  |      | 48044                                  | 77741 | 76209 | 77804 |      | 570.5   | 1453.3 | 1704.4 | 1930.4 |
| 323 Leather and fur products                     |      | 6                                     | 8    | 10   | 10   |      | 402                                    | 1154  | 1187  | 1087  |      | 8.0   | 31.9   | 31.9   | 35.7   |
| 3231 Tanneries and leather finishing             |      |                                       |      |      |      |      |  |       |       |       |      |   |        |        |        |
| 3232 Fur dressing and dyeing industries          |      |                                       |      |      |      |      |  |       |       |       |      |   |        |        |        |
| 3233 Leather prods. excl. wearing apparel        |      |                                       |      |      |      |      |  |       |       |       |      |   |        |        |        |
| 324 Footwear, except rubber or plastic           |      | 12                                    | 16   | 16   | 16   |      | 507                                    | 707   | 780   | 782   |      | 10.0  | 15.9   | 20.6   | 23.4   |
| 331 Wood products, except furniture              |      | 8                                     | 12   | 17   | 19   |      | 706                                    | 751   | 911   | 886   |      | 13.3  | 16.2   | 21.9   | 24.6   |
| 3311 Sawmills, planing and other wood mills      |      |                                       |      |      |      |      |  |       |       |       |      |   |        |        |        |
| 3312 Wooden and cane containers                  |      |                                       |      |      |      |      |  |       |       |       |      |   |        |        |        |
| 3319 Other wood and cork products                |      |                                       |      |      |      |      |  |       |       |       |      |   |        |        |        |
| 332 Furniture and fixtures, excl. metal          |      | 21                                    | 21   | 33   | 29   |      | 653                                    | 911   | 1430  | 1466  |      | 12.0  | 27.6   | 49.1   | 66.8   |
| 341 Paper and products                           |      | 9                                     | 15   | 15   | 16   |      | 711                                    | 452   | 402   | 408   |      | 10.9  | 12.0   | 13.7   | 15.2   |
| 3411 Pulp, paper and paperboard articles         |      |                                       |      |      |      |      |  |       |       |       |      |   |        |        |        |
| 3412 Containers of paper and paperboard          |      |                                       |      |      |      |      |  |       |       |       |      |   |        |        |        |
| 3419 Other pulp, paper and paperboard articles   |      |                                       |      |      |      |      |  |       |       |       |      |   |        |        |        |
| 342 Printing and publishing                      |      | 24                                    | 30   | 30   | 30   |      | 1109                                   | 1630  | 1606  | 1537  |      | 31.7  | 67.4   | 81.0   | 98.4   |
| 351 Industrial chemicals                         |      | 6                                     | 11   | 11   | 17   |      | 434                                    | 531   | 547   | 643   |      | 13.4  | 25.7   | 32.3   | 43.1   |
| 3511 Basic chemicals excl. fertilizers           |      | 5                                     | 8    | 9    | 12   |      | 90                                     | 150   | 169   | 152   |      | 2.8   | 6.8    | 9.7    | 12.3   |
| 3512 Fertilizers and pesticides                  |      | 1                                     | 3    | 2    | 5    |      | 344                                    | 381   | 378   | 491   |      | 10.5  | 18.9   | 22.6   | 30.8   |
| 3513 Synthetic resins and plastic materials      |      | -                                     | -    | -    | -    |      | -                                      | -     | -     | -     |      | -   | -      | -      | -      |
| 352 Other chemicals                              |      | 18                                    | 24   | 28   | 26   |      | 788                                    | 961   | 1089  | 963   |      | 19.4  | 37.2   | 46.1   | 60.7   |
| 3521 Paints, varnishes and lacquers              |      | 4                                     | 5    | 6    | 3    |      | 188                                    | 238   | 291   | 170   |      | 4.8   | 10.3   | 11.8   | 12.1   |
| 3522 Drugs and medicines                         |      | 1                                     | 1    | 1    | 1    |      | 78                                     | 92    | 90    | 88    |      | 2.1   | 3.6    | 4.7    | 4.6    |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 5                                     | 7    | 9    | 10   |      | 285                                    | 342   | 440   | 432   |      | 7.9   | 15.6   | 20.3   | 23.5   |
| 3529 Other chemical products                     |      | 8                                     | 11   | 12   | 12   |      | 237                                    | 279   | 268   | 273   |      | 4.7   | 7.6    | 9.3    | 10.6   |



|   |     |     |      |      |      |      |       |        |        |        |        |        |        |        |        |
|---|-----|-----|------|------|------|------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 354 Misc petroleum and coal products            | -   | -   | -    | -    | -    | -    | -     | -      | -      | -      | -      | -      |        |        |        |
| 355 Rubber products                             | 9   | 7   | 10   | 11   | 259  | 261  | 340   | 380    | 7.2    | 7.9    | 11.5   | 12.6   |        |        |        |
| 3551 Tyres and tubes                            | ... | ... | ...  | ...  | ...  | ...  | ...   | ...    | ...    | ...    | ...    | ...    |        |        |        |
| 3559 Other rubber products                      | ... | ... | ...  | ...  | ...  | ...  | ...   | ...    | ...    | ...    | ...    | ...    |        |        |        |
| 356 Plastic products                            | 18  | 32  | 35   | 35   | 522  | 1027 | 1196  | 1328   | 12.3   | 34.4   | 40.4   | 50.3   |        |        |        |
| 361 Pottery, china, earthenware                 | 1   | 3   | 3    | 3    | 10   | 42   | 65    | 49     | 0.2    | 0.9    | 1.4    | 1.5    |        |        |        |
| 362 Glass and products                          | 1   | 1   | 1    | 2    | 38   | 45   | 51    | 66     | 1.1    | 1.8    | 2.3    | 2.6    |        |        |        |
| 369 Other non-metallic mineral products         | 26  | 19  | 15   | 15   | 1096 | 1332 | 1262  | 1584   | 24.7   | 39.1   | 46.8   | 81.1   |        |        |        |
| 3691 Structural clay products                   | -   | -   | -    | -    | -    | -    | -     | -      | -      | -      | -      | -      |        |        |        |
| 3692 Cement, lime and plaster                   | 3   | 2   | 1    | 1    | 136  | 112  | 99    | 94     | 2.6    | 2.7    | 2.5    | 3.0    |        |        |        |
| 3699 Other non-metallic mineral products        | 23  | 17  | 14   | 14   | 960  | 1220 | 1163  | 1490   | 22.1   | 36.4   | 43.3   | 78.1   |        |        |        |
| 371 Iron and steel                              | a/  | 8   | 8    | 8    | 10   | 389  | 587a/ | 674a/  | 798a/  | 11.1   | 26.7a/ | 32.9a/ | 36.2a/ |        |        |
| 372 Non-ferrous metals                          | a/  | -   | -    | -    | -    | -    | a/    | a/     | a/     | -      | a/     | a/     | a/     |        |        |
| 381 Fabricated metal products                   | 27  | 32  | 39   | 41   | 698  | 1102 | 1137  | 1263   | 18.1   | 37.1   | 47.9   | 49.8   |        |        |        |
| 3811 Cutlery, hand tools and general hardware   | 1   | 4   | 6    | 9    | 10   | 36   | 70    | 123    | 0.2    | 1.5    | 3.2    | 3.3    |        |        |        |
| 3812 Furniture and fixtures primarily of metal  | 7   | 5   | 6    | 4    | 188  | 183  | 218   | 180    | 3.0    | 3.7    | 6.3    | 5.6    |        |        |        |
| 3813 Structural metal products                  | 3   | 7   | 8    | 10   | 90   | 265  | 242   | 316    | 2.3    | 9.0    | 11.3   | 13.8   |        |        |        |
| 3819 Other fabricated metal products            | 16  | 16  | 19   | 18   | 410  | 628  | 607   | 644    | 10.6   | 22.9   | 27.2   | 27.2   |        |        |        |
| 382 Non-electrical machinery                    | 9   | 9   | 7    | 7    | 551  | 537  | 465   | 496    | 19.3   | 23.7   | 25.3   | 26.0   |        |        |        |
| 3821 Engines and turbines                       | b/  | 7   | 7    | 5    | 7    | 513  | 496   | 466    | 496    | 19.3   | 22.4   | 25.4   | 26.0   |        |        |
| 3822 Agricultural machinery and equipment       | b/  | ... | ...  | ...  | b/   | ...  | ...   | ...    | b/     | ...    | ...    | ...    |        |        |        |
| 3823 Metal and wood working machinery           | b/  | ... | ...  | ...  | b/   | ...  | ...   | ...    | b/     | ...    | ...    | ...    |        |        |        |
| 3824 Other special industrial machinery         | b/  | ... | ...  | ...  | b/   | ...  | ...   | ...    | b/     | ...    | ...    | ...    |        |        |        |
| 3825 Office, computing and accounting machinery | b/  | ... | ...  | ...  | b/   | ...  | ...   | ...    | b/     | ...    | ...    | ...    |        |        |        |
| 3829 Other non-electrical machinery & equipment | 2   | 2   | 2    | -    | 38   | 41   | -     | -      | 1.0    | 1.2    | -      | -      |        |        |        |
| 383 Electrical machinery                        | 19  | 24  | 23   | 22   | 506  | 799  | 914   | 904    | 12.1   | 25.9   | 33.9   | 46.8   |        |        |        |
| 3831 Electrical industrial machinery            | 5   | 4   | 3    | 3    | 94   | 111  | 90    | 70     | 1.8    | 3.8    | 4.0    | 4.3    |        |        |        |
| 3832 Radio, television and communication equipm | 6   | 5   | 4    | 4    | 106  | 194  | 152   | 144    | 1.9    | 4.8    | 5.4    | 5.9    |        |        |        |
| 3833 Electrical appliances and housewares       | 1   | 1   | 2    | 2    | 13   | 14   | 51    | 48     | 0.3    | 0.3    | 1.9    | 2.0    |        |        |        |
| 3839 Other electrical apparatus and supplies    | 7   | 14  | 14   | 13   | 294  | 480  | 621   | 642    | 8.0    | 17.0   | 22.5   | 34.6   |        |        |        |
| 384 Transport equipment                         | 4   | 6   | 6    | 6    | 238  | 490  | 463   | 584    | 6.1    | 15.6   | 15.6   | 23.8   |        |        |        |
| 3841 Shipbuilding and repairing                 | 1   | 2   | 2    | 2    | 86   | 119  | 116   | 139    | 2.7    | 7.6    | 6.1    | 7.0    |        |        |        |
| 3842 Railroad equipment                         | -   | -   | -    | -    | -    | -    | -     | -      | -      | -      | -      | -      |        |        |        |
| 3843 Motor vehicles                             | 2   | 3   | 3    | 3    | 139  | 353  | 353   | 418    | 3.2    | 7.8    | 9.0    | 16.9   |        |        |        |
| 3844 Motorcycles and bicycles                   | 1   | 1   | 1    | 1    | 13   | 18   | 15    | 27     | 0.2    | 0.3    | 0.4    | 0.9    |        |        |        |
| 3845 Aircraft                                   | -   | -   | -    | -    | -    | -    | -     | -      | -      | -      | -      | -      |        |        |        |
| 3849 Other transport equipment                  | -   | -   | -    | -    | -    | -    | -     | -      | -      | -      | -      | -      |        |        |        |
| 385 Professional and scientific equipment       | 7   | 12  | 13   | 17   | 721  | 1520 | 1365  | 1189   | 11.4   | 62.0   | 64.3   | 63.5   |        |        |        |
| 3851 Prof and scientific equipment n e c        | -   | 1   | 1    | 2    | -    | 10   | 6     | 25     | -      | 0.1    | 0.1    | 0.7    |        |        |        |
| 3852 Photographic and optical goods             | 3   | 5   | 6    | 8    | 281  | 602  | 508   | 506    | 4.6    | 18.7   | 23.8   | 19.0   |        |        |        |
| 3853 Watches and clocks                         | 4   | 6   | 6    | 7    | 440  | 908  | 851   | 658    | 6.8    | 43.2   | 40.4   | 43.7   |        |        |        |
| 390 Other manufacturing industries              | 28  | 61  | 70   | 73   | 2106 | 3732 | 3751  | 3755   | 31.8   | 90.6   | 114.1  | 129.0  |        |        |        |
| 3901 Jewellery and related articles             | 10  | 20  | 24   | 25   | 923  | 1715 | 1408  | 1638   | 17.5   | 50.3   | 63.2   | 72.0   |        |        |        |
| 3902 Musical instruments                        | -   | -   | -    | -    | -    | -    | -     | -      | -      | -      | -      | -      |        |        |        |
| 3903 Sporting and athletic goods                | -   | -   | -    | -    | -    | -    | -     | -      | -      | -      | -      | -      |        |        |        |
| 3909 Manufacturing industries, n e c            | 18  | 41  | 46   | 48   | 1182 | 2017 | 2343  | 2217   | 14.3   | 40.3   | 50.9   | 57.0   |        |        |        |
| 3 Total manufacturing                           | c/  | 725 | 1037 | 1070 | 1061 | c/   | 74575 | 114958 | 114737 | 117838 | c/     | 1227.1 | 2745.9 | 3246.6 | 3786.8 |

a/ 371 includes 372

c/ Including repair services for the general public (ISIC 9)

b/ 3821 includes 3822, 3823, 3824 and 3825

## Mauritius

| ISIC Industry                                    | Note | Output in producers' prices |        |        |         | Note   | Value added in producers' prices |        |        |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-----------------------------|--------|--------|---------|--------|----------------------------------|--------|--------|------|--------------------------------|------|--|------|
|  |      | (million RUPEES)            |        |        |         |        | (million RUPEES)                 |        |        |      | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                        | 1989   | 1990   | 1991    |        | 1985                             | 1989   | 1990   | 1991 | 1985                           | 1991 | 1985                                       | 1991 |
| 311/2 Food Products                              |      | 4740.9                      | 6684.8 | 7706.4 | 8059.3  | 665.6  | 1021.3                           | 1192.4 | 1255.9 | 14.0 | 15.7                           | 39.8 | 47.7                                       |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 22.4                        | 62.9   | 73.8   | 74.0    | 5.7    | 25.6                             | 30.0   | 31.1   | 25.4 | 42.0                           | 75.6 | 46.9                                       |      |
| 3112 Dairy products                              |      | 26.7                        | 76.1   | 90.8   | 102.7   | 6.6    | 15.2                             | 24.6   | 33.1   | 20.6 | 32.2                           | 49.3 | 36.3                                       |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 29.9                        | 74.1   | 97.8   | 111.6   | 7.1    | 18.6                             | 23.4   | 26.4   | 23.7 | 23.7                           | 63.3 | 47.5                                       |      |
| 3114 Canning, preserving and processing of fish  |      | 137.6                       | 264.4  | 223.3  | 333.1   | 27.9   | 44.0                             | 38.2   | 68.6   | 20.3 | 17.6                           | 23.8 | 40.8                                       |      |
| 3115 Vegetable and animal oils and fats          |      | 290.9                       | 268.3  | 336.3  | 351.9   | 16.4   | 48.0                             | 60.6   | 71.0   | 5.6  | 20.2                           | 84.5 | 45.7                                       |      |
| 3116 Grain mill products                         |      | 12.3                        | 170.1  | 311.4  | 298.8   | 3.0    | 36.0                             | 96.7   | 86.6   | 24.4 | 33.1                           | 31.2 | 12.9                                       |      |
| 3117 Bakery products                             |      | 258.6                       | 442.1  | 470.6  | 520.9   | 73.1   | 127.5                            | 137.4  | 162.7  | 28.3 | 29.3                           | 38.5 | 37.9                                       |      |
| 3118 Sugar factories and refineries              |      | 3605.0                      | 4998.7 | 5652.8 | 5792.5  | 438.1  | 662.9                            | 721.2  | 729.5  | 12.2 | 12.6                           | 41.7 | 66.0                                       |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 3.6                         | 13.2   | 11.0   | 11.4    | 1.6    | 5.0                              | 6.1    | 6.3    | 41.7 | 45.5                           | 9.6  | 30.3                                       |      |
| 3121 Other food products                         |      | 211.9                       | 160.6  | 176.0  | 195.9   | 60.1   | 23.0                             | 28.2   | 25.9   | 28.4 | 13.2                           | 7.0  | 89.7                                       |      |
| 3122 Prepared animal feeds                       |      | 142.0                       | 174.3  | 262.6  | 306.6   | 27.2   | 24.6                             | 27.1   | 46.8   | 19.2 | 15.3                           | 17.1 | 27.7                                       |      |
| 313 Beverages                                    |      | 502.9                       | 1082.2 | 1297.2 | 1459.0  | 107.1  | 316.5                            | 360.7  | 453.0  | 21.3 | 31.7                           | 49.3 | 32.2                                       |      |
| 3131 Distilling, rectifying and blending spirits |      | 221.6                       | 454.9  | 551.8  | 610.2   | 51.7   | 104.0                            | 119.9  | 150.3  | 23.3 | 75.4                           | 17.2 | 5.7  |      |
| 3132 Wine industries                             |      | 27.6                        | 42.3   | 42.4   | 46.8    | 8.7    | 15.6                             | 17.0   | 31.3   | 31.6 | 66.9                           | 97.5 | 34.0                                       |      |
| 3133 Malt liquors and malt                       |      | 140.9                       | 342.4  | 401.7  | 439.9   | 25.1   | 106.1                            | 112.9  | 327.0  | 17.8 | 74.3                           | 67.0 | 14.2                                       |      |
| 3134 Soft drinks and carbonated waters           |      | 112.8                       | 242.6  | 301.3  | 362.1   | 21.6   | 89.8                             | 110.9  | 164.0  | 19.1 | 42.5                           | 98.0 | 42.7                                       |      |
| 314 Tobacco                                      |      | 228.0                       | 213.0  | 242.0  | 212.0   | 55.0   | 86.0                             | 117.0  | 43.0   | 24.1 | 20.3                           | 34.9 |  |      |
| 321 Textiles                                     |      | 613.8                       | 939.9  | 1136.5 | 1326.4  | 151.1  | 331.9                            | 422.8  | 498.3  | 24.6 | 37.6                           | 31.7 | 35.7                                       |      |
| 3211 Spinning, weaving and finishing textiles    |      |                             |        |        |         |        |                                  |        |        |      |                                |      |  |      |
| 3212 Made-up textile goods excl wearing apparel  |      |                             |        |        |         |        |                                  |        |        |      |                                |      |  |      |
| 3213 Knitting mills                              |      |                             |        |        |         |        |                                  |        |        |      |                                |      |  |      |
| 3214 Carpets and rugs                            |      |                             |        |        |         |        |                                  |        |        |      |                                |      |  |      |
| 3215 Cordage, rope and twine                     |      |                             |        |        |         |        |                                  |        |        |      |                                |      |  |      |
| 3219 Other textiles                              |      |                             |        |        |         |        |                                  |        |        |      |                                |      |  |      |
| 322 Wearing apparel, except footwear             |      | 3082.7                      | 8334.0 | 9588.0 | 10470.0 | 1046.0 | 2626.0                           | 3030.0 | 3341.0 | 33.9 | 31.9                           | 64.6 | 67.8                                       |      |
| 323 Leather and fur products                     |      | 52.6                        | 186.0  | 210.1  | 204.6   | 17.6   | 70.0                             | 79.1   | 77.8   | 33.5 | 38.0                           | 45.7 | 45.9                                       |      |
| 3231 Tanneries and leather finishing             |      |                             |        |        |         |        |                                  |        |        |      |                                |      |  |      |
| 3232 Fur dressing and dyeing industries          |      |                             |        |        |         |        |                                  |        |        |      |                                |      |  |      |
| 3233 Leather prods excl wearing apparel          |      |                             |        |        |         |        |                                  |        |        |      |                                |      |  |      |
| 324 Footwear, except rubber or plastic           |      | 55.0                        | 87.0   | 107.0  | 110.0   | 26.5   | 41.0                             | 48.0   | 50.0   | 48.2 | 45.5                           | 37.5 | 46.8                                       |      |
| 331 Wood products, except furniture              |      | 43.7                        | 88.6   | 143.5  | 101.9   | 17.2   | 36.5                             | 74.5   | 54.5   | 39.4 | 63.5                           | 77.3 | 46.1                                       |      |
| 3311 Sawmills, planing and other wood mills      |      |                             |        |        |         |        |                                  |        |        |      |                                |      |  |      |
| 3312 Wooden and cane containers                  |      |                             |        |        |         |        |                                  |        |        |      |                                |      |  |      |
| 3319 Other wood and cork products                |      |                             |        |        |         |        |                                  |        |        |      |                                |      |  |      |
| 332 Furniture and fixtures, excl metal           |      | 60.9                        | 171.0  | 246.0  | 270.0   | 18.7   | 51.0                             | 66.0   | 87.0   | 30.7 | 32.2                           | 63.9 | 66.3                                       |      |
| 341 Paper and products                           |      | 75.4                        | 108.0  | 136.6  | 160.4   | 25.9   | 36.7                             | 52.2   | 66.8   | 34.4 | 37.8                           | 41.9 | 26.8                                       |      |
| 3411 Pulp, paper and paperboard articles         |      |                             |        |        |         |        |                                  |        |        |      |                                |      |  |      |
| 3412 Containers of paper and paperboard          |      |                             |        |        |         |        |                                  |        |        |      |                                |      |  |      |
| 3419 Other pulp, paper and paperboard articles   |      |                             |        |        |         |        |                                  |        |        |      |                                |      |  |      |
| 342 Printing and publishing                      |      | 131.4                       | 292.0  | 388.0  | 471.0   | 55.4   | 129.0                            | 180.0  | 204.0  | 42.2 | 48.5                           | 67.3 | 48.2                                       |      |
| 351 Industrial chemicals                         |      | 228.7                       | 460.3  | 509.5  | 638.4   | 48.4   | 164.8                            | 173.6  | 248.3  | 21.2 | 38.9                           | 27.6 | 17.4                                       |      |
| 3511 Basic chemicals excl fertilizers            |      | 31.7                        | 122.8  | 148.2  | 187.2   | 10.2   | 34.8                             | 43.1   | 62.3   | 32.2 | 33.3                           | 27.9 | 19.7                                       |      |
| 3512 Fertilizers and pesticides                  |      | 197.0                       | 337.5  | 361.3  | 451.2   | 38.2   | 120.0                            | 130.5  | 186.0  | 19.4 | 41.2                           | 27.6 | 18.6                                       |      |
| 3513 Synthetic resins and plastic materials      |      |                             |        |        |         |        |                                  |        |        |      |                                |      |  |      |
| 352 Other chemicals                              |      | 257.3                       | 471.7  | 604.1  | 664.9   | 65.7   | 123.3                            | 155.2  | 149.2  | 21.6 | 26.4                           | 34.8 | 34.0                                       |      |
| 3521 Paints, varnishes and lacquers              |      | 71.7                        | 131.2  | 188.0  | 140.4   | 15.6   | 27.9                             | 35.7   | 29.4   | 23.0 | 20.9                           | 28.8 | 41.3                                       |      |
| 3522 Drugs and medicines                         |      | 22.6                        | 26.7   | 32.7   | 32.3    | 4.6    | 5.6                              | 7.8    | 7.8    | 20.4 | 24.1                           | 48.3 | 69.4                                       |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 130.2                       | 240.4  | 294.2  | 297.2   | 25.5   | 62.5                             | 76.8   | 72.3   | 20.4 | 24.3                           | 29.7 | 32.4                                       |      |
| 3529 Other chemical products                     |      | 32.8                        | 73.4   | 89.2   | 95.0    | 8.1    | 27.3                             | 34.9   | 39.7   | 24.7 | 41.8                           | 67.8 | 26.6                                       |      |

|   |    |         |         |         |         |    |        |        |        |        |  |      |      |      |      |
|---|----|---------|---------|---------|---------|----|--------|--------|--------|--------|--|------|------|------|------|
| 354 Misc. petroleum and coal products           |    |         |         |         |         |    |        |        |        |        |  |      |      |      |      |
| 355 Rubber products                             |    | 45.7    | 55.7    | 77.3    | 89.0    |    | 13.6   | 17.0   | 28.7   | 30.6   |  | 29.5 | 34.3 | 53.4 | 41.3 |
| 3551 Tyres and tubes                            |    |         |         |         |         |    |        |        |        |        |  |      |      |      |      |
| 3559 Other rubber products                      |    |         |         |         |         |    |        |        |        |        |  |      |      |      |      |
| 356 Plastic products                            |    | 78.7    | 238.0   | 278.0   | 349.0   |    | 26.2   | 82.0   | 96.0   | 135.0  |  | 33.3 | 38.7 | 47.1 | 37.3 |
| 361 Pottery, china, earthenware                 |    | 1.6     | 5.0     | 6.0     | 8.0     |    | 0.6    | 2.0    | 2.0    | 3.0    |  | 40.0 | 37.5 | 26.3 | 60.0 |
| 362 Glass and products                          |    | 3.6     | 6.0     | 6.0     | 10.0    |    | 1.5    | 2.0    | 3.0    | 4.0    |  | 41.7 | 40.0 | 71.7 | 65.0 |
| 369 Other non-metallic mineral products         |    | 183.2   | 344.0   | 423.3   | 503.6   |    | 62.9   | 123.0  | 167.8  | 196.4  |  | 34.3 | 39.0 | 39.2 | 41.3 |
| 3691 Structural clay products                   |    |         |         |         |         |    |        |        |        |        |  |      |      |      |      |
| 3692 Cement, lime and plaster                   |    | 9.3     | 11.2    | 13.2    | 13.0    |    | 3.6    | 6.6    | 6.2    | 6.1    |  | 38.7 | 46.9 | 71.7 | 49.2 |
| 3699 Other non-metallic mineral products        |    | 173.9   | 332.8   | 410.1   | 490.6   |    | 59.3   | 116.4  | 161.6  | 190.3  |  | 34.1 | 38.8 | 37.2 | 41.0 |
| 371 Iron and steel                              | a/ | 125.7   | 301.0   | 307.5   | 306.5   |    | 29.2   | 83.0a/ | 62.6a/ | 64.9a/ |  |      | 18.0 | 38.0 | 66.9 |
| 372 Non-ferrous metals                          | a/ |         |         |         |         |    |        | a/     | a/     | a/     |  |      |      |      |      |
| 381 Fabricated metal products                   |    | 118.8   | 330.9   | 426.5   | 429.5   |    | 44.2   | 151.8  | 209.6  | 191.1  |  | 37.2 | 44.6 | 36.3 | 26.1 |
| 3811 Cutlery, hand tools and general hardware   |    | 1.3     | 7.5     | 13.8    | 24.1    |    | 0.8    | 3.0    | 6.1    | 11.5   |  | 61.6 | 47.7 | 27.5 | 28.3 |
| 3812 Furniture and fixtures primarily of metal  |    | 16.1    | 28.4    | 49.1    | 44.4    |    | 6.6    | 10.6   | 18.6   | 16.7   |  | 40.4 | 37.6 | 46.9 | 33.6 |
| 3813 Structural metal products                  |    | 26.8    | 110.7   | 146.5   | 148.0   |    | 8.8    | 44.7   | 64.3   | 61.6   |  | 32.8 | 41.6 | 25.9 | 22.6 |
| 3819 Other fabricated metal products            |    | 74.6    | 184.3   | 217.1   | 213.0   |    | 28.1   | 93.5   | 120.6  | 101.4  |  | 37.7 | 47.6 | 37.6 | 26.8 |
| 382 Non-electrical machinery                    |    | 61.3    | 126.6   | 99.7    | 111.5   |    | 20.4b/ | 61.0   | 63.7   | 64.4   |  | 33.3 | 57.8 | 94.6 | 38.8 |
| 3821 Engines and turbines                       | c/ | 44.7    | 96.9    | 99.7    | 111.5   |    | 15.1   | 54.6   | 53.7   | 64.4   |  | 33.8 | 57.8 |      | 38.8 |
| 3822 Agricultural machinery and equipment       | c/ |         |         |         |         |    |        |        |        |        |  |      |      |      |      |
| 3823 Metal and wood working machinery           | c/ |         |         |         |         |    |        |        |        |        |  |      |      |      |      |
| 3824 Other special industrial machinery         | c/ |         |         |         |         |    |        |        |        |        |  |      |      |      |      |
| 3825 Office, computing and accounting machinery | c/ |         |         |         |         |    |        |        |        |        |  |      |      |      |      |
| 3829 Other non-electrical machinery & equipment | c/ | 16.6    | 29.7    | -       | -       |    | 5.3    | 6.4    | -      | -      |  | 31.9 | -    | 18.7 | -    |
| 383 Electrical machinery                        |    | 115.7   | 252.6   | 299.1   | 417.9   |    | 25.8   | 70.0   | 77.3   | 109.2  |  | 22.3 | 26.1 | 46.8 | 42.9 |
| 3831 Electrical industrial machinery            |    | 18.7    | 29.7    | 26.5    | 22.7    |    | 20.8   | 9.8    | 11.7   | 9.6    |  |      | 42.3 | 7.0  | 44.4 |
| 3832 Radio, television and communication equipm |    | 62.5    | 92.3    | 110.3   | 118.7   |    |        | 18.7   | 20.3   | 19.6   |  |      | 16.4 |      | 30.2 |
| 3833 Electrical appliances and housewares       |    | 2.7     | 4.0     | 33.5    | 41.1    |    |        | 1.6    | 6.9    | 7.6    |  |      | 18.2 |      | 27.3 |
| 3839 Other electrical apparatus and supplies    |    | 31.8    | 126.6   | 128.8   | 235.4   |    |        | 40.0   | 38.4   | 72.6   |  |      | 30.8 |      | 47.7 |
| 384 Transport equipment                         |    | 35.0    | 103.2   | 118.6   | 168.5   |    | 20.1   | 60.3   | 66.8   | 78.5   |  | 67.4 | 49.5 | 30.6 | 30.3 |
| 3841 Shipbuilding and repairing                 |    | 21.0    | 57.4    | 45.0    | 67.1    |    | 16.4   | 48.6   | 37.0   | 55.7   |  | 78.1 | 83.0 | 16.7 | 12.6 |
| 3842 Railroad equipment                         |    |         |         |         |         |    |        |        |        |        |  |      |      |      |      |
| 3843 Motor vehicles                             |    | 11.6    | 23.2    | 46.2    | 62.3    |    | 3.2    | 8.0    | 16.0   | 11.6   |  | 27.6 | 22.0 | 99.0 |      |
| 3844 Motorcycles and bicycles                   |    | 2.4     | 22.6    | 28.4    | 39.1    |    | 0.6    | 3.8    | 4.8    | 11.3   |  | 20.8 | 28.9 | 44.2 | 7.9  |
| 3845 Aircraft                                   |    |         |         |         |         |    |        |        |        |        |  |      |      |      |      |
| 3849 Other transport equipment                  |    |         |         |         |         |    |        |        |        |        |  |      |      |      |      |
| 385 Professional and scientific equipment       |    | 177.1   | 625.4   | 631.4   | 652.3   |    | 48.7   | 191.1  | 193.3  | 172.1  |  | 27.5 | 31.7 | 23.4 | 36.9 |
| 3851 Prof and scientific equipment n e c        |    |         | 1.9     | 1.8     | 3.8     |    |        | 0.3    | 0.3    | 1.1    |  |      | 28.9 |      | 68.4 |
| 3852 Photographic and optical goods             |    | 97.3    | 137.9   | 129.6   | 148.5   |    | 29.0   | 46.6   | 43.0   | 49.7   |  | 29.8 | 33.6 | 16.7 | 38.3 |
| 3853 Watches and clocks                         |    | 79.8    | 485.6   | 500.0   | 400.0   |    | 19.7   | 144.2  | 160.0  | 121.3  |  | 24.7 | 30.3 | 34.7 | 36.0 |
| 390 Other manufacturing industries              |    | 232.3   | 606.1   | 724.7   | 824.1   |    | 76.0   | 196.7  | 236.6  | 272.1  |  | 32.3 | 33.0 | 42.4 | 47.4 |
| 3901 Jewellery and related articles             |    | 160.9   | 421.1   | 508.4   | 577.7   |    | 43.8   | 123.1  | 148.8  | 176.9  |  | 27.2 | 30.4 | 39.9 | 40.9 |
| 3902 Musical instruments                        |    |         |         |         |         |    |        |        |        |        |  |      |      |      |      |
| 3903 Sporting and athletic goods                |    |         |         |         |         |    |        |        |        |        |  |      |      |      |      |
| 3909 Manufacturing industries, n e c            |    | 71.4    | 184.0   | 216.3   | 246.4   |    | 31.2   | 73.6   | 86.8   | 96.2   |  | 43.7 | 39.0 | 46.9 | 69.2 |
| 3 Total manufacturing                           | d/ | 11251.9 | 22108.4 | 25712.0 | 27746.8 | d/ | 2867.9 | 6062.9 | 7126.7 | 7860.0 |  | 23.6 | 28.3 | 46.2 | 46.2 |

a/ 371 includes 372

c/ 3821 includes 3822, 3823, 3824 and 3825

b/ Value added is less than corresponding wages and salaries due to operating losses

d/ Including repair services for the general public (ISIC 9)

Mauritius

Gross fixed capital formation

(million RUPEES)

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |      |
|---|------|-------------------------------|------|------|------|
|   |      | 1985                          | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                               |      |      |      |
| 313 Beverages                             |      |                               |      |      |      |
| 314 Tobacco                               |      |                               |      |      |      |
| 321 Textiles                              |      |                               |      |      |      |
| 322 wearing apparel, except footwear      |      |                               |      |      |      |
| 323 Leather and fur products              |      |                               |      |      |      |
| 324 Footwear, except rubber or plastic    |      |                               |      |      |      |
| 331 Wood products, except furniture       |      |                               |      |      |      |
| 332 Furniture and fixtures, excl metal    |      |                               |      |      |      |
| 341 Paper and products                    |      |                               |      |      |      |
| 342 Printing and publishing               |      |                               |      |      |      |
| 351 Industrial chemicals                  |      |                               |      |      |      |
| 352 Other chemicals                       |      |                               |      |      |      |
| 353 Petroleum refineries                  |      |                               |      |      |      |
| 354 Misc petroleum and coal products      |      |                               |      |      |      |
| 355 Rubber products                       |      |                               |      |      |      |
| 356 Plastic products                      |      |                               |      |      |      |
| 361 Pottery, china, earthenware           |      |                               |      |      |      |
| 362 Glass and products                    |      |                               |      |      |      |
| 369 Other non-metallic mineral products   |      |                               |      |      |      |
| 371 Iron and steel                        |      |                               |      |      |      |
| 372 Non-ferrous metals                    |      |                               |      |      |      |
| 381 Fabricated metal products             |      |                               |      |      |      |
| 382 Non-electrical machinery              |      |                               |      |      |      |
| 383 Electrical machinery                  |      |                               |      |      |      |
| 384 Transport equipment                   |      |                               |      |      |      |
| 385 Professional and scientific equipment |      |                               |      |      |      |
| 390 Other manufacturing industries        |      |                               |      |      |      |
| 3 Total manufacturing                     |      |                               |      |      |      |

Index numbers of industrial production

(1980=100)

| ISIC Industry       | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |
|---------------------|------|--|------|------|------|------|------|------|------|------|
|                     |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products |      | 121                                    | 138  | 149  | 146  | 133  | 119  | 131  | 129  | 138  |
| 313 Beverages       |      | 121                                    | 134  | 137  | 175  | 189  | 188  | 202  | 216  | 217  |
| 314 Tobacco         |      | 136                                    | 106  | 111  | 118  | 113  | 109  | 102  | 116  | 108  |

## MEXICO

**Supplier of information:**

National Institute of Statistics, Geography and Information Technology (INEGI) via the Department of Statistics, Aguascalientes.

Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (supplement 1992: Mexico), OECD, Paris.

**Basic source of data:**

Annual industrial survey.

**Major deviations from current version of ISIC:**

Data collected under the national classification system have been reclassified by the national authorities to achieve the best possible correspondence with the ISIC system. Lack of detail in national data, however, result in several cases where correspondence with the current version of the ISIC cannot be achieved.

**Reference period (if not calendar year):****Scope:**

The survey covers only 129 out of 225 categories in the national industrial classification. The 3,218 establishments that were surveyed in these categories accounted for 72% of the total gross output in manufacturing in the 1985 industrial census.

The indices of industrial production cover all manufacturing establishments.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of employees covers all permanent and temporary workers who, in the course of the reference year, worked within or outside the establishment, and who were managed or supervised by the establishment.

Wages and salaries covers all wages and salaries that the company has paid to staff during the reference year, as well as money in the form of social security benefits, employers' social security contributions and profit-sharing.

Output refers to total gross output. It is calculated as the total value of goods and services produced by a company, whether they are intermediate goods and services used in the production process or intended for final consumption. This heading includes the value of products made by the establishments using its own raw materials, plus income from assembly services, maintenance and other industrial services, rental and leases, technology transfer, other non-industrial services, sale of electric power produced by the establishment, changes in stocks of work in progress, and the value of fixed assets produced by the establishment for its own use.

Value added is obtained by subtracting the value of inputs (goods and services for intermediate consumption) from total gross output.

Gross fixed capital formation includes purchase of new and used fixed assets, fixed assets produced for own use, major improvements, repairs and renovations carried out by third parties on fixed assets belonging to the establishment. VAT is not included.

**Related national publications:**

Estadística Industrial Mensual, published by the Dirección General de Estadística, Secretaría de Programación y Presupuesto, Mexico, D.F.

Mexico

| ISIC Industry                                    | Number of establishments (numbers) |      |      |      | Number of employees (numbers) |      |       |       | Wages and salaries paid to employees (billion PESOS) |       |      |      |        |        |        |
|--|------------------------------------|------|------|------|-------------------------------|------|-------|-------|--|-------|------|------|--------|--------|--------|
|  | Note                               | 1985 | 1990 | 1991 | 1992                          | Note | 1985  | 1990  | 1991   | 1992  | Note | 1985 | 1990   | 1991   | 1992   |
| 311/2 Food Products                              |                                    | 425  | 417  | 400  | 393                           |      | 97190 | 96982 | 96411  | 97540 |      | 58.6 | 1101.0 | 1474.6 | 1842.0 |
| 3111 Slaughtering, preparing & preserving meat   |                                    | 54   | 61   | 59   | 64                            |      |       | 10148 | 10269  | 10732 |      |      | 107.5  | 144.4  | 181.0  |
| 3112 Dairy products                              |                                    | 36   | 36   | 35   | 36                            |      |       | 12823 | 13664  | 14270 |      |      | 163.2  | 226.6  | 288.0  |
| 3113 Canning, preserving of fruits & vegetables  |                                    | 32   | 32   | 32   | 32                            |      |       | 18985 | 18968  | 17007 |      |      | 148.1  | 202.6  | 267.0  |
| 3114 Canning, preserving and processing of fish  |                                    | 29   | 31   | 29   | 29                            |      |       | 5181  | 4693   | 3936  |      |      | 49.6   | 67.1   | 66.0   |
| 3115 Vegetable and animal oils and fats          |                                    | 45   | 50   | 45   | 46                            |      |       | 11078 | 10819  | 10478 |      |      | 149.9  | 196.8  | 242.0  |
| 3116 Grain mill products                         |                                    | 104  | 103  | 103  | 103                           |      |       | 9604  | 9388   | 9368  |      |      | 102.9  | 135.0  | 172.0  |
| 3117 Bakery products                             |                                    | 23   | 23   | 22   | 22                            |      |       | 16307 | 16877  | 16673 |      |      | 144.8  | 188.3  | 231.0  |
| 3118 Sugar factories and refineries              |                                    | -    | -    | -    | -                             |      |       | -     | -  | -     |      |      | -      | -      | -      |
| 3119 Cocoa, chocolate and sugar confectionery    |                                    | 10   | 10   | 10   | 10                            |      |       | 7029  | 7225   | 7653  |      |      | 104.3  | 139.4  | 183.0  |
| 3121 Other food products                         |                                    | 20   | 20   | 20   | 20                            |      |       | 4376  | 4496   | 4689  |      |      | 65.1   | 122.7  | 165.0  |
| 3122 Prepared animal feeds                       |                                    | 48   | 48   | 43   | 43                            |      |       | 3474  | 3633   | 3736  |      |      | 48.3   | 62.9   | 77.0   |
| 313 Beverages                                    |                                    | 168  | 153  | 145  | 138                           |      | 76080 | 84977 | 85819  | 86096 |      | 58.9 | 998.6  | 1331.9 | 1677.0 |
| 3131 Distilling, rectifying and blending spirits |                                    | 46   | 56   | 53   | 46                            |      |       | 5819  | 6677   | 5701  |      |      | 93.1   | 126.4  | 161.0  |
| 3132 Wine industries                             |                                    | 20   | 22   | 20   | 19                            |      |       | 23215 | 22963  | 22485 |      |      | 317.2  | 410.0  | 607.0  |
| 3133 Malt liquors and malt                       |                                    | 76   | 76   | 73   | 73                            |      |       | 56143 | 56279  | 56930 |      |      | 588.2  | 796.5  | 1006.0 |
| 3134 Soft drinks and carbonated waters           |                                    | 7    | 7    | 7    | 7                             |      | 8040  | 6237  | 6452   | 6696  |      | 7.2  | 83.3   | 124.4  | 171.0  |
| 314 Tobacco                                      |                                    | 254  | 243  | 241  | 236                           |      | 76980 | 68829 | 63644  | 60496 |      | 43.4 | 706.2  | 819.9  | 922.0  |
| 321 Textiles                                     |                                    | 102  | 102  | 191  | 197                           |      |       | 59216 | 64402  | 61847 |      |      | 599.7  | 687.8  | 768.0  |
| 3211 Spinning, weaving and finishing textiles    |                                    | -    | -    | -    | -                             |      |       | -     | -  | -     |      |      | -      | -      | -      |
| 3212 Made-up textile goods excl. wearing apparel |                                    | 33   | 33   | 33   | 32                            |      |       | 6690  | 6207   | 6147  |      |      | 59.6   | 72.1   | 86.0   |
| 3213 Knitting mills                              |                                    | 9    | 9    | 9    | 9                             |      |       | 2478  | 2427   | 2110  |      |      | 29.1   | 36.3   | 41.0   |
| 3214 Carpets and rugs                            |                                    | -    | -    | -    | -                             |      |       | -     | -  | -     |      |      | -      | -      | -      |
| 3215 Cordage, rope and twine                     |                                    | 9    | 9    | 8    | 8                             |      |       | 1846  | 1608   | 1391  |      |      | 16.9   | 24.6   | 27.0   |
| 3219 Other textiles                              |                                    | 190  | 180  | 175  | 171                           |      | 32680 | 29670 | 28904  | 28012 |      |      | 261.3  | 311.8  | 367.0  |
| 322 Wearing apparel, except footwear             |                                    | 89   | 9    | 79   | 74                            |      | 28470 | 23614 | 22177  | 20122 |      |      | 237.1  | 288.5  | 336.0  |
| 323 Leather and fur products                     |                                    | 18   | 16   | 14   | 14                            |      | 5820  | 4878  | 4649   | 4234  |      | 3.6  | 43.6   | 61.1   | 66.0   |
| 3231 Tanneries and leather finishing             |                                    | -    | -    | -    | -                             |      |       | 4878  | 4649   | 4234  |      |      | 43.6   | 61.1   | 66.0   |
| 3232 Fur dressing and dyeing industries          |                                    | -    | -    | -    | -                             |      |       | -     | -  | -     |      |      | -      | -      | -      |
| 3233 Leather goods excl. wearing apparel         |                                    | -    | -    | -    | -                             |      |       | -     | -  | -     |      |      | -      | -      | -      |
| 324 Footwear, except rubber or plastic           |                                    | 74   | 68   | 68   | 68                            |      | 8340  | 7236  | 7277   | 7146  |      |      | 66.3   | 91.3   | 109.0  |
| 331 Wood products, except furniture              |                                    | 133  | 132  | 132  | 129                           |      | 33300 | 33136 | 32228  | 30836 |      | 33.9 | 473.6  | 662.1  | 694.0  |
| 3311 Sawmills, planing and other wood mills      |                                    | 67   | 67   | 67   | 66                            |      |       | 21286 | 20708  | 19617 |      |      | 316.9  | 340.6  | 460.0  |
| 3312 Wooden and cane containers                  |                                    | 66   | 65   | 65   | 64                            |      |       | 11849 | 11620  | 11216 |      |      | 167.6  | 201.6  | 244.0  |
| 3319 Other wood and cork products                |                                    | -    | -    | -    | -                             |      |       | -     | -  | -     |      |      | -      | -      | -      |
| 332 Furniture and fixtures, excl. metal          |                                    | 74   | 73   | 72   | 70                            |      | 11660 | 11180 | 11107  | 10821 |      |      | 163.6  | 196.0  | 261.0  |
| 341 Paper and products                           |                                    | 204  | 177  | 174  | 173                           |      | 69660 | 67323 | 66222  | 60008 |      | 30.0 | 1060.0 | 1314.1 | 1481.0 |
| 3411 Pulp, paper and paperboard articles         |                                    | 77   | 77   | 77   | 76                            |      |       | 20103 | 19131  | 18319 |      |      | 431.6  | 636.0  | 836.0  |
| 3412 Containers of paper and paperboard          |                                    | 50   | 49   | 49   | 48                            |      |       | 11706 | 11034  | 8430  |      |      | 214.7  | 244.2  | 210.0  |
| 3419 Other pulp, paper and paperboard articles   |                                    | 50   | 50   | 48   | 48                            |      |       | 26616 | 26067  | 23288 |      |      | 414.1  | 634.0  | 836.0  |
| 342 Printing and publishing                      |                                    | 218  | 239  | 234  | 219                           |      | 56330 | 66206 | 67607  | 67036 |      | 63.1 | 1347.0 | 1822.4 | 2395.0 |
| 351 Industrial chemicals                         |                                    | 40   | 40   | 40   | 38                            |      |       | 7006  | 7114   | 7270  |      |      | 122.9  | 173.6  | 227.0  |
| 3511 Basic chemicals excl. fertilizers           |                                    | 72   | 72   | 71   | 71                            |      |       | 26243 | 26917  | 27207 |      |      | 664.3  | 732.6  | 948.0  |
| 3512 Fertilizers and pesticides                  |                                    | 65   | 65   | 63   | 63                            |      |       | 26969 | 26401  | 26843 |      |      | 623.7  | 716.7  | 977.0  |
| 3513 Synthetic resins and plastic materials      |                                    | 62   | 62   | 60   | 60                            |      |       | 6988  | 7176   | 6968  |      |      | 146.4  | 200.6  | 243.0  |
| 352 Other chemicals                              |                                    | -    | -    | -    | -                             |      |       | -     | -  | -     |      |      | -      | -      | -      |
| 3521 Paints, varnishes and lacquers              |                                    | -    | -    | -    | -                             |      |       | -     | -  | -     |      |      | -      | -      | -      |
| 3522 Drugs and medicines                         |                                    | -    | -    | -    | -                             |      |       | -     | -  | -     |      |      | -      | -      | -      |
| 3523 Soap, cleaning prepns., perfumes, cosmetics |                                    | -    | -    | -    | -                             |      |       | -     | -  | -     |      |      | -      | -      | -      |
| 3529 Other chemical products                     |                                    | -    | -    | -    | -                             |      |       | -     | -  | -     |      |      | -      | -      | -      |

|   |      |      |      |      |        |        |        |        |      |         |         |         |
|---|------|------|------|------|--------|--------|--------|--------|------|---------|---------|---------|
| 354 Misc petroleum and coal products            | 23   | 23   | 23   | 22   | 4990   | 4364   | 4108   | 3803   | 5 0  | 68 3    | 79 9    | 108 0   |
| 355 Rubber products                             | 51   | 48   | 48   | 46   | 17910  | 17036  | 16596  | 15788  | 25 3 | 366 0   | 438 9   | 491 0   |
| 3551 Tyres and tubes                            |      | 9    | 9    | 9    |        | 10283  | 10079  | 9515   |      | 270 2   | 325 7   | 364 0   |
| 3559 Other rubber products                      |      | 39   | 39   | 37   |        | 6753   | 6517   | 6273   |      | 85 8    | 113 1   | 137 0   |
| 356 Plastic products                            | 169  | 165  | 164  | 162  | 24060  | 26849  | 26354  | 26148  |      | 296 5   | 389 6   | 470 0   |
| 361 Pottery, china, earthenware                 | 5    | 5    | 5    | 5    | 6060   | 7460   | 7037   | 7200   |      | 90 1    | 115 9   | 147 0   |
| 362 Glass and products                          | 24   | 22   | 22   | 22   | 21300  | 24390  | 23743  | 22812  | 24 8 | 412 8   | 513 7   | 644 0   |
| 369 Other non-metallic mineral products         | 170  | 166  | 161  | 156  | 33860  | 30948  | 30217  | 28797  | 31 0 | 639 3   | 708 6   | 837 0   |
| 3691 Structural clay products                   |      | 21   | 21   | 20   |        | 4340   | 4001   | 3589   |      | 48 3    | 60 3    | 70 0    |
| 3692 Cement, lime and plaster                   |      | 28   | 27   | 26   |        | 14807  | 14253  | 13516  |      | 363 8   | 464 6   | 536 0   |
| 3699 Other non-metallic mineral products        |      | 117  | 113  | 110  |        | 11799  | 11963  | 11692  |      | 137 2   | 183 7   | 232 0   |
| 371 Iron and steel                              | 101  | 94   | 92   | 92   | 68440  | 47370  | 43448  | 37627  | 74 0 | 837 2   | 900 3   | 1036 0  |
| 372 Non-ferrous metals                          | 25   | 25   | 25   | 25   | 18510  | 18062  | 17742  | 15432  | 20 3 | 269 2   | 346 9   | 382 0   |
| 381 Fabricated metal products                   | 227  | 218  | 212  | 203  | 54500  | 51616  | 51601  | 46247  | 18 1 | 672 0   | 861 3   | 1032 0  |
| 3811 Cutlery, hand tools and general hardware   |      | 8    | 8    | 8    |        | 3452   | 3372   | 3191   |      | 43 6    | 53 4    | 65 0    |
| 3812 Furniture and fixtures primarily of metal  |      | 35   | 36   | 32   |        | 9074   | 9318   | 8962   |      | 74 4    | 100 1   | 121 0   |
| 3813 Structural metal products                  |      | 49   | 47   | 45   |        | 8412   | 8961   | 7948   |      | 109 9   | 159 0   | 179 0   |
| 3819 Other fabricated metal products            |      | 126  | 122  | 118  |        | 30678  | 29860  | 26166  |      | 444 0   | 548 8   | 667 0   |
| 382 Non-electrical machinery                    | 181  | 175  | 169  | 162  | 34930  | 33198  | 31431  | 30676  | 7 6  | 629 7   | 649 3   | 766 0   |
| 3821 Engines and turbines                       |      | -    | -    | -    |        | -      | -      | -      |      | -       | -       | -       |
| 3822 Agricultural machinery and equipment       |      | 10   | 10   | 10   |        | 3246   | 3123   | 3162   |      | 67 2    | 71 8    | 77 0    |
| 3823 Metal and wood working machinery           |      | 69   | 69   | 66   |        | 12704  | 11382  | 10434  |      | 194 3   | 219 3   | 246 0   |
| 3824 Other special industrial machinery         |      | -    | -    | -    |        | -      | -      | -      |      | -       | -       | -       |
| 3825 Office, computing and accounting machinery |      | 22   | 16   | 14   |        | 4135   | 3885   | 3304   |      | 86 8    | 106 7   | 118 0   |
| 3829 Other non-electrical machinery & equipment |      | 74   | 74   | 73   |        | 13113  | 13041  | 13686  |      | 191 4   | 262 6   | 316 0   |
| 383 Electrical machinery                        | 185  | 174  | 165  | 162  | 101640 | 94896  | 92008  | 90146  | 25 3 | 1106 0  | 1373 3  | 1599 0  |
| 3831 Electrical industrial machinery            |      | 64   | 62   | 60   |        | 31009  | 30848  | 30320  |      | 391 6   | 490 3   | 593 0   |
| 3832 Radio, television and communication equipa |      | 70   | 65   | 64   |        | 42810  | 39782  | 39383  |      | 489 4   | 662 9   | 822 0   |
| 3833 Electrical appliances and housewares       |      | 17   | 16   | 16   |        | 10603  | 10631  | 10321  |      | 103 9   | 140 7   | 170 0   |
| 3839 Other electrical apparatus and supplies    |      | 23   | 22   | 22   |        | 10674  | 10847  | 10122  |      | 140 2   | 169 6   | 214 0   |
| 384 Transport equipment                         | 158  | 155  | 152  | 149  | 106380 | 114372 | 117780 | 110948 | 66 9 | 1787 0  | 2339 7  | 3000 0  |
| 3841 Shipbuilding and repairing                 |      | 7    | 6    | 6    |        | 2686   | 2688   | 1806   |      | 33 7    | 41 6    | 36 0    |
| 3842 Railroad equipment                         |      | 12   | 10   | 8    |        | 4320   | 3612   | 1412   |      | 64 0    | 46 4    | 28 0    |
| 3843 Motor vehicles                             |      | 123  | 123  | 122  |        | 104193 | 108274 | 104961 |      | 1670 3  | 2216 4  | 2896 0  |
| 3844 Motorcycles and bicycles                   |      | 13   | 13   | 13   |        | 3293   | 3306   | 2970   |      | 29 0    | 36 3    | 40 0    |
| 3845 Aircraft                                   |      | -    | -    | -    |        | -      | -      | -      |      | -       | -       | -       |
| 3849 Other transport equipment                  |      | -    | -    | -    |        | -      | -      | -      |      | -       | -       | -       |
| 385 Professional and scientific equipment       | 6    | 6    | 6    | 6    | 2460   | 2622   | 2763   | 2546   |      | 38 1    | 49 3    | 64 0    |
| 3851 Prof and scientific equipment n e c        |      | 6    | 6    | 6    |        | 2622   | 2763   | 2546   |      | 38 1    | 49 3    | 64 0    |
| 3852 Photographic and optical goods             |      | -    | -    | -    |        | -      | -      | -      |      | -       | -       | -       |
| 3853 Watches and clocks                         |      | -    | -    | -    |        | -      | -      | -      |      | -       | -       | -       |
| 390 Other manufacturing industries              | 36   | 36   | 36   | 34   | 6060   | 6389   | 6428   | 6333   |      | 75 4    | 99 9    | 130 0   |
| 3901 Jewellery and related articles             |      | -    | -    | -    |        | -      | -      | -      |      | -       | -       | -       |
| 3902 Musical instruments                        |      | -    | -    | -    |        | -      | -      | -      |      | -       | -       | -       |
| 3903 Sporting and athletic goods                |      | -    | -    | -    |        | -      | -      | -      |      | -       | -       | -       |
| 3909 Manufacturing industries, n e c            |      | 36   | 36   | 34   |        | 6389   | 6428   | 6333   |      | 75 4    | 99 9    | 130 0   |
| 3 Total manufacturing                           | 3203 | 3096 | 3022 | 2938 | 994070 | 968736 | 962663 | 914343 |      | 13698 7 | 17273 8 | 20986 0 |

## Mexico

| ISIC Industry                                    | Note | Output in producers' prices |         |         |         | Note | Value added in producers' prices |        |        |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-----------------------------|---------|---------|---------|------|----------------------------------|--------|--------|------|--------------------------------|------|--|------|
|  |      | (billion PESOS)             |         |         |         |      | (billion PESOS)                  |        |        |      | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                        | 1990    | 1991    | 1992    |      | 1985                             | 1990   | 1991   | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                              |      | 1603 0                      | 20389 0 | 25063 0 | 29131 0 |      | 428 7                            | 6124 0 | 7478 0 |      | 26 7                           |      | 13 7                                       |      |
| 3111 Slaughtering, preparing & preserving meat   |      |                             | 1839 2  | 2316 0  | 2636 0  |      |                                  |        |        |      |                                |      |  |      |
| 3112 Dairy products                              |      |                             | 3670 2  | 4712 0  | 6007 0  |      |                                  |        |        |      |                                |      |  |      |
| 3113 Canning, preserving of fruits & vegetables  |      |                             | 2321 9  | 2725 0  | 3431 0  |      |                                  |        |        |      |                                |      |  |      |
| 3114 Canning, preserving and processing of fish  |      |                             | 426 0   | 461 0   | 416 0   |      |                                  |        |        |      |                                |      |  |      |
| 3115 Vegetable and animal oils and fats          |      |                             | 3367 6  | 4124 0  | 4530 0  |      |                                  |        |        |      |                                |      |  |      |
| 3116 Grain mill products                         |      |                             | 2683 5  | 3306 0  | 3425 0  |      |                                  |        |        |      |                                |      |  |      |
| 3117 Bakery products                             |      |                             | 1321 4  | 1565 0  | 1631 0  |      |                                  |        |        |      |                                |      |  |      |
| 3118 Sugar factories and refineries              |      |                             |         |         |         |      |                                  |        |        |      |                                |      |  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      |                             | 914 1   | 1139 0  | 1433 0  |      |                                  |        |        |      |                                |      |  |      |
| 3121 Other food products                         |      |                             | 2380 9  | 2892 0  | 3604 0  |      |                                  |        |        |      |                                |      |  |      |
| 3122 Prepared animal feeds                       |      |                             | 1464 3  | 1823 0  | 2019 0  |      |                                  |        |        |      |                                |      |  |      |
| 313 Beverages                                    |      | 780 6                       | 11822 7 | 16172 0 | 18988 0 |      | 396 6                            | 6216 0 | 8425 0 |      | 50 7                           |      | 14 9                                       |      |
| 3131 Distilling, rectifying and blending spirits |      |                             | 2278 5  | 3256 0  | 3648 0  |      |                                  |        |        |      |                                |      |  |      |
| 3132 Wine industries                             |      |                             | 4997 1  | 6682 0  | 7455 0  |      |                                  |        |        |      |                                |      |  |      |
| 3133 Malt liquors and malt                       |      |                             | 4547 1  | 6234 0  | 7886 0  |      |                                  |        |        |      |                                |      |  |      |
| 3134 Soft drinks and carbonated waters           |      |                             |         |         |         |      |                                  |        |        |      |                                |      |  |      |
| 314 Tobacco                                      |      | 160 4                       | 2442 3  | 3665 0  | 5141 0  |      | 123 6                            | 1912 0 | 2859 0 |      | 77 1                           |      | 5 8  |      |
| 321 Textiles                                     |      | 439 3                       | 4586 8  | 6054 0  | 5334 0  |      | 194 0                            | 2164 0 | 2389 0 |      | 44 2                           |      | 22 4                                       |      |
| 3211 Spinning, weaving and finishing textiles    |      |                             | 3687 4  | 3838 0  | 4063 0  |      |                                  |        |        |      |                                |      |  |      |
| 3212 Made-up textile goods excl wearing apparel  |      |                             |         |         |         |      |                                  |        |        |      |                                |      |  |      |
| 3213 Knitting mills                              |      |                             | 522 6   | 721 0   | 773 0   |      |                                  |        |        |      |                                |      |  |      |
| 3214 Carpets and rugs                            |      |                             | 247 1   | 275 0   | 302 0   |      |                                  |        |        |      |                                |      |  |      |
| 3215 Cordage, rope and twine                     |      |                             |         |         |         |      |                                  |        |        |      |                                |      |  |      |
| 3219 Other textiles                              |      |                             | 129 8   | 220 0   | 196 0   |      |                                  |        |        |      |                                |      |  |      |
| 322 Wearing apparel, except footwear             |      | 133 9                       | 1169 4  | 1381 0  | 1602 0  |      | 56 2                             | 610 0  | 704 0  |      | 42 0                           |      |  |      |
| 323 Leather and fur products                     |      |                             |         |         |         |      |                                  |        |        |      |                                |      |  |      |
| 3231 Tanneries and leather finishing             |      |                             |         |         |         |      |                                  |        |        |      |                                |      |  |      |
| 3232 Fur dressing and dyeing industries          |      |                             |         |         |         |      |                                  |        |        |      |                                |      |  |      |
| 3233 Leather prods excl wearing apparel          |      |                             |         |         |         |      |                                  |        |        |      |                                |      |  |      |
| 324 Footwear, except rubber or plastic           |      | 136 8                       | 1054 7  | 1267 0  | 1348 0  |      | 62 7                             | 534 0  | 631 0  |      | 45 9                           |      |  |      |
| 331 Wood products, except furniture              |      | 38 6                        | 365 3   | 356 0   | 354 0   |      | 16 8                             | 150 0  | 155 0  |      | 43 6                           |      | 20 9                                       |      |
| 3311 Sawmills, planing and other wood mills      |      |                             | 305 3   | 356 0   | 354 0   |      |                                  |        |        |      |                                |      |  |      |
| 3312 Wooden and cane containers                  |      |                             |         |         |         |      |                                  |        |        |      |                                |      |  |      |
| 3319 Other wood and cork products                |      |                             |         |         |         |      |                                  |        |        |      |                                |      |  |      |
| 332 Furniture and fixtures, excl metal           |      | 46 5                        | 493 6   | 594 0   | 663 0   |      | 18 0                             | 191 0  | 236 0  |      | 38 8                           |      |  |      |
| 341 Paper and products                           |      | 481 5                       | 6361 2  | 7079 0  | 7475 0  |      | 153 6                            | 1985 0 | 2249 0 |      | 31 9                           |      | 22 1                                       |      |
| 3411 Pulp, paper and paperboard articles         |      |                             | 4496 0  | 4917 0  | 5070 0  |      |                                  |        |        |      |                                |      |  |      |
| 3412 Containers of paper and paperboard          |      |                             | 1866 2  | 2162 0  | 2406 0  |      |                                  |        |        |      |                                |      |  |      |
| 3419 Other pulp, paper and paperboard articles   |      |                             |         |         |         |      |                                  |        |        |      |                                |      |  |      |
| 342 Printing and publishing                      |      | 81 8                        | 1084 6  | 1287 0  | 1431 0  |      | 38 6                             | 478 0  | 575 0  |      | 44 7                           |      |  |      |
| 351 Industrial chemicals                         |      | 1229 8                      | 14229 9 | 16260 0 | 16178 0 |      | 505 3                            | 6394 0 | 7282 0 |      | 41 1                           |      | 5 9  |      |
| 3511 Basic chemicals excl fertilizers            |      |                             | 6361 8  | 6972 0  | 7242 0  |      |                                  |        |        |      |                                |      |  |      |
| 3512 Fertilizers and pesticides                  |      |                             | 2491 7  | 3120 0  | 2495 0  |      |                                  |        |        |      |                                |      |  |      |
| 3513 Synthetic resins and plastic materials      |      |                             | 5376 3  | 6168 0  | 6441 0  |      |                                  |        |        |      |                                |      |  |      |
| 352 Other chemicals                              |      | 813 8                       | 13174 9 | 16242 0 | 19168 0 |      | 349 7                            | 5179 0 | 6260 0 |      | 43 0                           |      | 16 2                                       |      |
| 3521 Paints, varnishes and lacquers              |      |                             | 1460 5  | 1821 0  | 2148 0  |      |                                  |        |        |      |                                |      |  |      |
| 3522 Drugs and medicines                         |      |                             | 4476 9  | 5383 0  | 6681 0  |      |                                  |        |        |      |                                |      |  |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      |                             | 5774 6  | 7185 0  | 8379 0  |      |                                  |        |        |      |                                |      |  |      |
| 3529 Other chemical products                     |      |                             | 1462 9  | 1853 0  | 1950 0  |      |                                  |        |        |      |                                |      |  |      |



|   |         |          |          |          |        |         |         |      |      |
|---|---------|----------|----------|----------|--------|---------|---------|------|------|
| 354 Misc petroleum and coal products            | 114 2   | 1545 1   | 1799 0   | 1849 0   | 33 5   | 485 0   | 572 0   | 29 4 | 15 0 |
| 355 Rubber products                             | 282 6   | 2784 0   | 3129 0   | 3248 0   | 128 8  | 1306 0  | 1425 0  | 45 6 | 19 7 |
| 3551 Tyres and tubes                            |         | 2237 5   | 2500 0   | 2581 0   |        |         |         |      |      |
| 3559 Other rubber products                      |         | 546 5    | 629 0    | 667 0    |        |         |         |      |      |
| 356 Plastic products                            | 167 0   | 2396 2   | 2737 0   | 3019 0   | 74 8   | 1107 0  | 1279 0  | 44 8 |      |
| 361 Pottery, china, earthenware                 | 37 8    | 635 5    | 755 0    | 938 0    | 24 0   | 409 0   | 478 0   | 63 5 |      |
| 362 Glass and products                          | 220 9   | 2974 2   | 3767 0   | 4060 0   | 124 5  | 1763 0  | 2161 0  | 56 4 | 19 9 |
| 369 Other non-metallic mineral products         | 439 1   | 5239 2   | 7247 0   | 8893 0   | 226 4  | 2773 0  | 3914 0  | 51 5 | 13 7 |
| 3691 Structural clay products                   |         | 433 0    | 468 0    | 481 0    |        |         |         |      |      |
| 3692 Cement, lime and plaster                   |         | 3670 0   | 5347 0   | 6531 0   |        |         |         |      |      |
| 3699 Other non-metallic mineral products        |         | 1136 2   | 1432 0   | 1881 0   |        |         |         |      |      |
| 371 Iron and steel                              | 1429 2  | 15555 9  | 16358 0  | 16399 0  | 456 2  | 5060 0  | 5194 0  | 31 9 | 16 2 |
| 372 Non-ferrous metals                          | 486 3   | 6256 2   | 5592 0   | 5736 0   | 138 1  | 1987 0  | 1807 0  | 28 4 | 14 7 |
| 381 Fabricated metal products                   | 456 4   | 6014 7   | 7085 0   | 7591 0   | 202 5  | 2657 0  | 3180 0  | 44 4 | 8 9  |
| 3811 Cutlery, hand tools and general hardware   |         | 342 7    | 412 0    | 384 0    |        |         |         |      |      |
| 3812 Furniture and fixtures primarily of metal  |         | 623 7    | 729 0    | 843 0    |        |         |         |      |      |
| 3813 Structural metal products                  |         | 574 4    | 911 0    | 852 0    |        |         |         |      |      |
| 3819 Other fabricated metal products            |         | 4473 9   | 5033 0   | 5612 0   |        |         |         |      |      |
| 382 Non-electrical machinery                    | 347 0   | 4465 2   | 5163 0   | 5486 0   | 163 4  | 2097 0  | 2309 0  | 47 1 | 4 7  |
| 3821 Engines and turbines                       |         | -        | -        | -        |        |         |         |      |      |
| 3822 Agricultural machinery and equipment       |         | 615 4    | 584 0    | 741 0    |        |         |         |      |      |
| 3823 Metal and wood working machinery           |         | 964 5    | 1059 0   | 1206 0   |        |         |         |      |      |
| 3824 Other special industrial machinery         |         | -        | -        | -        |        |         |         |      |      |
| 3825 Office, computing and accounting machinery |         | 1785 9   | 2114 0   | 1883 0   |        |         |         |      |      |
| 3829 Other non-electrical machinery & equipment |         | 1099 4   | 1406 0   | 1656 0   |        |         |         |      |      |
| 383 Electrical machinery                        | 671 0   | 8010 2   | 9313 0   | 9709 0   | 311 8  | 4333 0  | 4729 0  | 46 5 | 8 1  |
| 3831 Electrical industrial machinery            |         | 2864 2   | 3846 0   | 3862 0   |        |         |         |      |      |
| 3832 Radio, television and communication equipm |         | 3030 9   | 2901 0   | 3134 0   |        |         |         |      |      |
| 3833 Electrical appliances and housewares       |         | 925 5    | 1229 0   | 1398 0   |        |         |         |      |      |
| 3839 Other electrical apparatus and supplies    |         | 1188 6   | 1337 0   | 1315 0   |        |         |         |      |      |
| 384 Transport equipment                         | 1715 9  | 31920 1  | 43772 0  | 51320 0  | 579 9  | 9518 0  | 12640 0 | 33 8 | 9 8  |
| 3841 Shipbuilding and repairing                 |         | 41 5     | 47 0     | 33 0     |        |         |         |      |      |
| 3842 Railroad equipment                         |         | 223 1    | 204 0    | 37 0     |        |         |         |      |      |
| 3843 Motor vehicles                             |         | 31425 3  | 43315 0  | 51014 0  |        |         |         |      |      |
| 3844 Motorcycles and bicycles                   |         | 230 2    | 206 0    | 236 0    |        |         |         |      |      |
| 3845 Aircraft                                   |         | -        | -        | -        |        |         |         |      |      |
| 3849 Other transport equipment                  |         | -        | -        | -        |        |         |         |      |      |
| 385 Professional and scientific equipment       | 34 7    | 510 5    | 726 0    | 737 0    | 14 1   | 229 0   | 294 0   | 40 5 |      |
| 3851 Prof and scientific equipment n e c        |         | 510 5    | 726 0    | 737 0    |        |         |         |      |      |
| 3852 Photographic and optical goods             |         | -        | -        | -        |        |         |         |      |      |
| 3853 Watches and clocks                         |         | -        | -        | -        |        |         |         |      |      |
| 390 Other manufacturing industries              | 41 1    | 490 7    | 628 0    | 755 0    | 21 0   | 270 0   | 328 0   | 51 0 |      |
| 3901 Jewellery and related articles             |         | -        | -        | -        |        |         |         |      |      |
| 3902 Musical instruments                        |         | -        | -        | -        |        |         |         |      |      |
| 3903 Sporting and athletic goods                |         | -        | -        | -        |        |         |         |      |      |
| 3909 Manufacturing industries, n e c            |         | 490 7    | 628 0    | 755 0    |        |         |         |      |      |
| 3 Total manufacturing                           | 12389 2 | 165972 1 | 202491 0 | 226443 0 | 4839 9 | 65929 0 | 79554 0 | 39 1 |      |

## Mexico

| ISIC Industry                             | Gross fixed capital formation |                 |      |      |      | Index numbers of industrial production |            |      |      |      |      |      |      |      |      |
|---|-------------------------------|-----------------|------|------|------|--|------------|------|------|------|------|------|------|------|------|
|   | Note                          | (billion PESOS) |      |      |      | Note                                   | (1980=100) |      |      |      |      |      |      |      |      |
|   |                               | 1985            | 1990 | 1991 | 1992 |  | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |                               | ...             | ...  | ...  | ...  | a/                                     | 109        | 115  | 117  | 118  | 117  | 124  | 129  | 133  |      |
| 313 Beverages                             |                               | ...             | ...  | ...  | ...  | a/                                     | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 314 Tobacco                               |                               | ...             | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 321 Textiles                              |                               | ...             | ...  | ...  | ...  | b/                                     | 93         | 98   | 92   | 92   | 96   | 97   | 96   | 91   |      |
| 322 Wearing apparel, except footwear      |                               | ...             | ...  | ...  | ...  | b/                                     | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 323 Leather and fur products              |                               | ...             | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 324 Footwear, except rubber or plastic    |                               | ...             | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 331 Wood products, except furniture       |                               | ...             | ...  | ...  | ...  | c/                                     | 106        | 112  | 108  | 106  | 104  | 108  | 116  | 119  |      |
| 332 Furniture and fixtures, exc! metal    |                               | ...             | ...  | ...  | ...  | c/                                     | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 341 Paper and products                    |                               | ...             | ...  | ...  | ...  | d/                                     | 109        | 117  | 115  | 114  | 114  | 122  | 127  | 123  |      |
| 342 Printing and publishing               |                               | ...             | ...  | ...  | ...  | d/                                     | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 351 Industrial chemicals                  |                               | ...             | ...  | ...  | ...  | e/                                     | 113        | 119  | 117  | 121  | 123  | 132  | 140  | 148  |      |
| 352 Other chemicals                       |                               | ...             | ...  | ...  | ...  | e/                                     | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 353 Petroleum refineries                  |                               | ...             | ...  | ...  | ...  | e/                                     | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 354 Misc petroleum and coal products      |                               | ...             | ...  | ...  | ...  | e/                                     | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 355 Rubber products                       |                               | ...             | ...  | ...  | ...  | e/                                     | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 356 Plastic products                      |                               | ...             | ...  | ...  | ...  | e/                                     | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 361 Pottery, china, earthenware           |                               | ...             | ...  | ...  | ...  | f/                                     | 97         | 106  | 92   | 103  | 97   | 103  | 110  | 116  |      |
| 362 Glass and products                    |                               | ...             | ...  | ...  | ...  | f/                                     | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 369 Other non-metallic mineral products   |                               | ...             | ...  | ...  | ...  | f/                                     | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 371 Iron and steel                        |                               | ...             | ...  | ...  | ...  | g/                                     | 100        | 97   | 89   | 102  | 108  | 113  | 120  | 117  |      |
| 372 Non-ferrous metals                    |                               | ...             | ...  | ...  | ...  | g/                                     | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 381 Fabricated metal products             |                               | ...             | ...  | ...  | ...  | h/                                     | 88         | 101  | 94   | 103  | 113  | 125  | 132  | 146  |      |
| 382 Non-electrical machinery              |                               | ...             | ...  | ...  | ...  | h/                                     | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 383 Electrical machinery                  |                               | ...             | ...  | ...  | ...  | h/                                     | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 384 Transport equipment                   |                               | ...             | ...  | ...  | ...  | h/                                     | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 385 Professional and scientific equipment |                               | ...             | ...  | ...  | ...  | h/                                     | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |
| 390 Other manufacturing industries        |                               | ...             | ...  | ...  | ...  |  | 90         | 101  | 103  | 106  | 118  | 136  | 141  | 139  |      |
| 3 Total manufacturing                     |                               | ...             | ...  | ...  | ...  |  | 101        | 109  | 105  | 109  | 112  | 120  | 126  | 131  |      |

a/ 311/2 includes 313 and 314

c/ 331 includes 332

e/ 351 includes 352, 353, 354, 355 and 356

g/ 371 includes 372

b/ 321 includes 322.

d/ 341 includes 342.

f/ 361 includes 362 and 369.

h/ 381 includes 382, 383, 384 and 385

## MOROCCO

**Supplier of information:**

Direction de la statistique, Secretariat d'Etat au plan et au developpement régional, Premier ministre, Rabat.

**Basic source of data:**

Survey of industrial structure, conducted by the Direction de la statistique in collaboration with two research institutions.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

Establishments with 10 or more employees.

**Method of enumeration:**

Establishments with 50 or more employees are covered on a complete enumeration basis, establishments with 10-49 employees are covered by sampling.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Wages and salaries refers to compensation of employees.

**Related national publications:**

Rapports sur l'enquête de structure sur l'industrie, published by the Direction de la statistique, Secretariat d'Etat au plan et au developpement régional, Premier ministre, Rabat.

## Morocco

| ISIC Industry                             | Note | Number of establishments<br>(numbers) |      |      |      | Note | Number of employees<br>(numbers) |         |          |          | Note | wages and salaries paid<br>to employees<br>(million DIRHAMS) |        |        |        |
|---|------|---------------------------------------|------|------|------|------|----------------------------------|---------|----------|----------|------|--|--------|--------|--------|
|   |      | 1985                                  | 1990 | 1991 | 1992 |      | 1985                             | 1990    | 1991     | 1992     |      | 1985   | 1990   | 1991   | 1992   |
| 311/2 Food Products                       |      | 779                                   | 954  | 964  | 939  |      | 22 182                           | 206 17  | 273 50   | 269 80   |      | 5 19   | 8 29   | 9 34   | 10 04  |
| 313 Beverages                             | a/   | 33                                    | 45   | 42   | 44   | a/   | 8 973                            | 6 961   | 11 615   | 12 821   | a/   | 2 85   | 4 99   | 5 59   | 6 00   |
| 314 Tobacco                               | a/   |                                       |      |      |      | a/   |                                  |         |          |          | a/   |  |        |        |        |
| 321 Textiles                              |      | 422                                   | 662  | 739  | 759  |      | 48 710                           | 55 104  | 69 858   | 73 166   |      | 9 92   | 13 38  | 15 79  | 17 48  |
| 322 Wearing apparel, except footwear      |      | 362                                   | 792  | 824  | 824  |      | 24 918                           | 80 057  | 89 611   | 93 029   |      | 2 77   | 12 13  | 15 23  | 16 71  |
| 323 Leather and fur products              | b/   | 241                                   | 324  | 313  | 303  | b/   | 11 867                           | 14 103  | 15 559   | 16 931   | b/   | 2 01   | 3 54   | 3 83   | 4 26   |
| 324 Footwear, except rubber or plastic    | b/   |                                       |      |      |      | b/   |                                  |         |          |          | b/   |  |        |        |        |
| 331 Wood products, except furniture       | c/   | 177                                   | 227  | 250  | 247  | c/   | 10 397                           | 9 761   | 10 638   | 10 346   | c/   | 2 02   | 3 05   | 2 97   | 3 27   |
| 332 Furniture and fixtures, excl metal    | c/   |                                       |      |      |      | c/   |                                  |         |          |          | c/   |  |        |        |        |
| 341 Paper and products                    | d/   | 298                                   | 376  | 401  | 398  | d/   | 11 310                           | 11 229  | 13 020   | 13 743   | d/   | 3 10   | 4 99   | 5 08   | 5 53   |
| 342 Printing and publishing               | d/   |                                       |      |      |      | d/   |                                  |         |          |          | d/   |  |        |        |        |
| 351 Industrial chemicals                  | e/   | 190                                   | 321  | 354  | 391  | e/   | 18 079                           | 21 888  | 26 283   | 26 051   | e/   | 6 91   | 12 85  | 14 88  | 16 43  |
| 352 Other chemicals                       | e/   |                                       |      |      |      | e/   |                                  |         |          |          | e/   |  |        |        |        |
| 353 Petroleum refineries                  |      |                                       |      |      |      |      |                                  |         |          |          |      |  |        |        |        |
| 354 Misc petroleum and coal products      |      |                                       |      |      |      |      |                                  |         |          |          |      |  |        |        |        |
| 355 Rubber products                       | f/   | 165                                   | 235  | 254  | 262  | f/   | 7 149                            | 8 610   | 10 348   | 11 153   | f/   | 2 04   | 3 20   | 3 67   | 4 39   |
| 356 Plastic products                      | f/   |                                       |      |      |      | f/   |                                  |         |          |          | f/   |  |        |        |        |
| 361 Pottery, china, earthenware           | g/   | 283                                   | 358  | 383  | 394  |      | 20 903g/                         |         | 34 634g/ | 37 440g/ | g/   | 5 90   | 8 39   | 10 10  | 11 34  |
| 362 Glass and products                    | g/   |                                       |      |      |      |      | g/                               |         | g/       | g/       | g/   |  |        |        |        |
| 369 Other non-metallic mineral products   | g/   |                                       |      |      |      |      | g/                               |         | g/       | g/       | g/   |  |        |        |        |
| 371 Iron and steel                        | h/   | 32                                    | 21   | 13   | 13   |      | 23 36h/                          |         | 16 92h/  | 17 16h/  | h/   | 90   | 114    | 98     | 100    |
| 372 Non-ferrous metals                    | h/   |                                       |      |      |      |      | h/                               |         | h/       | h/       | h/   |  |        |        |        |
| 381 Fabricated metal products             |      | 316                                   | 377  | 417  | 422  |      | 17 760                           | 16 753  | 22 130   | 25 257   |      | 4 93   | 7 15   | 8 38   | 9 27   |
| 382 Non-electrical machinery              | i/   | 158                                   | 247  | 261  | 268  | i/   | 5 981                            | 7 334   | 7 983    | 7 672    | i/   | 1 71   | 2 34   | 2 66   | 2 90   |
| 383 Electrical machinery                  |      | 86                                    | 132  | 117  | 118  |      | 8 760                            | 11 251  | 11 618   | 10 183   |      | 2 82   | 4 91   | 5 17   | 5 36   |
| 384 Transport equipment                   |      | 80                                    | 102  | 103  | 97   |      | 6 184                            | 8 846   | 10 859   | 11 171   |      | 2 19   | 4 63   | 5 23   | 5 45   |
| 385 Professional and scientific equipment | i/   | 18                                    | 29   | 28   | 28   | i/   | 5 13                             | 11 83   | 11 98    | 8 91     | i/   | 1 0  | 2 8    | 3 0    | 2 6    |
| 390 Other manufacturing industries        |      | 22                                    | 31   | 29   | 28   |      | 4 82                             | 6 38    | 5 71     | 6 98     |      | 8  | 20     | 22     | 28     |
| 3 Total manufacturing                     | j/   | 4009                                  | 5730 | 6023 | 6100 | j/   | 271 251                          | 414 112 | 426 330  | 437 000  | j/   | 6 155  | 10 918 | 12 460 | 13 492 |

a/ 313 includes 314  
c/ 331 includes 332  
e/ 351 includes 352  
g/ 361 includes 362 and 369  
i/ 385 includes office machines (ISIC 3825)

b/ 323 includes 324  
d/ 341 includes 342  
f/ 355 includes 356  
h/ 371 includes 372  
j/ Total includes industries for which data are not allocated to a particular sector

## Morocco

| ISIC Industry                             | Note | Output<br>(million DIRHAMS) |        |        |        | Note | Value added<br>(million DIRHAMS) |       |       |        | Share of<br>value added<br>in output<br>(percentage) |      | Share of<br>wages and<br>salaries in<br>value added<br>(percentage) |      |
|---|------|-----------------------------|--------|--------|--------|------|----------------------------------|-------|-------|--------|--|------|---|------|
|   |      | 1985                        | 1990   | 1991   | 1992   |      | 1985                             | 1990  | 1991  | 1992   | 1985   | 1992 | 1985  | 1992 |
| 311/2 Food Products                       |      | 7305                        | 11970  | 13606  | 13964  |      | 1108                             | 1188  | 2299  | 2366   | 15.2   | 16.9 | 46.8  | 42.4 |
| 313 Beverages                             | a/   | 3146                        | 5981   | 6303   | 7326   | a/   | 2440                             | 5207  | 6001  | 6811   | 77.6   | 93.0 | 11.7  | 8.8  |
| 314 Tobacco                               | a/   |                             |        |        |        | a/   |                                  |       |       |        |  |      |   |      |
| 321 Textiles                              |      | 6691                        | 9499   | 10714  | 11292  |      | 1734                             | 2800  | 3046  | 3389   | 26.9   | 30.0 | 57.2  | 51.6 |
| 322 Wearing apparel, except footwear      |      | 1666                        | 5792   | 6776   | 7063   |      | 467                              | 1881  | 2329  | 2558   | 27.4   | 36.2 | 60.6  | 65.3 |
| 323 Leather and fur products              | b/   | 1417                        | 2196   | 2182   | 2065   | b/   | 308                              | 661   | 612   | 589    | 21.7   | 28.7 | 66.3  | 72.3 |
| 324 Footwear, except rubber or plastic    | b/   |                             |        |        |        | b/   |                                  |       |       |        |  |      |   |      |
| 331 Wood products, except furniture       | c/   | 1324                        | 2803   | 2238   | 2358   | c/   | 413                              | 651   | 666   | 670    | 31.2   | 28.4 | 48.9  | 48.8 |
| 332 Furniture and fixtures, excl metal    | c/   |                             |        |        |        | c/   |                                  |       |       |        |  |      |   |      |
| 341 Paper and products                    |      | 2933d/                      | 4411d/ | 3440   | 5046d/ |      | 644                              | 1248  | 1111  | 1173   |  |      |   |      |
| 342 Printing and publishing               |      | d/                          | d/     | 1215   | d/     |      | 193                              | 358   | 378   | 421    |  |      |   |      |
| 351 Industrial chemicals                  | e/   | 10076                       | 19108  | 17411  | 17459  |      | 1671                             | 3324  | 4106  | 5066   |  |      |   |      |
| 352 Other chemicals                       | e/   |                             |        |        |        |      | 133                              | 248   | 249   | 256    |  |      |   |      |
| 353 Petroleum refineries                  |      |                             |        |        |        |      |                                  |       |       |        |  |      |   |      |
| 354 Misc petroleum and coal products      | f/   | 1406                        | 2388   | 2736   | 2748   | f/   | 547                              | 821   | 971   | 989    | 38.9   | 36.0 | 37.3  | 44.4 |
| 355 Rubber products                       | f/   |                             |        |        |        | f/   |                                  |       |       |        |  |      |   |      |
| 356 Plastic products                      | f/   |                             |        |        |        | f/   |                                  |       |       |        |  |      |   |      |
| 361 Pottery, china, earthenware           | g/   | 216                         | 6917   | 7289   | 8108   |      |                                  |       |       | 3596g/ |  | 44.4 |   | 31.6 |
| 362 Glass and products                    | g/   |                             |        |        |        |      |                                  |       |       | n/     |  |      |   |      |
| 369 Other non-metallic mineral products   | g/   |                             |        |        |        |      |                                  |       |       | g/     |  |      |   |      |
| 371 Iron and steel                        | h/   | 315                         | 2688   | 2368   | 2455   |      |                                  | 666h/ | 580h/ | 616h/  |  | 26.1 |   | 16.2 |
| 372 Non-ferrous metals                    | h/   |                             |        |        |        |      |                                  | h/    | h/    | h/     |  |      |   |      |
| 381 Fabricated metal products             |      | 3106                        | 5331   | 6405   | 7489   |      | 965                              | 1370  | 1687  | 1923   | 31.1   | 26.7 | 61.1  | 48.2 |
| 382 Non-electrical machinery              | i/   | 1394                        | 1554   | 1600   | 1518   | i/   |                                  |       |       |        |  |      |   |      |
| 383 Electrical machinery                  |      | 1822                        | 4215   | 4102   | 3802   |      | 564                              | 1085  | 1106  | 1042   | 31.0   | 27.4 | 60.0  | 61.4 |
| 384 Transport equipment                   |      | 2206                        | 4230   | 5600   | 5428   |      | 493                              | 1151  | 1379  | 1257   | 22.4   | 23.2 | 44.4  | 43.4 |
| 385 Professional and scientific equipment | i/   | 51                          | 200    | 250    | 214    | i/   |                                  | 57    | 72    | 68     |  | 31.8 |   | 38.2 |
| 390 Other manufacturing industries        |      | 26                          | 86     | 86     | 112    |      | 10                               | 32    | 35    | 42     | 38.6   | 37.6 | 80.0  | 66.7 |
| 3 Total manufacturing                     | j/   | 59937                       | 103583 | 109932 | 114699 | j/   | 11804                            | 29170 | 33682 | 36088  | 19.7   | 31.6 | 62.1  | 37.4 |

a/ 313 includes 314  
c/ 331 includes 332  
e/ 351 includes 352  
g/ 361 includes 362 and 369  
i/ 385 includes office machines (ISIC 3825)

b/ 323 includes 324  
d/ 341 includes 342  
f/ 356 includes 356  
h/ 371 includes 372  
j/ Total includes industries for which data are not allocated to a particular sector

## Morocco

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|------|------|--|------|------|------|------|------|------|------|------|
|   |      | (million DIRHAMS)             |      |      |      |      | (1980=100)                             |      |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990 | 1991 | 1992 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      | 182                           | 447  | 626  | 732  |      | 109                                    | 108  | 113  | 94   | 99   | 98   | 100  | 104  | 101  |
| 313 Beverages                             | a/   | 186                           | 500  | 366  | 492  |      | 73                                     | 75   | 78   | 90   | 106  | 114  | 120  | 142  | 139  |
| 314 Tobacco                               | a/   | ...                           | ...  | ...  | ...  |      | 123                                    | 121  | 120  | 120  | 123  | 111  | 114  | 108  | 104  |
| 321 Textiles                              |      | 353                           | 946  | 1387 | 1119 |      | 102                                    | 117  | 128  | 143  | 152  | 151  | 167  | 162  | 167  |
| 322 Wearing apparel, except footwear      |      | 89                            | 597  | 476  | 528  |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 323 Leather and fur products              | b/   | 64                            | 67   | 79   | 89   | b/c/ | 118                                    | 116  | 102  | 98   | 107  | 112  | 110  | 123  | 122  |
| 324 Footwear, except rubber or plastic    | b/   | ...                           | ...  | ...  | ...  | b/   | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 331 Wood products, except furniture       |      | 57                            | 163  | 92   | 89   |      | 100                                    | 92   | 87   | 88   | 93   | 95   | 95   | 103  | 96   |
| 332 Furniture and fixtures, excl metal    |      | 37                            | 21   | 13   | 6    |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 341 Paper and products                    |      | 98                            | 295  | 391  | 501  |      | 87                                     | 94   | 98   | 93   | 100  | 97   | 97   | 90   | 96   |
| 342 Printing and publishing               |      | 39                            | ...  | 78   | 117  |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 351 Industrial chemicals                  | d/   | 173                           | 655  | 946  | 725  |      | 146                                    | 171  | 185  | 155  | 165  | 139  | 163  | 148  | 151  |
| 352 Other chemicals                       | d/   | ...                           | ...  | ...  | ...  |      | 112                                    | 112  | 117  | 112  | 123  | 126  | 125  | 128  | 139  |
| 353 Petroleum refineries                  |      | ...                           | ...  | ...  | ...  |      | 112                                    | 116  | 103  | 85   | 94   | 101  | 108  | 101  | 113  |
| 354 Misc petroleum and coal products      |      | ...                           | ...  | ...  | ...  |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 355 Rubber products                       | e/   | 56                            | 185  | 274  | 264  |      | 73                                     | 64   | 60   | 64   | 69   | 89   | 76   | 78   | 71   |
| 356 Plastic products                      | e/   | ...                           | ...  | ...  | ...  |      | 67                                     | 70   | 86   | 109  | 111  | 116  | 137  | 138  | 131  |
| 361 Pottery, china, earthenware           | f/   | 31                            | 727  | 1190 | 2540 |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 362 Glass and products                    | f/   | ...                           | ...  | ...  | ...  |      | 72                                     | 84   | 89   | 92   | 116  | 126  | 125  | 110  | 143  |
| 369 Other non-metallic mineral products   | f/   | ...                           | ...  | ...  | ...  |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 371 Iron and steel                        | g/   | 2                             | 67   | 36   | 16   |      | 95                                     | 81   | 67   | 124  | 146  | 169  | 167  | 178  | 173  |
| 372 Non-ferrous metals                    | g/   | ...                           | ...  | ...  | ...  |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 381 Fabricated metal products             |      | 154                           | 308  | 310  | 323  |      | 91                                     | 82   | 67   | 87   | 91   | 96   | 102  | 109  | 124  |
| 382 Non-electrical machinery              | h/   | ...                           | 62   | 89   | 101  |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 383 Electrical machinery                  |      | 115                           | 191  | 170  | 145  |      | 82                                     | 93   | 107  | 102  | 98   | 109  | 119  | 113  | 101  |
| 384 Transport equipment                   |      | 59                            | 226  | 291  | 169  |      | 62                                     | 71   | 81   | 116  | 123  | 136  | 147  | 161  | 126  |
| 385 Professional and scientific equipment | h/   | ...                           | 19   | 22   | 9    |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 390 Other manufacturing industries        |      | ...                           | 1    | 3    | 6    |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 3 Total manufacturing                     | i/   | 1694                          | 6556 | 7679 | 8780 |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |

a/ 313 includes 314

c/ Excluding fur and fur products

e/ 355 includes 356

g/ 371 includes 372

i/ Total includes industries for which data are not allocated to a particular sector.

b/ 323 includes 324

d/ 351 includes 352

f/ 361 includes 362 and 369

h/ 385 includes office machines (ISIC 3826)

## MOZAMBIQUE

**Supplier of information:**

Direcção Nacional de Estatística, Maputo.

**Basic source of data:**

Annual inquiries undertaken by government agencies: for peeling and whitening of rice, the Cereals Institute of Mozambique and, for other industrial activities and saltern operations, the Direcção Nacional de Estatística, Maputo.

The data for 1989 are taken from the national publication 'Informação Estatística 1989', issued by the Comissão Nacional do Plano, Direcção Nacional de Estatística and are not found to be comparable with data for the previous years.

**Major deviations from current version of ISIC:**

The following activities are not included in manufacturing: poultry slaughtering, copra drying, tailoring, dressmaking, upholstering, manufacture of underclothes and embroidering.

**Reference period (if not calendar year):****Scope:**

All registered establishments.

**Method of enumeration:**

Questionnaires distributed by mail.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

Number of establishments refers to those in operation on 31 December.

Number of persons engaged relates to 31 December of the year indicated.

Output and value added refer to gross output and total value added, respectively.

**Related national publications:**

Estatística Industriais (annual), published by the Direcção Nacional de Estatística, Maputo.

## Mozambique

| ISIC Industry                             | Note | Number of establishments<br>(numbers) |      |      |       | Note | Number of persons engaged<br>(numbers) |      |         |      | Note | Wages and salaries paid<br>to employees<br>(million ESCUOS) |      |      |      |
|---|------|---------------------------------------|------|------|-------|------|--|------|---------|------|------|---|------|------|------|
|   |      | 1985                                  | 1989 | 1990 | 1991  |      | 1985                                   | 1989 | 1990    | 1991 |      | 1985  | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                                       | 74   |      | 117a/ |      | 39230                                  |      | 33170a/ |      |      |   |      |      |      |
| 313 Beverages                             |      |                                       | 10   |      | a/    |      | 1710                                   |      | 3/      |      |      |   |      |      |      |
| 314 Tobacco                               |      |                                       | 3    |      | a/    |      | 360                                    |      | a/      |      |      |   |      |      |      |
| 321 Textiles                              |      |                                       | 18   |      | 57b/  |      | 11640                                  |      | 14850b/ |      |      |   |      |      |      |
| 322 Wearing apparel, except footwear      |      |                                       | 23   |      | b/    |      | 3700                                   |      | b/      |      |      |   |      |      |      |
| 323 Leather and fur products              |      |                                       | 1    |      | b/    |      | 170                                    |      | b/      |      |      |   |      |      |      |
| 324 Footwear, except rubber or plastic    |      |                                       | 11   |      | b/    |      | 1310                                   |      | b/      |      |      |   |      |      |      |
| 331 Wood products, except furniture       |      |                                       | 11   |      | 40c/  |      | 2140                                   |      | 3390c/  |      |      |   |      |      |      |
| 332 Furniture and fixtures, excl metal    |      |                                       | 17   |      | c/    |      | 1230                                   |      | c/      |      |      |   |      |      |      |
| 341 Paper and products                    |      |                                       | 3    |      | 29d/  |      | 400                                    |      | 2930d/  |      |      |   |      |      |      |
| 342 Printing and publishing               |      |                                       | 24   |      | d/    |      | 2620                                   |      | d/      |      |      |   |      |      |      |
| 351 Industrial chemicals                  |      |                                       | 8    |      | 41e/  |      | 260                                    |      | 4630e/  |      |      |   |      |      |      |
| 352 Other chemicals                       |      |                                       | 14   |      | e/    |      | 1270                                   |      | e/      |      |      |   |      |      |      |
| 353 Petroleum refineries                  |      |                                       | 1    |      | e/    |      | 960                                    |      | e/      |      |      |   |      |      |      |
| 354 Misc petroleum and coal products      |      |                                       | -    |      | e/    |      | -                                      |      | e/      |      |      |   |      |      |      |
| 355 Rubber products                       |      |                                       | 6    |      | e/    |      | 1080                                   |      | e/      |      |      |   |      |      |      |
| 356 Plastic products                      |      |                                       | 8    |      | e/    |      | 940                                    |      | e/      |      |      |   |      |      |      |
| 361 Pottery, china, earthenware           |      |                                       | -    |      | 14f/  |      | -                                      |      | 3660f/  |      |      |   |      |      |      |
| 362 Glass and products                    |      |                                       | 2    |      | f/    |      | 880                                    |      | f/      |      |      |   |      |      |      |
| 369 Other non-metallic mineral products   |      |                                       | 9    |      | f/    |      | 3090                                   |      | f/      |      |      |   |      |      |      |
| 371 Iron and steel                        |      |                                       | 7    |      | 11g/  |      | 1600                                   |      | 1610g/  |      |      |   |      |      |      |
| 372 Non-ferrous metals                    |      |                                       | -    |      | g/    |      | -                                      |      | g/      |      |      |   |      |      |      |
| 381 Fabricated metal products             |      |                                       | 14   |      | 58h/  |      | 2280                                   |      | 6680h/  |      |      |   |      |      |      |
| 382 Non-electrical machinery              |      |                                       | 13   |      | h/    |      | 1680                                   |      | 1/      |      |      |   |      |      |      |
| 383 Electrical machinery                  |      |                                       | 6    |      | h/    |      | 1470                                   |      | 1/      |      |      |   |      |      |      |
| 384 Transport equipment                   |      |                                       | 9    |      | h/    |      | 2760                                   |      | 1/      |      |      |   |      |      |      |
| 385 Professional and scientific equipment |      |                                       | 1    |      | h/    |      | 80                                     |      | 1/      |      |      |   |      |      |      |
| 390 Other manufacturing industries        |      |                                       | 2    |      | 2     |      | 260                                    |      | 240     |      |      |   |      |      |      |
| 3 Total manufacturing                     |      |                                       | 296  |      | 369   |      | 83100                                  |      | 70860   |      |      |   |      |      |      |

a/ 311/2 includes 313 and 314

c/ 331 includes 332

e/ 351 includes 352, 353, 354, 355 and 356

g/ 371 includes 372

i/ 381 includes 382, 384 and 385

b/ 321 includes 322, 323 and 324

d/ 341 includes 342

f/ 361 includes 362 and 369

h/ 381 includes 382, 383, 384 and 385



## Mozambique

| ISIC Industry                             | Note | Output<br>(million ESCUDOS) |      |      |        | Note | Value added<br>(million ESCUDOS) |      |      |      | Share of<br>value added<br>in output<br>(percentage) |      | Share of<br>wages and<br>salaries in<br>value added<br>(percentage) |      |  |
|---|------|-----------------------------|------|------|--------|------|----------------------------------|------|------|------|--|------|---|------|--|
|   |      | 1985                        | 1989 | 1990 | 1991   |      | 1985                             | 1989 | 1990 | 1991 | 1985   | 1991 | 1985  | 1991 |  |
|   |      |                             |      |      |        |      |                                  |      |      |      |  |      |   |      |  |
| 311/2 Food Products                       |      |                             |      |      | 133281 |      |                                  |      |      |      |  |      |   |      |  |
| 313 Beverages                             |      |                             |      |      | 35514  |      |                                  |      |      |      |  |      |   |      |  |
| 314 Tobacco                               |      |                             |      |      | 14621  |      |                                  |      |      |      |  |      |   |      |  |
| 321 Textiles                              |      |                             |      |      | 53613  |      |                                  |      |      |      |  |      |   |      |  |
| 322 Wearing apparel, except footwear      |      |                             |      |      | 20278  |      |                                  |      |      |      |  |      |   |      |  |
| 323 Leather and fur products              |      |                             |      |      | 836    |      |                                  |      |      |      |  |      |   |      |  |
| 324 Footwear, except rubber or plastic    |      |                             |      |      | 1841   |      |                                  |      |      |      |  |      |   |      |  |
| 331 Wood products, except furniture       |      |                             |      |      | 4608   |      |                                  |      |      |      |  |      |   |      |  |
| 332 Furniture and fixtures, excl metal    |      |                             |      |      | 3023   |      |                                  |      |      |      |  |      |   |      |  |
| 341 Paper and products                    |      |                             |      |      | 7846   |      |                                  |      |      |      |  |      |   |      |  |
| 342 Printing and publishing               |      |                             |      |      | 7192   |      |                                  |      |      |      |  |      |   |      |  |
| 351 Industrial chemicals                  |      |                             |      |      | 2266   |      |                                  |      |      |      |  |      |   |      |  |
| 352 Other chemicals                       |      |                             |      |      | 27661  |      |                                  |      |      |      |  |      |   |      |  |
| 353 Petroleum refineries                  |      |                             |      |      | 4517   |      |                                  |      |      |      |  |      |   |      |  |
| 354 Misc petroleum and coal products      |      |                             |      |      | 14578  |      |                                  |      |      |      |  |      |   |      |  |
| 355 Rubber products                       |      |                             |      |      | 6780   |      |                                  |      |      |      |  |      |   |      |  |
| 356 Plastic products                      |      |                             |      |      | 6780   |      |                                  |      |      |      |  |      |   |      |  |
| 361 Pottery, china, earthenware           |      |                             |      |      | 6      |      |                                  |      |      |      |  |      |   |      |  |
| 362 Glass and products                    |      |                             |      |      | 7852   |      |                                  |      |      |      |  |      |   |      |  |
| 369 Other non-metallic mineral products   |      |                             |      |      | 21135  |      |                                  |      |      |      |  |      |   |      |  |
| 371 Iron and steel                        |      |                             |      |      | 16912  |      |                                  |      |      |      |  |      |   |      |  |
| 372 Non-ferrous metals                    |      |                             |      |      | 898    |      |                                  |      |      |      |  |      |   |      |  |
| 381 Fabricated metal products             |      |                             |      |      | 9602   |      |                                  |      |      |      |  |      |   |      |  |
| 382 Non-electrical machinery              |      |                             |      |      | 2162   |      |                                  |      |      |      |  |      |   |      |  |
| 383 Electrical machinery                  |      |                             |      |      | 12420  |      |                                  |      |      |      |  |      |   |      |  |
| 384 Transport equipment                   |      |                             |      |      | 9931   |      |                                  |      |      |      |  |      |   |      |  |
| 385 Professional and scientific equipment |      |                             |      |      | 18     |      |                                  |      |      |      |  |      |   |      |  |
| 390 Other manufacturing industries        |      |                             |      |      | 494    |      |                                  |      |      |      |  |      |   |      |  |
| 3 Total manufacturing                     |      |                             |      |      | 426655 |      |                                  |      |      |      |  |      |   |      |  |

Mozambique

| ISIC Industry                             | Gross fixed capital formation |                   |      |      | Index numbers of industrial production |      |            |      |      |      |      |      |      |      |      |  |
|---|-------------------------------|-------------------|------|------|--|------|------------|------|------|------|------|------|------|------|------|--|
|   | Note                          | (million ESCUDOS) |      |      |  | Note | (1980=100) |      |      |      |      |      |      |      |      |  |
|   |                               | 1985              | 1989 | 1990 | 1991                                   |      | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |  |
| 311/2 Food Products                       |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 313 Beverages                             |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 314 Tobacco                               |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 321 Textiles                              |                               | ...               | ...  | ...  | ...                                    | 155  | 109        | 93   | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 322 Wearing apparel, except footwear      |                               | ...               | ...  | ...  | ...                                    | 118  | 91         | 72   | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 323 Leather and fur products              |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 324 Footwear, except rubber or plastic    |                               | ...               | ...  | ...  | ...                                    | 110  | 96         | 126  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 331 Wood products, except furniture       |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 332 Furniture and fixtures, excl metal    |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 341 Paper and products                    |                               | ...               | ...  | ...  | ...                                    | 68   | 72         | 74   | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 342 Printing and publishing               |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 351 Industrial chemicals                  |                               | ...               | ...  | ...  | ...                                    | 52   | 56         | 54   | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 352 Other chemicals                       |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 353 Petroleum refineries                  |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 354 Misc petroleum and coal products      |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 355 Rubber products                       |                               | ...               | ...  | ...  | ...                                    | 50   | 80         | 67   | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 356 Plastic products                      |                               | ...               | ...  | ...  | ...                                    | 80   | 77         | 143  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 361 Pottery, china, earthenware           |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 362 Glass and products                    |                               | ...               | ...  | ...  | ...                                    | 166  | 131        | 170  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 369 Other non-metallic mineral products   |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 371 Iron and steel                        |                               | ...               | ...  | ...  | ...                                    | 113  | 75         | 53   | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 372 Non-ferrous metals                    |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 381 Fabricated metal products             |                               | ...               | ...  | ...  | ...                                    | 116  | 109        | 103  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 382 Non-electrical machinery              |                               | ...               | ...  | ...  | ...                                    | 185  | 128        | 168  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 383 Electrical machinery                  |                               | ...               | ...  | ...  | ...                                    | 131  | 113        | 109  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 384 Transport equipment                   |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 385 Professional and scientific equipment |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 390 Other manufacturing industries        |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 3 Total manufacturing                     |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |

## NEPAL

**Supplier of information:**

Central Bureau of Statistics, National Planning Commission, Kathmandu.

**Basic source of data:**

For 1986 and 1991 Census of Manufacturing Establishments. For 1987 to 1990 Annual Survey of Manufacturing Establishments.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):**

Fiscal year beginning 15 July of the year indicated.

**Scope:**

In general establishments with 10 or more persons engaged. The 1991 census data is based on a complete and revised enumeration of manufacturing establishments.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of employees refers to employment on 15 January. It includes contract workers.

Wages and salaries refers to the compensation of employees, including contributions to insurance, old age benefits, etc.

Output refers to census output and is not adjusted for the cost of goods sold without further processing.

Value added refers to census value added.

**Related national publications:**

Census of Manufacturing Establishments; Annual Survey of Manufacturing Establishments; both published by the Central Bureau of Statistics, Kathmandu.

## Nepal

| ISIC Industry                                    | Note | Number of establishments<br>(numbers) |      |      |      | Note | Number of employees<br>(numbers) |       |       |      | Note | Wages and salaries paid<br>to employees<br>(thousand RUPEES) |        |         |      |
|--|------|---------------------------------------|------|------|------|------|----------------------------------|-------|-------|------|------|--|--------|---------|------|
|  |      | 1985                                  | 1989 | 1990 | 1991 |      | 1985                             | 1989  | 1990  | 1991 |      | 1985   | 1989   | 1990    | 1991 |
| 311/2 Food Products                              |      |                                       | 373  | 383  | 609  |      | 1738b                            | 17038 | 21268 |      |      | 181662   | 197362 | 367360  |      |
| 3111 Slaughtering, preparing & preserving meat   |      |                                       |      |      |      |      |                                  |       |       |      |      |  |        |         |      |
| 3112 Dairy products                              |      |                                       | 26   | 24   | 32   |      | 1681                             | 1282  | 2485  |      |      | 27455  | 30163  | 66276   |      |
| 3113 Canning, preserving of fruits & vegetables  |      |                                       | 6    | 6    | 9    |      | 213                              | 187   | 258   |      |      | 2474   | 2326   | 3014    |      |
| 3114 Canning, preserving and processing of fish  |      |                                       |      |      |      |      |                                  |       |       |      |      |  |        |         |      |
| 3115 Vegetable and animal oils and fats          |      |                                       | 24   | 25   | 52   |      | 816                              | 662   | 1810  |      |      | 11864  | 12906  | 41603   |      |
| 3116 Grain mill products                         |      |                                       | 132  | 139  | 264  |      | 4808                             | 4823  | 6233  |      |      | 37826  | 43398  | 68619   |      |
| 3117 Bakery products                             |      |                                       | 92   | 93   | 106  |      | 2083                             | 2256  | 2887  |      |      | 29332  | 32731  | 46806   |      |
| 3118 Sugar factories and refineries              |      |                                       | 30   | 31   | 30   |      | 6659                             | 6290  | 6171  |      |      | 69435  | 68216  | 118036  |      |
| 3119 Cocoa, chocolates and sugar confectionery   |      |                                       | 20   | 23   | 28   |      | 310                              | 260   | 452   |      |      | 2458   | 2387   | 4887    |      |
| 3121 Other food products                         |      |                                       | 29   | 28   | 61   |      | 804                              | 1119  | 1253  |      |      | 8421   | 12649  | 18247   |      |
| 3122 Prepared animal feeds                       |      |                                       | 14   | 14   | 27   |      | 211                              | 159   | 709   |      |      | 2416   | 2697   | 9873    |      |
| 313 Beverages                                    |      |                                       | 38a/ | 37   | 47   |      | 1628a/                           | 2081  | 2690  |      |      | 23562a/  | 36962  | 65742   |      |
| 3131 Distilling, rectifying and blending spirits |      |                                       | 28   | 26   | 31   |      | 882                              | 840   | 1101  |      |      | 11784  | 12318  | 20958   |      |
| 3132 Wine industries                             |      |                                       | 5    | 5    | 9    |      | 29                               | 27    | 91    |      |      | 439  | 293    | 1220    |      |
| 3133 Malt liquors and malt                       |      |                                       | 2a/  | 3    | 4    |      |                                  | 576   | 887   |      |      |  | 13926  | 17986   |      |
| 3134 Soft drinks and carbonated waters           |      |                                       | 3    | 3    | 3    |      | 717                              | 638   | 611   |      |      | 11329  | 10416  | 26679   |      |
| 314 Tobacco                                      |      |                                       | 72   | 68   | 85   |      | 5724                             | 4660  | 6822  |      |      | 77042  | 77989  | 122477  |      |
| 32 Textiles                                      |      |                                       | 420  | 425  | 1427 |      | 30644                            | 41498 | 77717 |      |      | 360213   | 626210 | 1430263 |      |
| 3211 Spinning, weaving and finishing textiles    |      |                                       | 217  | 216  | 192  |      | 9829                             | 8246  | 8217  |      |      | 112994   | 123967 | 163774  |      |
| 3212 Made-up textile goods excl wearing apparel  |      |                                       | 4    | 5    | 7    |      | 37                               | 32    | 120   |      |      | 494  | 382    | 1739    |      |
| 3213 Knitting mills                              |      |                                       | 55   | 59   | 50   |      | 997                              | 1286  | 2241  |      |      | 10297  | 10733  | 38287   |      |
| 3214 Carpets and rugs                            |      |                                       | 141  | 140  | 1173 |      | 15623                            | 27473 | 62130 |      |      | 181746   | 417670 | 1126571 |      |
| 3215 Cordage, rope and twine                     |      |                                       | 3    | 5    | 5    |      | 4068                             | 4461  | 5009  |      |      | 64683  | 72478  | 99882   |      |
| 3219 Other textiles                              |      |                                       |      |      |      |      |                                  |       |       |      |      |  |        |         |      |
| 322 Wearing apparel, except footwear             |      |                                       | 93   | 95   | 234  |      | 9427                             | 11612 | 17260 |      |      | 160429   | 262638 | 409160  |      |
| 323 Leather and fur products                     |      |                                       | 12   | 13   | 19   |      | 618                              | 616   | 588   |      |      | 7141   | 10169  | 10930   |      |
| 3231 Tanneries and leather finishing             |      |                                       |      |      |      |      |                                  |       |       |      |      |  |        |         |      |
| 3232 Fur dressing and dyeing industries          |      |                                       |      |      |      |      |                                  |       |       |      |      |  |        |         |      |
| 3233 Leather prods excl wearing apparel          |      |                                       | 12   | 13   |      |      | 618                              | 616   |       |      |      | 7141   | 10169  |         |      |
| 324 Footwear, except rubber or plastic           |      |                                       | 8    | 8    | 22   |      | 646                              | 606   | 793   |      |      | 9376   | 13637  | 19938   |      |
| 33 Wood products, except furniture               |      |                                       | 107  | 112  | 143  |      | 1861                             | 2199  | 3283  |      |      | 21673  | 26138  | 60880   |      |
| 3311 Sawmills, planing and other wood mills      |      |                                       | 99   | 103  | 126  |      | 1623                             | 1907  | 2935  |      |      | 19694  | 23294  | 44791   |      |
| 3312 Wooden and cane containers                  |      |                                       |      |      |      |      |                                  |       |       |      |      |  |        |         |      |
| 3319 Other wood and cork products                |      |                                       | 8    | 9    | 17   |      | 228                              | 292   | 348   |      |      | 1979   | 2844   | 6069    |      |
| 332 Furniture and fixtures, excl metal           |      |                                       | 115  | 117  | 255  |      | 1308                             | 1254  | 3167  |      |      | 14193  | 14908  | 69325   |      |
| 34 Paper and products                            |      |                                       | 23   | 22   | 47   |      | 1613                             | 1604  | 1436  |      |      | 18381  | 21271  | 27494   |      |
| 3411 Pulp, paper and paperboard articles         |      |                                       | 23   | 22   |      |      | 1613                             | 1604  |       |      |      | 18381  | 21271  |         |      |
| 3412 Containers of paper and paperboard          |      |                                       |      |      |      |      |                                  |       |       |      |      |  |        |         |      |
| 3419 Other pulp, paper and paperboard articles   |      |                                       |      |      |      |      |                                  |       |       |      |      |  |        |         |      |
| 342 Printing and publishing                      |      |                                       | 88   | 88   | 136  |      | 1854                             | 2261  | 2681  |      |      | 32261  | 41446  | 33576   |      |
| 35 Industrial chemicals                          |      |                                       | 1a/  | 1a/  | 1a/  |      |                                  |       |       |      |      |  |        |         |      |
| 3511 Basic chemicals excl fertilizers            |      |                                       | 1a/  | 1a/  | 1a/  |      |                                  |       |       |      |      |  |        |         |      |
| 3512 Fertilizers and pesticides                  |      |                                       |      |      |      |      |                                  |       |       |      |      |  |        |         |      |
| 3513 Synthetic resins and plastic materials      |      |                                       |      |      |      |      |                                  |       |       |      |      |  |        |         |      |
| 352 Other chemicals                              |      |                                       | 91   | 85   | 90   |      | 5215                             | 6176  | 4276  |      |      | 67067  | 83203  | 79144   |      |
| 3521 Paints, varnishes and lacquers              |      |                                       |      |      |      |      |                                  |       |       |      |      |  |        |         |      |
| 3522 Drugs and medicines                         |      |                                       | 12   | 12   | 20   |      | 1086                             | 1251  | 1399  |      |      | 17399  | 22753  | 28676   |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      |                                       | 35   | 32   | 22   |      | 1237                             | 932   | 682   |      |      | 16504  | 16373  | 11687   |      |
| 3529 Other chemical products                     |      |                                       | 44   | 41   | 48   |      | 2892                             | 2992  | 2194  |      |      | 33164  | 46077  | 38882   |      |
| 353 Petroleum refineries                         |      |                                       |      |      |      |      |                                  |       |       |      |      |  |        |         |      |

|   |      |      |      |        |        |        |         |         |         |   |
|---|------|------|------|--------|--------|--------|---------|---------|---------|---|
| 354 Misc petroleum and coal products            | -    | -    | -    | -      | -      | -      | -       | -       | -       | - |
| 355 Rubber products                             | 29   | 33   | 51   | 1078   | 723    | 1092   | 10380   | 9476    | 17766   |   |
| 3551 Tyres and tubes                            |      |      |      |        |        |        |         |         |         |   |
| 3559 Other rubber products                      | 29   | 33   | 51   | 1078   | 723    | 1092   | 10380   | 9476    | 17766   |   |
| 356 Plastic products                            | 49   | 56   | 110  | 1196   | 1306   | 2135   | 17300   | 16796   | 37142   |   |
| 361 Pottery, china, earthenware                 | -    | -    | -    | -      | -      | -      | -       | -       | -       |   |
| 362 Glass and products                          | 1a/  | 1a/  | 2a/  |        |        |        |         |         |         |   |
| 369 Other non-metallic mineral products         | 654  | 636  | 707  | 48324  | 57223  | 61996  | 263713  | 299914  | 460224  |   |
| 3691 Structural clay products                   | 585  | 567  | 564  | 44130  | 53350  | 56878  | 184222  | 231441  | 320993  |   |
| 3692 Cement, lime and plaster                   | 64   | 64   | 137  | 3114   | 3199   | 5429   | 56600   | 57548   | 127968  |   |
| 3699 Other non-metallic mineral products        | 5    | 5    | 6    | 1080   | 674    | 688    | 13891   | 10926   | 11273   |   |
| 371 Iron and steel                              | 25   | 24   | 16   | 1653   | 1666   | 1568   | 22031   | 26901   | 36020   |   |
| 372 Non-ferrous metals                          | -    | -    | -    | -      | -      | -      | -       | -       | -       |   |
| 381 Fabricated metal products                   | 134  | 136  | 198  | 2710   | 2841   | 4054   | 42397   | 42852   | 77362   |   |
| 3811 Cutlery, hand tools and general hardware   | 2    | 2    | 6    |        |        | 406    |         |         | 9909    |   |
| 3812 Furniture and fixtures primarily of metal  | 27   | 26   | 51   | 578    | 531    | 906    | 6603    | 6737    | 18172   |   |
| 3813 Structural metal products                  | 48   | 50   | 80   | 1137   | 996    | 1700   | 19700   | 18632   | 33030   |   |
| 3819 Other fabricated metal products            | 57   | 58   | 61   | 995    | 1316   | 1043   | 16004   | 16583   | 16261   |   |
| 382 Non-electrical machinery                    | -    | -    | -    | -      | -      | -      | -       | -       | -       |   |
| 3821 Engines and turbines                       |      |      |      |        |        |        |         |         |         |   |
| 3822 Agricultural machinery and equipment       |      |      |      |        |        |        |         |         |         |   |
| 3823 Metal and wood working machinery           |      |      |      |        |        |        |         |         |         |   |
| 3824 Other special industrial machinery         |      |      |      |        |        |        |         |         |         |   |
| 3825 Office, computing and accounting machinery |      |      |      |        |        |        |         |         |         |   |
| 3829 Other non-electrical machinery & equipment |      |      |      |        |        |        |         |         |         |   |
| 383 Electrical machinery                        | 21   | 21   | 35   | 924    | 801    | 1114   | 13860   | 13839   | 26662   |   |
| 3831 Electrical industrial machinery            |      |      |      |        |        |        |         |         |         |   |
| 3832 Radio, television and communication equipm | 4    | 3    | 6    | 229    | 101    | 221    | 4187    | 2234    | 6006    |   |
| 3833 Electrical appliances and housewares       |      |      | 3    |        |        | 62     |         |         | 1091    |   |
| 3839 Other electrical apparatus and supplies    | 17   | 18   | 26   | 696    | 700    | 831    | 9673    | 11606   | 19666   |   |
| 384 Transport equipment                         | -    | -    | -    | -      | -      | -      | -       | -       | -       |   |
| 3841 Shipbuilding and repairing                 |      |      |      |        |        |        |         |         |         |   |
| 3842 Railroad equipment                         |      |      |      |        |        |        |         |         |         |   |
| 3843 Motor vehicles                             |      |      |      |        |        |        |         |         |         |   |
| 3844 Motorcycles and bicycles                   |      |      |      |        |        |        |         |         |         |   |
| 3845 Aircraft                                   |      |      |      |        |        |        |         |         |         |   |
| 3849 Other transport equipment                  |      |      |      |        |        |        |         |         |         |   |
| 385 Professional and scientific equipment       | 2a/  | 1a/  | 1a/  |        |        |        |         |         |         |   |
| 3851 Prof and scientific equipment n e c        | 2a/  | 1a/  | 1a/  |        |        |        |         |         |         |   |
| 3852 Photographic and optical goods             |      |      |      |        |        |        |         |         |         |   |
| 3853 Watches and clocks                         |      |      |      |        |        |        |         |         |         |   |
| 390 Other manufacturing industries              | 27   | 26   | 37   | 1398   | 1046   | 879    | 13669   | 13673   | 16463   |   |
| 3901 Jewellery and related articles             |      |      | 16   |        |        | 194    |         |         | 6426    |   |
| 3902 Musical instruments                        |      |      |      |        |        |        |         |         |         |   |
| 3903 Sporting and athletic goods                |      |      |      |        |        |        |         |         |         |   |
| 3909 Manufacturing industries, n e c            | 27   | 26   | 22   | 1398   | 1046   | 685    | 13669   | 13673   | 10028   |   |
| 3 Total manufacturing                           | 2383 | 2387 | 4270 | 135677 | 156628 | 213497 | 1360463 | 1640510 | 3346902 |   |

a/ All or part of data suppressed to maintain confidentiality

## Nepal

| ISIC Industry                                    | Note | Output in producers' prices |       |      |      | Note | Value added in producers' prices |       |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-----------------------------|-------|------|------|------|----------------------------------|-------|------|------|--------------------------------|------|--|------|
|  |      | (million RUPEES)            |       |      |      |      | (million RUPEES)                 |       |      |      | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                        | 1989  | 1990 | 1991 |      | 1985                             | 1989  | 1990 | 1991 | 1985                           | 1991 | 1985                                       | 1991 |
| 311/2 Food Products                              |      |                             | 3067  | 4163 | 7296 |      |                                  | 839   | 1110 | 1944 | 26.6                           | 18.9 |  |      |
| 3111 Slaughtering, preparing & preserving meat   |      |                             |       |      |      |      |                                  |       |      |      |                                |      |  |      |
| 3112 Dairy products                              |      |                             | 309   | 350  | 1058 |      |                                  | 69    | 91   | 203  | 19.6                           | 32.6 |  |      |
| 3113 Canning, preserving of fruits & vegetables  |      |                             | 45    | 24   | 56   |      |                                  | 18    | 12   | 28   | 50.0                           | 10.8 |  |      |
| 3114 Canning, preserving and processing of fish  |      |                             |       |      |      |      |                                  |       |      |      |                                |      |  |      |
| 3115 Vegetable and animal oils and fats          |      |                             | 475   | 575  | 1914 |      |                                  | 122   | 178  | 495  | 25.9                           | 8.4  |  |      |
| 3116 Grain mill products                         |      |                             | 1045  | 1676 | 2225 |      |                                  | 226   | 288  | 403  | 18.1                           | 14.5 |  |      |
| 3117 Bakery products                             |      |                             | 368   | 431  | 544  |      |                                  | 117   | 140  | 218  | 40.1                           | 21.5 |  |      |
| 3118 Sugar factories and refineries              |      |                             | 563   | 790  | 972  |      |                                  | 214   | 797  | 415  | 42.7                           | 28.4 |  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      |                             | 22    | 29   | 46   |      |                                  | 8     | 11   | 19   | 41.3                           | 25.7 |  |      |
| 3121 Other food products                         |      |                             | 193   | 149  | 180  |      |                                  | 64    | 50   | 69   | 38.3                           | 26.4 |  |      |
| 3122 Prepared animal feeds                       |      |                             | 47    | 139  | 321  |      |                                  | 11    | 43   | 94   | 29.3                           | 10.6 |  |      |
| 313 Beverages                                    |      |                             | 514a/ | 933  | 1151 |      |                                  | 344a/ | 668  | 832  | 72.3                           | 7.9  |  |      |
| 3131 Distilling, rectifying and blending spirits |      |                             | 372   | 446  | 409  |      |                                  | 259   | 330  | 325  | 79.6                           | 6.4  |  |      |
| 3132 Wine industries                             |      |                             | 2     | 1    | 11   |      |                                  | 1     | -    | 6    | 54.6                           | 20.3 |  |      |
| 3133 Malt liquors and malt                       |      |                             |       | 328  | 510  |      |                                  |       | 239  | 364  | 69.4                           | 5.1  |  |      |
| 3134 Soft drinks and carbonated waters           |      |                             | 140   | 158  | 221  |      |                                  | 84    | 99   | 147  | 66.6                           | 17.4 |  |      |
| 314 Tobacco                                      |      |                             | 1405  | 1711 | 1953 |      |                                  | 948   | 1163 | 1392 | 71.3                           | 8.8  |  |      |
| 321 Textiles                                     |      |                             | 2538  | 3987 | 9473 |      |                                  | 966   | 1593 | 4063 | 42.9                           | 36.2 |  |      |
| 3211 Spinning, weaving and finishing textiles    |      |                             | 1094  | 1277 | 1628 |      |                                  | 412   | 587  | 678  | 41.6                           | 24.2 |  |      |
| 3212 Made-up textile goods excl. wearing apparel |      |                             | 6     | 6    | 32   |      |                                  | 2     | 2    | 12   | 37.5                           | 14.6 |  |      |
| 3213 Knitting mills                              |      |                             | 98    | 88   | 391  |      |                                  | 54    | 31   | 151  | 38.8                           | 25.4 |  |      |
| 3214 Carpets and rugs                            |      |                             | 1174  | 2360 | 7057 |      |                                  | 447   | 880  | 3074 | 43.6                           | 36.6 |  |      |
| 3215 Cordage, rope and twine                     |      |                             | 166   | 256  | 365  |      |                                  | 51    | 93   | 148  | 40.5                           | 67.5 |  |      |
| 3219 Other textiles                              |      |                             |       |      |      |      |                                  |       |      |      |                                |      |  |      |
| 322 Wearing apparel, except footwear             |      |                             | 1070  | 1613 | 2528 |      |                                  | 494   | 695  | 1135 | 44.9                           | 36.0 |  |      |
| 323 Leather and fur products                     |      |                             | 326   | 448  | 373  |      |                                  | 63    | 131  | 108  | 29.0                           | 10.1 |  |      |
| 3231 Tanneries and leather finishing             |      |                             |       |      |      |      |                                  |       |      |      |                                |      |  |      |
| 3232 Fur dressing and dyeing industries          |      |                             |       |      |      |      |                                  |       |      |      |                                |      |  |      |
| 3233 Leather prods. excl. wearing apparel        |      |                             | 326   | 448  |      |      |                                  | 63    | 131  |      |                                |      |  |      |
| 324 Footwear, except rubber or plastic           |      |                             | 50    | 57   | 161  |      |                                  | 24    | 35   | 67   | 41.6                           | 29.8 |  |      |
| 331 Wood products, except furniture              |      |                             | 154   | 179  | 617  |      |                                  | 66    | 74   | 265  | 42.9                           | 19.2 |  |      |
| 3311 Sawmills, planing and other wood mills      |      |                             | 149   | 162  | 585  |      |                                  | 53    | 64   | 249  | 42.6                           | 18.0 |  |      |
| 3312 Wooden and cane containers                  |      |                             |       |      |      |      |                                  |       |      |      |                                |      |  |      |
| 3319 Other wood and cork products                |      |                             | 5     | 17   | 32   |      |                                  | 3     | 10   | 16   | 50.0                           | 38.1 |  |      |
| 332 Furniture and fixtures, excl. metal          |      |                             | 66    | 142  | 451  |      |                                  | 30    | 69   | 194  | 43.0                           | 30.6 |  |      |
| 341 Paper and products                           |      |                             | 231   | 261  | 275  |      |                                  | 85    | 92   | 99   | 36.0                           | 27.0 |  |      |
| 3411 Pulp, paper and paperboard articles         |      |                             | 231   | 261  |      |      |                                  | 85    | 92   |      |                                |      |  |      |
| 3412 Containers of paper and paperboard          |      |                             |       |      |      |      |                                  |       |      |      |                                |      |  |      |
| 3419 Other pulp, paper and paperboard articles   |      |                             |       |      |      |      |                                  |       |      |      |                                |      |  |      |
| 342 Printing and publishing                      |      |                             | 142   | 158  | 320  |      |                                  | 48    | 46   | 88   | 27.6                           | 38.2 |  |      |
| 351 Industrial chemicals                         |      |                             |       |      |      |      |                                  |       |      |      |                                |      |  |      |
| 3511 Basic chemicals excl. fertilizers           |      |                             |       |      |      |      |                                  |       |      |      |                                |      |  |      |
| 3512 Fertilizers and pesticides                  |      |                             |       |      |      |      |                                  |       |      |      |                                |      |  |      |
| 3513 Synthetic resins and plastic materials      |      |                             |       |      |      |      |                                  |       |      |      |                                |      |  |      |
| 352 Other chemicals                              |      |                             | 777   | 1172 | 1297 |      |                                  | 347   | 395  | 489  | 37.7                           | 16.2 |  |      |
| 3521 Paints, varnishes and lacquers              |      |                             |       |      |      |      |                                  |       |      |      |                                |      |  |      |
| 3522 Drugs and medicines                         |      |                             | 130   | 127  | 214  |      |                                  | 82    | 65   | 107  | 50.0                           | 26.8 |  |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      |                             | 380   | 540  | 410  |      |                                  | 187   | 170  | 117  | 28.5                           | 9.9  |  |      |
| 3529 Other chemical products                     |      |                             | 267   | 505  | 673  |      |                                  | 118   | 170  | 265  | 39.4                           | 14.7 |  |      |
| 353 Petroleum refineries                         |      |                             |       |      |      |      |                                  |       |      |      |                                |      |  |      |

|  |       |       |       |      |      |       |      |      |   |   |
|--|-------|-------|-------|------|------|-------|------|------|---|---|
| 354 Misc petroleum and coal products             | -     | -     | -     | -    | -    | -     | -    | -    | - | - |
| 355 Rubber products                              | 168   | 148   | 298   | 59   | 62   | 121   | 40.6 | 14.7 |   |   |
| 3551 Tyres and tubes                             |       |       |       |      |      |       |      |      |   |   |
| 3559 Other rubber products                       | 168   | 148   | 298   | 59   | 62   | 121   | 40.6 | 14.7 |   |   |
| 356 Plastic products                             | 294   | 283   | 651   | 106  | 98   | 219   | 33.6 | 17.0 |   |   |
| 361 Pottery, china, earthenware                  | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 362 Glass and products                           | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 369 Other non-metallic mineral products          | 1137  | 1667  | 2585  | 666  | 1010 | 1618  | 62.6 | 28.4 |   |   |
| 3691 Structural clay products                    | 641   | 842   | 1087  | 356  | 499  | 670   | 61.6 | 47.9 |   |   |
| 3692 Cement, lime and plaster                    | 464   | 784   | 1474  | 289  | 485  | 939   | 63.7 | 13.6 |   |   |
| 3699 Other non-metallic mineral products         | 32    | 41    | 24    | 21   | 26   | 9     | 37.5 | -    |   |   |
| 371 Iron and steel                               | 898   | 1142  | 1467  | 212  | 242  | 363   | 24.7 | 9.6  |   |   |
| 372 Non-ferrous metals                           | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 381 Fabricated metal products                    | 499   | 687   | 1373  | 149  | 233  | 396   | 28.8 | 19.6 |   |   |
| 3811 Cutlery, hand tools and general hardware    |       |       | 84    |      |      | 32    | 38.1 | 31.0 |   |   |
| 3812 Furniture and fixtures primarily of metal   | 43    | 39    | 141   | 19   | 16   | 60    | 42.6 | 30.3 |   |   |
| 3813 Structural metal products                   | 335   | 437   | 735   | 87   | 146  | 213   | 29.0 | 16.6 |   |   |
| 3819 Other fabricated metal products             | 121   | 211   | 413   | 43   | 72   | 91    | 22.0 | 17.9 |   |   |
| 382 Non-electrical machinery                     | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 3821 Engines and turbines                        | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 3822 Agricultural machinery and equipment        | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 3823 Metal and wood working machinery            | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 3824 Other special industrial machinery          | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 3825 Office, computing and accounting machinery  | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 3829 Other non-electrical machinery & equipment  | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 383 Electrical machinery                         | 377   | 326   | 589   | 125  | 105  | 203   | 34.5 | 12.6 |   |   |
| 3831 Electrical industrial machinery             |       |       |       |      |      |       |      |      |   |   |
| 3832 Radio, television and communication equipa. | 97    | 47    | 168   | 42   | 25   | 48    | 28.8 | 10.4 |   |   |
| 3833 Electrical appliances and housewares        |       |       | 6     |      |      | 2     | 33.3 | 54.6 |   |   |
| 3839 Other electrical apparatus and supplies     | 280   | 279   | 415   | 83   | 80   | 153   | 36.9 | 12.8 |   |   |
| 384 Transport equipment                          | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 3841 Shipbuilding and repairing                  | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 3842 Railroad equipment                          | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 3843 Motor vehicles                              | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 3844 Motorcycles and bicycles                    | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 3845 Aircraft                                    | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 3849 Other transport equipment                   | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 385 Professional and scientific equipment        | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 3851 Prof. and scientific equipment n.e.c.       | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 3852 Photographic and optical goods              | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 3853 Watches and clocks                          | -     | -     | -     | -    | -    | -     | -    | -    |   |   |
| 390 Other manufacturing industries               | 137   | 170   | 115   | 49   | 74   | 46    | 40.0 | 36.8 |   |   |
| 3901 Jewellery and related articles              |       |       | 29    |      |      | 14    | 48.3 | 46.9 |   |   |
| 3902 Musical instruments                         |       |       |       |      |      |       |      |      |   |   |
| 3903 Sporting and athletic goods                 |       |       |       |      |      |       |      |      |   |   |
| 3909 Manufacturing industries, n.e.c.            | 137   | 170   | 86    | 49   | 74   | 32    | 37.2 | 31.3 |   |   |
| 3 Total manufacturing                            | 14236 | 19310 | 32973 | 6608 | 7912 | 13642 | 41.4 | 24.6 |   |   |

a/ All or part of data suppressed to maintain confidentiality

## Nepal

| ISIC Industry                             | Note | Gross fixed capital formation |       |      |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|-------|------|------|------|--|------|------|------|------|------|------|------|
|   |      | (million RUPEES)              |       |      |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1989  | 1990 | 1991 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                               | 1186  | 1338 |      |      |  |      |      |      |      |      |      |      |
| 313 Beverages                             |      |                               | 259a/ | 478  |      |      |  |      |      |      |      |      |      |      |
| 314 Tobacco                               |      |                               | 324   | 351  |      |      |  |      |      |      |      |      |      |      |
| 321 Textiles                              |      |                               | 1017  | 1140 |      |      |  |      |      |      |      |      |      |      |
| 322 wearing apparel, except footwear      |      |                               | 68    | 110  |      |      |  |      |      |      |      |      |      |      |
| 323 Leather and fur products              |      |                               | 54    | 74   |      |      |  |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      |                               | 12    | 13   |      |      |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      |                               | 32    | 89   |      |      |  |      |      |      |      |      |      |      |
| 332 Furniture and fixtures, excl metal    |      |                               | 21    | 37   |      |      |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      |                               | 155   | 187  |      |      |  |      |      |      |      |      |      |      |
| 342 Printing and publishing               |      |                               | 75    | 118  |      |      |  |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      |                               |       |      |      |      |  |      |      |      |      |      |      |      |
| 352 Other chemicals                       |      |                               | 436   | 539  |      |      |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      |                               | -     | -    |      |      |  |      |      |      |      |      |      |      |
| 354 Misc petroleum and coal products      |      |                               | -     | -    |      |      |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      |                               | 78    | 88   |      |      |  |      |      |      |      |      |      |      |
| 356 Plastic products                      |      |                               | 54    | 82   |      |      |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      |                               | -     | -    |      |      |  |      |      |      |      |      |      |      |
| 362 Glass and products                    |      |                               | -     | -    |      |      |  |      |      |      |      |      |      |      |
| 369 Other non metallic mineral products   |      |                               | 1996  | 1970 |      |      |  |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      |                               | 286   | 326  |      |      |  |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |      |                               | -     | -    |      |      |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      |                               | 193   | 266  |      |      |  |      |      |      |      |      |      |      |
| 382 Non-electrical machinery              |      |                               | -     | -    |      |      |  |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      |                               | 98    | 75   |      |      |  |      |      |      |      |      |      |      |
| 384 Transport equipment                   |      |                               | -     | -    |      |      |  |      |      |      |      |      |      |      |
| 385 Professional and scientific equipment |      |                               | -     | -    |      |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      |                               | 64    | 109  |      |      |  |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      |                               | 6581  | 7545 |      |      |  |      |      |      |      |      |      |      |

a/ All or part of data suppressed to maintain confidentiality



## NETHERLANDS

**Supplier of information:**

Netherlands Central Bureau of Statistics, Voorburg.  
Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

**Basic source of data:**

Annual survey of production and fixed capital formation.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

Through 1986, units employing 20 or more persons. Beginning 1987, units employing 10 or more persons.

**Method of enumeration:**

Units with 10 to 20 employees are surveyed on a sample basis, units with 20 or more employees are completely enumerated.

**Adjusted for non-response:**

No.

**Concepts and definitions of variables:**

Number of employees refers to the total number of full-time and part-time employees on 30 September. It includes salaried employees, wage earners and homeworkers.

Wages and salaries paid to employees includes employers' contributions to social security schemes and pension funds, regular and overtime cash payments, bonuses and cost-of-living allowances, vacation pay, taxes and social insurance contributions payable by employees and deducted by employers, payments in kind and allowances. Sick leave pay is not included.

Output refers to gross output and includes production of all products, net change of work in progress, work done on own account, services rendered (including non-industrial services), goods shipped in the same condition as received, electricity sold, fixed assets produced for own use, net changes in stocks of finished goods, and goods made by homeworkers and handicraft workers.

Value added, which uses the national accounts concept, is gross output less the value of consumption (including costs of, and receipts for, non-industrial services). The cost of materials, fuels and other supplies, contract and commission work done by others, repair and maintenance work done by others, goods shipped in the same condition as received and electricity purchased are all deducted. Input estimates are on a received basis, adjusted for stock changes.

Gross fixed capital formation is defined, through 1987, as the value of purchases of fixed assets including own-account construction of assets. Beginning 1988, it is defined as the value of the fixed assets that have become available and are ready to use, which results in the inclusion of leased and hired fixed assets. Fixed assets are new and used assets with a productive life of at least one year, plus additions, alterations and improvements to existing assets. Valuation is at full cost incurred, including delivered price, cost of installation and indirect taxes, but excluding fees and VAT. For assets produced by the unit, the cost of work put in progress, including cost of labour, material and other supplies is taken.

**Related national publications:**

Yearly Production Statistics; Yearly Statistics on Fixed Capital Formation in Industry, both published by the Netherlands Central Bureau of Statistics, Voorburg.

## Netherlands

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note | Number of employees |      |      |      | Note | Wages and salaries paid to employees |      |      |      |
|--|------|--------------------------|------|------|------|------|---------------------|------|------|------|------|--------------------------------------|------|------|------|
|  |      | (numbers)                |      |      |      |      | (thousands)         |      |      |      |      | (million GUILDERS)                   |      |      |      |
|  |      | 1985                     | 1988 | 1989 | 1990 |      | 1985                | 1988 | 1989 | 1990 |      | 1985                                 | 1988 | 1989 | 1990 |
| 311/2 Food Products                              |      | 1435                     | 1435 | 1456 | 1444 |      | 113                 | 115  | 116  | 118  |      | 6212                                 | 6571 | 6560 | 6849 |
| 3111 Slaughtering, preparing & preserving meat   |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3112 Dairy products                              |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3113 Canning, preserving of fruits & vegetables  |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3114 Canning, preserving and processing of fish  |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3115 Vegetable and animal oils and fats          |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3116 Grain mill products                         |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3117 Bakery products                             |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3118 Sugar factories and refineries              |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3119 Cocoa, chocolate and sugar confectionery    |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3121 Other food products                         |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3122 Prepared animal feeds                       |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 313 Beverages                                    |      | 53                       | 50   | 50   | 46   |      | 12                  | 12   | 11   | 11   |      | 818                                  | 894  | 842  | 944  |
| 3131 Distilling, rectifying and blending spirits |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3132 Wine industries                             |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3133 Malt liquors and malt                       |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3134 Soft drinks and carbonated waters           |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 314 Tobacco                                      |      | 24                       | 22   | 22   | 19   |      | 8                   | 7    | 7    | 7    |      | 470                                  | 506  | 481  | 471  |
| 321 Textiles                                     |      | 290                      | 296  | 297  | 291  |      | 24                  | 23   | 22   | 22   |      | 1099                                 | 1177 | 1184 | 1242 |
| 3211 Spinning, weaving and finishing textiles    |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3212 Made-up textile goods excl wearing apparel  |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3213 Knitting mills                              |      | 58                       | 53   | 54   | 53   |      | 4                   | 3    | 3    | 3    |      | 146                                  | 133  | 141  | 141  |
| 3214 Carpets and rugs                            |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3215 Cordage, rope and twine                     |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3219 Other textiles                              |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 322 Wearing apparel, except footwear             | a/   | 275                      | 280  | 292  | 275  | a/   | 13                  | 12   | 12   | 12   | a/   | 465                                  | 474  | 460  | 459  |
| 323 Leather and fur products                     | a/   | ..                       | ..   | ..   | ..   | a/   | ..                  | ..   | ..   | ..   | a/   | ..                                   | ..   | ..   | ..   |
| 3231 Tanneries and leather finishing             |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3232 Fur dressing and dyeing industries          |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3233 Leather prods excl wearing apparel          |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 324 Footwear, except rubber or plastic           |      | 81                       | 64   | 67   | 63   |      | 4                   | 3    | 3    | 3    |      | 152                                  | 134  | 127  | 125  |
| 331 Wood products, except furniture              |      | 334                      | 366  | 383  | 382  |      | 14                  | 15   | 16   | 16   |      | 633                                  | 725  | 762  | 793  |
| 3311 Sawmills, planing and other wood mills      |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3312 Wooden and cane containers                  |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3319 Other wood and cork products                |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 332 Furniture and fixtures, excl metal           |      | 345                      | 366  | 385  | 401  |      | 10                  | 12   | 12   | 13   |      | 445                                  | 549  | 565  | 625  |
| 341 Paper and products                           |      | 182                      | 186  | 189  | 188  |      | 23                  | 25   | 25   | 25   |      | 1318                                 | 1503 | 1530 | 1578 |
| 3411 Pulp, paper and paperboard articles         |      | 31                       | 29   | 29   | 27   |      | 8                   | 9    | 9    | 8    |      | 496                                  | 571  | 573  | 560  |
| 3412 Containers of paper and paperboard          |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 3419 Other pulp, paper and paperboard articles   |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 342 Printing and publishing                      |      | 1042                     | 1065 | 1107 | 1142 |      | 62                  | 66   | 67   | 69   |      | 3528                                 | 4012 | 4254 | 4440 |
| 351 Industrial chemicals                         |      | 107                      | 110  | 114  | 115  |      | 54                  | 57   | 58   | 59   |      | 4048                                 | 4475 | 4647 | 4841 |
| 3511 Basic chemicals excl fertilizers            |      | 88                       | 92   | 95   | 96   |      | 47                  | 51   | 52   | 53   |      | 3552                                 | 3998 | 4188 | 4394 |
| 3512 Fertilizers and pesticides                  |      | 19                       | 18   | 19   | 20   |      | 7                   | 6    | 6    | 6    |      | 496                                  | 477  | 479  | 448  |
| 3513 Synthetic resins and plastic materials      |      | ..                       | ..   | ..   | ..   |      | ..                  | ..   | ..   | ..   |      | ..                                   | ..   | ..   | ..   |
| 352 Other chemicals                              |      | 205                      | 215  | 214  | 218  |      | 31                  | 33   | 32   | 33   |      | 1861                                 | 2172 | 2145 | 2274 |
| 3521 Paints, varnishes and lacquers              |      | 65                       | 69   | 71   | 68   |      | 7                   | 7    | 7    | 7    |      | 393                                  | 451  | 468  | 495  |
| 3522 Drugs and medicines                         |      | 50                       | 54   | 51   | 51   |      | 12                  | 13   | 13   | 13   |      | 810                                  | 906  | 906  | 933  |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 34                       | 33   | 32   | 37   |      | 5                   | 5    | 5    | 5    |      | 265                                  | 312  | 297  | 328  |
| 3529 Other chemical products                     |      | 56                       | 59   | 60   | 62   |      | 7                   | 8    | 7    | 7    |      | 393                                  | 504  | 474  | 518  |
| 363 Petroleum refineries                         |      | 8                        | 7    | 7    | 7    |      | 8                   | 7    | 7    | 6    |      | 733                                  | 704  | 670  | 599  |

|   |    |      |       |       |       |    |     |      |      |      |    |        |        |        |        |
|---|----|------|-------|-------|-------|----|-----|------|------|------|----|--------|--------|--------|--------|
| 354 Misc petroleum and coal products            |    | 22   | 23    | 23    | 25    |    | 2   | 2    | 2    | 2    |    | 121    | 141    | 131    | 137    |
| 355 Rubber products                             |    | 45   | 36    | 42    | 40    |    | 7   | 6    | 6    | 6    |    | 340    | 348    | 351    | 356    |
| 3551 Tyres and tubes                            |    |      |       |       |       |    |     |      |      |      |    |        |        |        |        |
| 3559 Other rubber products                      |    |      |       |       |       |    |     |      |      |      |    |        |        |        |        |
| 356 Plastic products                            |    | 312  | 354   | 366   | 392   |    | 19  | 23   | 25   | 27   |    | 1016   | 1286   | 1411   | 1551   |
| 361 Pottery, china, earthenware                 |    | 121  | 50    | b/    | b/    |    | 7   | 4    | b/   | b/   |    | 208    | 207    | b/     | b/     |
| 362 Glass and products                          |    | 31   | 409c/ | 39    | 39    |    | 5   | 26c/ | 6    | 6    |    | 1348c/ | 1554c/ | 378    | 404    |
| 369 Other non-metallic mineral products         |    | 312  | c/    | 442b/ | 440b/ |    | 17  | c/   | 25b/ | 26b/ |    | c/     | c/     | 1431b/ | 1530b/ |
| 3691 Structural clay products                   |    |      |       |       |       |    |     |      |      |      |    |        |        |        |        |
| 3692 Cement, lime and plaster                   |    |      |       |       |       |    |     |      |      |      |    |        |        |        |        |
| 3699 Other non-metallic mineral products        |    |      |       |       |       |    |     |      |      |      |    |        |        |        |        |
| 371 Iron and steel                              | d/ | 117  | 125   | 126   | 124   | d/ | 35  | 35   | 35   | 35   | d/ | 2259   | 2391   | 2399   | 2430   |
| 372 Non-ferrous metals                          | d/ |      |       |       |       | d/ |     |      |      |      | d/ |        |        |        |        |
| 381 Fabricated metal products                   |    | 1256 | 1438  | 1515  | 1531  |    | 65  | 70   | 73   | 76   |    | 3238   | 3757   | 3921   | 4207   |
| 3811 Cutlery, hand tools and general hardware   |    |      |       |       |       |    |     |      |      |      |    |        |        |        |        |
| 3812 Furniture and fixtures primarily of metal  |    |      |       |       |       |    |     |      |      |      |    |        |        |        |        |
| 3813 Structural metal products                  |    | 607  | 730   | 749   | 754   |    | 26  | 29   | 30   | 32   |    | 1302   | 1541   | 1610   | 1754   |
| 3819 Other fabricated metal products            |    |      |       |       |       |    |     |      |      |      |    |        |        |        |        |
| 382 Non-electrical machinery                    |    | 1163 | 1270  | 1318  | 1346  |    | 79  | 79   | 83   | 86   |    | 4204   | 4625   | 4785   | 5170   |
| 3821 Engines and turbines                       |    | 80   | 77    | 80    | 83    |    | 8   | 7    | 7    | 7    |    | 444    | 417    | 404    | 438    |
| 3822 Agricultural machinery and equipment       |    | 95   | 117   | 122   | 128   |    | 5   | 5    | 6    | 6    |    | 252    | 282    | 298    | 340    |
| 3823 Metal and wood working machinery           | e/ | 120  | 447   | 128   | 128   | e/ | 27  | 29   | 39   | 41   | e/ | 1411   | 1986   | 1185   | 2418   |
| 3824 Other special industrial machinery         | e/ |      |       |       |       | e/ |     |      |      |      | e/ |        |        |        |        |
| 3825 Office, computing and accounting machinery |    | 10   | 620f/ | 512f/ | 531f/ |    | 6   | 34f/ | 31f/ | 32f/ |    | 430    | 1938f/ | 1800f/ | 1976f/ |
| 3829 Other non-electrical machinery & equipment |    | 431  | f/    | f/    | f/    |    | 31  | f/   | f/   | f/   |    | 1666   | f/     | f/     | f/     |
| 383 Electrical machinery                        |    | 348  | 437   | 469   | 494   |    | 117 | 117  | 116  | 116  |    | 5693   | 7467   | 7380   | 7273   |
| 3831 Electrical industrial machinery            |    | 68   | 73    | 76    | 77    |    | 8   | 7    | 8    | 8    |    | 449    | 432    | 456    | 489    |
| 3832 Radio, television and communication equipm | g/ | 280  | 364   | 393   | 417   | g/ | 109 | 110  | 108  | 108  | g/ | 6244   | 7035   | 6914   | 6784   |
| 3833 Electrical appliances and housewares       | g/ |      |       |       |       | g/ |     |      |      |      | g/ |        |        |        |        |
| 3839 Other electrical apparatus and supplies    | g/ |      |       |       |       | g/ |     |      |      |      | g/ |        |        |        |        |
| 384 Transport equipment                         |    | 450  | 458   | 479   | 488   |    | 58  | 55   | 58   | 60   |    | 3265   | 3234   | 3391   | 3641   |
| 3841 Shipbuilding and repairing                 |    | 215  | 203   | 213   | 209   |    | 24  | 16   | 16   | 16   |    | 1370   | 942    | 951    | 1003   |
| 3842 Railroad equipment                         |    |      |       |       |       |    |     |      |      |      |    |        |        |        |        |
| 3843 Motor vehicles                             | h/ | 178  | 191   | 196   | 205   | h/ | 31  | 35   | 38   | 40   | h/ | 1731   | 2110   | 2242   | 2413   |
| 3844 Motorcycles and bicycles                   |    | 26   | 24    | 25    | 23    |    | 2   | 2    | 2    | 2    |    | 101    | 90     | 93     | 104    |
| 3845 Aircraft                                   | h/ |      |       |       |       | h/ |     |      |      |      | h/ |        |        |        |        |
| 3849 Other transport equipment                  |    | 31   | 40    | 45    | 51    |    | 1   | 2    | 2    | 2    |    | 63     | 92     | 106    | 121    |
| 385 Professional and scientific equipment       |    | 155  | 168   | 167   | 166   |    | 7   | 7    | 8    | 8    |    | 371    | 390    | 407    | 449    |
| 3851 Prof and scientific equipment n e c        |    | 138  | 142   | 142   | 142   |    | 5   | 5    | 6    | 6    |    | 286    | 279    | 292    | 328    |
| 3852 Photographic and optical goods             |    |      | 26i/  | 25i/  | 24i/  | i/ | 2   | 2    | 2    | 2    | i/ | 84     | 111    | 115    | 122    |
| 3853 Watches and clocks                         |    |      | i/    | i/    | i/    | i/ |     |      |      |      | i/ |        |        |        |        |
| 390 Other manufacturing industries              |    | 89   | 87    | 91    | 93    |    | 3   | 3    | 3    | 3    |    | 126    | 133    | 143    | 156    |
| 3901 Jewellery and related articles             |    | 27   | 21    | 27    | 27    |    | 1   | 1    | 1    | 1    |    | 34     | 26     | 34     | 30     |
| 3902 Musical instruments                        |    |      |       |       |       |    |     |      |      |      |    |        |        |        |        |
| 3903 Sporting and athletic goods                |    |      |       |       |       |    |     |      |      |      |    |        |        |        |        |
| 3909 Manufacturing industries, n e c            |    |      |       |       |       |    |     |      |      |      |    |        |        |        |        |
| 3 Total manufacturing                           |    | 8802 | 9317  | 9660  | 9770  |    | 797 | 814  | 826  | 846  |    | 44971  | 49429  | 50356  | 52154  |

a/ 322 includes 323  
c/ 362 includes 369  
e/ 3823 includes 3824  
g/ 3832 includes 3833 and 3839  
i/ 3852 includes 3853

b/ 369 includes 361  
d/ 371 includes 372  
f/ 3825 includes 3829  
h/ 3843 includes 3845

## Netherlands

| ISIC Industry                                    | Note | Output in producers' prices |       |       |       | Note | Value added in producers' prices |       |       |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-----------------------------|-------|-------|-------|------|----------------------------------|-------|-------|------|--------------------------------|------|--|------|
|  |      | (million GUILDERS)          |       |       |       |      | (million GUILDERS)               |       |       |      | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                        | 1988  | 1989  | 1990  |      | 1985                             | 1988  | 1989  | 1990 | 1985                           | 1990 | 1985                                       | 1990 |
| 311/2 Food Products                              |      | 62788                       | 58337 | 62151 | 61486 | 9618 | 10645                            | 10943 | 11605 | 15.3 | 18.9                           | 64.6 | 59.0                                       |      |
| 3111 Slaughtering, preparing & preserving meat   |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3112 Dairy products                              |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3113 Canning, preserving of fruits & vegetables  |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3114 Canning, preserving and processing of fish  |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3115 Vegetable and animal oils and fats          |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3116 Grain mill products                         |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3117 Bakery products                             |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3118 Sugar factories and refineries              |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3121 Other food products                         |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3122 Prepared animal feeds                       |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 313 Beverages                                    |      | 4866                        | 4830  | 5372  | 5770  | 2446 | 2369                             | 2666  | 2754  | 50.3 | 47.7                           | 33.4 | 34.3                                       |      |
| 3131 Distilling, rectifying and blending spirits |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3132 Wine industries                             |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3133 Malt liquors and malt                       |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3134 Soft drinks and carbonated waters           |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 314 Tobacco                                      |      | 4499                        | 4776  | 5068  | 5635  | 2575 | 2810                             | 2979  | 3365  | 57.2 | 69.7                           | 18.3 | 14.0                                       |      |
| 321 Textiles                                     |      | 5001                        | 4985  | 5134  | 5421  | 1538 | 1713                             | 1810  | 1904  | 30.8 | 36.1                           | 71.6 | 66.2                                       |      |
| 3211 Spinning, weaving and finishing textiles    |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3212 Made-up textile goods excl wearing apparel  |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3213 Knitting mills                              |      | 505                         | 463   | 511   | 542   | 190  | 177                              | 199   | 205   | 37.6 | 37.8                           | 76.8 | 68.8                                       |      |
| 3214 Carpets and rugs                            |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3215 Cordage, rope and twine                     |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3219 Other textiles                              |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 322 Wearing apparel, except footwear             | a/   | 1890                        | 1809  | 1900  | 1985  | 568  | 585                              | 592   | 619   | 29.5 | 31.2                           | 83.3 | 74.2                                       |      |
| 323 Leather and fur products                     | a/   |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3231 Tanneries and leather finishing             |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3232 Fur dressing and dyeing industries          |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3233 Leather prods excl wearing apparel          |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 324 Footwear, except rubber or plastic           |      | 422                         | 364   | 366   | 363   | 170  | 156                              | 149   | 155   | 40.3 | 42.7                           | 89.4 | 80.5                                       |      |
| 331 Wood products, except furniture              |      | 2352                        | 2760  | 3015  | 3142  | 777  | 996                              | 1048  | 1075  | 33.0 | 34.2                           | 81.6 | 73.8                                       |      |
| 3311 Sawmills, planing and other wood mills      |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3312 Wooden and cane containers                  |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3319 Other wood and cork products                |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 332 Furniture and fixtures, excl metal           |      | 1523                        | 1989  | 2039  | 2335  | 545  | 724                              | 745   | 836   | 35.8 | 35.8                           | 81.7 | 74.9                                       |      |
| 341 Paper and products                           |      | 7059                        | 7826  | 8543  | 8939  | 2192 | 2679                             | 2768  | 3023  | 31.1 | 33.8                           | 60.1 | 62.2                                       |      |
| 3411 Pulp, paper and paperboard articles         |      | 2974                        | 3424  | 3745  | 3786  | 944  | 1240                             | 1285  | 1396  | 31.7 | 36.8                           | 52.5 | 40.1                                       |      |
| 3412 Containers of paper and paperboard          |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3419 Other pulp, paper and paperboard articles   |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 342 Printing and publishing                      |      | 12423                       | 14398 | 15655 | 16561 | 4801 | 5756                             | 6273  | 6533  | 38.6 | 39.4                           | 73.6 | 68.0                                       |      |
| 351 Industrial chemicals                         |      | 36401                       | 33716 | 35649 | 34329 | 8089 | 12565                            | 11915 | 10216 | 22.2 | 29.8                           | 50.0 | 47.4                                       |      |
| 3511 Basic chemicals excl fertilizers            |      | 31955                       | 30938 | 32560 | 31384 | 7158 | 11738                            | 11017 | 9381  | 22.4 | 29.9                           | 49.6 | 46.8                                       |      |
| 3512 Fertilizers and pesticides                  |      | 4446                        | 2777  | 3089  | 2945  | 931  | 827                              | 898   | 835   | 20.9 | 28.4                           | 53.3 | 53.7                                       |      |
| 3513 Synthetic resins and plastic materials      |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 352 Other chemicals                              |      | 8844                        | 10586 | 11283 | 11819 | 2396 | 3527                             | 3278  | 3466  | 33.9 | 29.3                           | 62.1 | 65.6                                       |      |
| 3521 Paints, varnishes and lacquers              |      | 1780                        | 2067  | 2205  | 2317  | 568  | 713                              | 736   | 759   | 31.9 | 32.8                           | 89.2 | 86.2                                       |      |
| 3522 Drugs and medicines                         |      | 3327                        | 3903  | 4196  | 4331  | 1438 | 1388                             | 1171  | 1253  | 43.2 | 28.9                           | 56.3 | 74.6                                       |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 1430                        | 1713  | 1712  | 1885  | 410  | 491                              | 453   | 518   | 28.7 | 27.4                           | 64.6 | 63.6                                       |      |
| 3529 Other chemical products                     |      | 2307                        | 2903  | 3170  | 3286  | 560  | 935                              | 918   | 938   | 25.1 | 28.5                           | 67.8 | 56.2                                       |      |
| 353 Non-metallic mineral products                |      |                             |       |       |       |      |                                  |       |       |      |                                |      |  |      |
| 3531 Non-metallic mineral products               |      | 22414                       | 17522 | 22282 | 20558 | 1329 | 1468                             | 1685  | 1925  | 6.3  | 9.3                            | 42.4 | 31.1                                       |      |

|   |    |        |        |        |        |    |        |        |        |        |      |      |      |      |
|---|----|--------|--------|--------|--------|----|--------|--------|--------|--------|------|------|------|------|
| 354 Misc petroleum and coal products            |    | 992    | 771    | 817    | 846    |    | 182    | 232    | 244    | 244    | 18 3 | 28 8 | 66 6 | 56 1 |
| 355 Rubber products                             |    | 1162   | 1170   | 1212   | 1268   |    | 460    | 487    | 520    | 539    | 39 6 | 42 6 | 73 9 | 66 0 |
| 3551 Tyres and tubes                            |    |        |        |        |        |    |        |        |        |        |      |      |      |      |
| 3559 Other rubber products                      |    |        |        |        |        |    |        |        |        |        |      |      |      |      |
| 356 Plastic products                            |    | 464    | 6236   | 7047   | 7618   |    | 1546   | 2013   | 2271   | 2530   | 33 1 | 33 2 | 65 7 | 61 7 |
| 361 Pottery, china, earthenware                 |    | 48     | 515    | b/     | b/     |    | 256    | 289    | b/     | b/     | 62 6 |      | 81 3 |      |
| 362 Glass and products                          |    | 5227c/ | 6697c/ | 1455   | 1539   |    | 202bc/ | 2827c/ | 649    | 674    | 38 7 | 43 8 | 66 6 | 59 9 |
| 369 Other non-metallic mineral products         |    | c/     | c/     | 6207b/ | 6514b/ |    | c/     | c/     | 2589b/ | 2674b/ | 41 1 |      | 57 2 |      |
| 3691 Structural clay products                   |    |        |        |        |        |    |        |        |        |        |      |      |      |      |
| 3692 Cement, lime and plaster                   |    |        |        |        |        |    |        |        |        |        |      |      |      |      |
| 3699 Other non-metallic mineral products        |    |        |        |        |        |    |        |        |        |        |      |      |      |      |
| 371 Iron and steel                              | d/ | 11300  | 10389  | 11878  | 10558  | d/ | 3743   | 4059   | 4501   | 3867   | 33 1 | 36 6 | 60 4 | 62 8 |
| 372 Non-ferrous metals                          | d/ |        |        |        |        | d/ |        |        |        |        |      |      |      |      |
| 381 Fabricated metal products                   |    | 11695  | 13518  | 15158  | 16886  |    | 4294   | 5186   | 5637   | 6146   | 36 7 | 36 4 | 76 4 | 65 6 |
| 3811 Cutlery, hand tools and general hardware   |    |        |        |        |        |    |        |        |        |        |      |      |      |      |
| 3812 Furniture and fixtures primarily of metal  |    |        |        |        |        |    |        |        |        |        |      |      |      |      |
| 3813 Structural metal products                  |    | 4824   | 5742   | 6583   | 7479   |    | 1691   | 1940   | 2157   | 2325   | 33 0 | 31 1 | 61 8 | 75 4 |
| 3819 Other fabricated metal products            |    |        |        |        |        |    |        |        |        |        |      |      |      |      |
| 382 Non-electrical machinery                    |    | 15147  | 15661  | 17214  | 18706  |    | 5408   | 6069   | 6559   | 7006   | 35 7 | 37 5 | 77 7 | 73 8 |
| 3821 Engines and turbines                       |    | 1512   | 1367   | 1322   | 1512   |    | 539    | 458    | 473    | 545    | 35 6 | 36 0 | 82 4 | 80 4 |
| 3822 Agricultural machinery and equipment       |    | 1029   | 1085   | 1300   | 1445   |    | 381    | 383    | 387    | 472    | 36 1 | 32 7 | 69 8 | 77 0 |
| 3823 Metal and wood working machinery           | e/ | 4456   | 6925   | 7609   | 8307   | e/ | 1838   | 2712   | 3085   | 3293   | 41 2 | 39 6 | 76 8 | 73 4 |
| 3824 Other special industrial machinery         | e/ |        |        |        |        | e/ |        |        |        |        |      |      |      |      |
| 3825 Office, computing and accounting machinery |    | 2711   | 6302f/ | 6982f/ | 7426f/ |    | 521    | 2512f/ | 2619f/ | 2697f/ | 19 2 | 36 3 | 82 6 | 73 3 |
| 3829 Other non-electrical machinery & equipment |    | 5440   | f/     | f/     | f/     |    | 2149   | f/     | f/     | f/     | 39 5 |      | 77 5 |      |
| 383 Electrical machinery                        |    | 25991  | 27459  | 28847  | 30619  |    | 8821   | 9639   | 9620   | 9845   | 33 9 | 32 2 | 76 9 | 73 9 |
| 3831 Electrical industrial machinery            |    | 1457   | 1355   | 1557   | 1671   |    | 632    | 607    | 672    | 715    | 43 4 | 42 8 | 71 0 | 68 4 |
| 3832 Radio, television and communication equipm | g/ | 24534  | 26114  | 27290  | 28948  | g/ | 8189   | 9032   | 8948   | 9130   | 33 4 | 31 6 | 76 2 | 74 3 |
| 3833 Electrical appliances and housewares       | g/ |        |        |        |        | g/ |        |        |        |        |      |      |      |      |
| 3839 Other electrical apparatus and supplies    | g/ |        |        |        |        | g/ |        |        |        |        |      |      |      |      |
| 384 Transport equipment                         |    | 12382  | 14292  | 16878  | 18412  |    | 3372   | 3708   | 4503   | 4681   | 27 2 | 26 4 | 96 8 | 77 8 |
| 3841 Shipbuilding and repairing                 |    | 4663   | 3133   | 3644   | 4300   |    | 1543   | 1005   | 1092   | 1185   | 33 1 | 27 6 | 88 8 | 84 6 |
| 3842 Railroad equipment                         |    |        |        |        |        |    |        |        |        |        |      |      |      |      |
| 3843 Motor vehicles                             | h/ | 7084   | 10412  | 12366  | 13021  | h/ | 1632   | 2459   | 3121   | 3149   | 23 0 | 24 2 | 76 6 |      |
| 3844 Motorcycles and bicycles                   |    | 386    | 414    | 453    | 585    |    | 109    | 120    | 138    | 167    | 28 2 | 28 5 | 92 7 | 62 3 |
| 3845 Aircraft                                   | h/ |        |        |        |        | h/ |        |        |        |        |      |      |      |      |
| 3849 Other transport equipment                  |    | 249    | 333    | 415    | 506    |    | 88     | 124    | 152    | 180    | 36 3 | 36 6 | 71 6 | 67 2 |
| 385 Professional and scientific equipment       |    | 928    | 1001   | 1125   | 1253   |    | 486    | 515    | 568    | 636    | 52 4 | 50 8 | 76 3 | 70 6 |
| 3851 Prof and scientific equipment n e c        |    | 700    | 668    | 764    | 839    |    | 377    | 351    | 377    | 440    | 53 9 | 48 9 | 75 9 | 74 5 |
| 3852 Photographic and optical goods             | v/ | 228    | 335    | 362    | 362    | v/ | 109    | 164    | 191    | 196    | 47 8 | 56 7 | 77 1 | 62 2 |
| 3853 Watches and clocks                         | v/ |        |        |        |        | v/ |        |        |        |        |      |      |      |      |
| 390 Other manufacturing industries              |    | 450    | 503    | 599    | 683    |    | 164    | 246    | 232    | 246    | 36 4 | 36 0 | 76 8 | 63 4 |
| 3901 Jewellery and related articles             |    | 96     | 71     | 100    | 70     |    | 42     | 35     | 46     | 35     | 43 8 | 44 3 | 81 0 | 85 7 |
| 3902 Musical instruments                        |    |        |        |        |        |    |        |        |        |        |      |      |      |      |
| 3903 Sporting and athletic goods                |    |        |        |        |        |    |        |        |        |        |      |      |      |      |
| 3909 Manufacturing industries, n e c            |    |        |        |        |        |    |        |        |        |        |      |      |      |      |
| 3 Total manufacturing                           |    | 265908 | 262170 | 287394 | 293345 |    | 68791  | 81263  | 84744  | 85653  | 26 9 | 29 5 | 66 4 | 60 7 |

a/ 322 includes 323  
c/ 362 includes 369  
e- 3823 includes 3824  
g/ 3832 includes 3833 and 3839  
v/ 3852 includes 3853

b/ 369 includes 361  
d/ 371 includes 372  
f/ 3825 includes 3829  
h/ 3843 includes 3846

Netherlands

| ISIC Industry                             | Note | Gross fixed capital formation |       |       |       | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |
|---|------|-------------------------------|-------|-------|-------|------|--|------|------|------|------|------|------|------|------|
|   |      | (million GUILDERS)            |       |       |       |      | (1980=100)                             |      |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990  | 1991  | 1992  |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      | 1954                          | 2108  | 2208  | 2360  |      | 108                                    | 104  | 110  | 110  | 113  | 118  | 122  | 122  | 126  |
| 313 Beverages                             |      | 279                           | 470   | 506   | 559   |      | 101                                    | 103  | 112  | 110  | 104  | 111  | 118  | 128  | 132  |
| 314 Tobacco                               |      | 103                           | 129   | 217   | 311   |      | 122                                    | 133  | 148  | 160  | 138  | 162  | 180  | 194  | 184  |
| 321 Textiles                              |      | 227                           | 290   | 288   | 309   |      | 98                                     | 100  | 94   | 92   | 94   | 97   | 99   | 98   | 90   |
| 322 Wearing apparel, except footwear      |      | 38                            | 65a/  | 47a/  | 43a/  |      | 83                                     | 82   | 80   | 71   | 84   | 91   | 96   | 99   | 91   |
| 323 Leather and fur products              |      | 18                            | a/    | a/    | a/    |      | 134                                    | 144  | 124  | 121  | 124  | 121  | 124  | 121  | 120  |
| 324 Footwear, except rubber or plastic    |      | 18                            | 21    | 25    | 15    | b/   | 71                                     | 76   | 74   | 71   | 64   | 61   | 60   | 49   | 41   |
| 331 Wood products, except furniture       |      | 91                            | 154   | 179   | 144   | c/   | 76                                     | 76   | 78   | 81   | 88   | 90   | 90   | 97   | 97   |
| 332 Furniture and fixtures, excl. metal   |      | 54                            | 165   | 148   | 107   | c/   |  |      |      |      |      |      |      |      |      |
| 341 Paper and products                    |      | 465                           | 632   | 916   | 581   |      | 117                                    | 121  | 125  | 127  | 137  | 144  | 150  | 162  | 154  |
| 342 Printing and publishing               |      | 712                           | 1218  | 1080  | 1124  | d/   | 94                                     | 96   | 98   | 101  | 107  | 110  | 116  | 117  | 116  |
| 351 Industrial chemicals                  |      | 1804                          | 3049  | 2565  | 2383  | e/   | 131                                    | 142  | 145  | 152  | 162  | 169  | 166  | 168  | 169  |
| 352 Other chemicals                       |      | 711                           | 723   | 1196  | 962   | e/   |  |      |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  | f/   | 2109                          | 867   | 463   | 551   | f/   | 92                                     | 82   | 106  | 107  | 117  | 112  | 108  | 103  | 106  |
| 354 Misc. petroleum and coal products     | f/   |                               |       |       |       |      | 103                                    | 108  | 117  | 108  | 119  | 112  | 108  | 104  | 103  |
| 355 Rubber products                       |      | 82                            | 80    | 57    | 61    | b/   | 134                                    | 143  | 153  | 159  | 174  | 182  | 203  | 207  | 203  |
| 356 Plastic products                      |      | 400                           | 609   | 639   | 602   | e/   |  |      |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      | 86                            | 154   | 112   | 77    | g/   | 93                                     | 96   | 101  | 99   | 107  | 109  | 109  | 110  | 109  |
| 362 Glass and products                    |      | 99                            | 173   | 89    | 134   | g/   |  |      |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      | 223                           | 518   | 431   | 335   | g/   |  |      |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      | 879                           | 830h/ | 744h/ | 554h/ | h/   | 108                                    | 110  | 108  | 112  | 123  | 130  | 127  | 128  | 129  |
| 372 Non-ferrous metals                    |      | 124                           | h/    | h/    | h/    | h/   |  |      |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      | 582                           | 994   | 899   | 884   |      | 93                                     | 101  | 101  | 102  | 107  | 113  | 117  | 120  | 116  |
| 382 Non-electrical machinery              |      | 696                           | 941   | 872   | 828   |      | 104                                    | 110  | 111  | 111  | 112  | 119  | 122  | 121  | 118  |
| 383 Electrical machinery                  |      | 1671                          | 1745  | 1179  | 1432  |      | 116                                    | 120  | 122  | 116  | 113  | 115  | 121  | 121  | 121  |
| 384 Transport equipment                   |      | 626                           | 638   | 669   | 612   |      | 102                                    | 100  | 97   | 96   | 96   | 111  | 115  | 114  | 116  |
| 385 Professional and scientific equipment |      | 57                            | 71    | 73    | 69    |      |  |      |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      | 20                            | 40    | 41    | 45    |      |  |      |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      | 14127                         | 16684 | 15644 | 15070 |      | 106                                    | 110  | 112  | 113  | 117  | 122  | 125  | 126  | 126  |

a/ 322 includes 323  
c/ 331 includes 332  
e/ 351 includes 352 and 356  
g/ 361 includes 362 and 369

b/ 324 includes vulcanized or moulded rubber and plastic footwear  
d/ Printing only  
f/ 353 includes 354  
h/ 371 includes 372

## NEW ZEALAND

**Supplier of information:**

Department of Statistics, Wellington.

Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

**Basic source of data:**

Annual enterprise survey and the economy wide census which is carried out every five years.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):**

Fiscal year beginning 1 April of the year indicated.

**Scope:**

All establishments.

For number of employees, the reference unit is the establishment, for all other variables, it is the accounting unit.

**Method of enumeration:**

Sampling methods are used for some variables.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of employees is the number of full-time equivalent employees at the end of February of the following year.

Wages and salaries covers all amounts paid to employees, including accident compensation payments.

Output includes a) sales of goods and services produced, including goods shipped in the same condition as received (resales), b) direct government grants and subsidies, excluding those of a capital nature and tax credits/rebates, c) Interest, dividends, royalties, patent fees and insurance claims received, and d) other income, except proceeds from sales of capital assets, exchange gains and extraordinary items.

Value added is the value of output and subsidies received, less the cost of labour and materials used and capital assets used up in producing that output.

Gross fixed capital formation refers to net-paid capital formation.

**Related national publications:**

Census Bulletins (e.g. Manufacturing Series A, B, and C) and Final Report; Annual Enterprise Survey Reports; Annual New Zealand Business Pattern Reports; Economy Wide Census Reports; Monthly Abstract of Statistics, all published by the Department of Statistics, Wellington.

## New Zealand

| ISIC Industry                                    | Note | Number of establishments<br>(numbers) |      |      |      | Note | Number of employees<br>(numbers) |       |       |       | Note | Wages and salaries paid<br>to employees<br>(million DOLLARS) |         |         |      |
|--|------|---------------------------------------|------|------|------|------|----------------------------------|-------|-------|-------|------|--|---------|---------|------|
|  |      | 1985                                  | 1989 | 1990 | 1991 |      | 1985                             | 1989  | 1990  | 1991  |      | 1985   | 1989    | 1990    | 1991 |
| 311/2 Food Products                              |      | 1856                                  | 1896 | 1931 | 2018 |      | 67124                            | 59637 | 57189 | 57177 |      | 1335 8   | 1521 1  | 1709 0  |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 303                                   | 330  | 338  | 339  |      | 36439                            | 28855 | 26539 | 25625 |      |  | 734 5   |         |      |
| 3112 Dairy products                              |      | 168                                   | 144  | 147  | 144  |      | 7996                             | 7932  | 7579  | 7541  |      |  | 233 4   |         |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 98                                    | 85   | 88   | 95   |      | 3651                             | 3862  | 3885  | 3476  |      |  |         |         |      |
| 3114 Canning, preserving and processing of fish  |      | 146                                   | 143  | 156  | 171  |      | 3355                             | 3760  | 3929  | 4343  |      |  |         |         |      |
| 3115 Vegetable and animal oils and fats          |      | 44                                    | 42   | 38   | 32   |      | 471                              | 350   | 347   | 340   |      |  |         |         |      |
| 3116 Grain mill products                         |      | 34                                    | 28   | 27   | 27   |      | 1063                             | 832   | 911   | 932   |      |  |         |         |      |
| 3117 Bakery products                             |      | 756                                   | 802  | 799  | 846  |      | 7718                             | 7990  | 8072  | 7950  |      |  |         |         |      |
| 3118 Sugar factories and refineries              |      | 3                                     | 3    | 3    | 3    |      | 305                              | 251   | 243   | 233   |      |  |         |         |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 65                                    | 65   | 61   | 68   |      | 2223                             | 1586  | 1549  | 1486  |      |  |         |         |      |
| 3121 Other food products                         |      | 147                                   | 164  | 182  | 206  |      | 2991                             | 3334  | 3305  | 3434  |      |  |         |         |      |
| 3122 Prepared animal feeds                       |      | 92                                    | 90   | 92   | 87   |      | 912                              | 865   | 830   | 818   |      |  |         |         |      |
| 313 Beverages                                    |      | 156                                   | 143  | 155  | 156  |      | 3675                             | 3039  | 3122  | 2689  |      | 88 5a/   | 127 8a/ | 141 4a/ |      |
| 3131 Distilling, rectifying and blending spirits |      | 16                                    | 11   | 10   | 9    |      | 148                              | 132   | 105   | 99    |      |  |         |         |      |
| 3132 Wine industries                             |      | 87                                    | 85   | 9f   | 91   |      | 738                              | 768   | 898   | 734   |      |  |         |         |      |
| 3133 Malt liquors and malt                       |      | 25                                    | 23   | 26   | 30   |      | 2130                             | 1669  | 1743  | 1465  |      |  |         |         |      |
| 3134 Soft drinks and carbonated waters           |      | 28                                    | 24   | 24   | 25   |      | 659                              | 470   | 376   | 393   |      |  |         |         |      |
| 314 Tobacco                                      |      | 11                                    | 9    | 6    | 9    |      | 816                              | 657   | 622   | 562   |      | a/   | a/      | a/      |      |
| 321 Textiles                                     |      | 812                                   | 817  | 805  | 824  |      | 13178                            | 11580 | 9651  | 9168  |      | 246 9  | 246 1   | 240 7   |      |
| 3211 Spinning, weaving and finishing textiles    |      | 158                                   | 152  | 139  | 136  |      | 4383                             | 3365  | 2848  | 2809  |      |  |         |         |      |
| 3212 Made-up textile goods excl wearing apparel  |      | 379                                   | 388  | 381  | 387  |      | 2427                             | 2404  | 2074  | 2080  |      |  |         |         |      |
| 3213 Knitting mills                              |      | 166                                   | 149  | 146  | 144  |      | 3901                             | 3552  | 2804  | 2505  |      |  |         |         |      |
| 3214 Carpets and rugs                            |      | 45                                    | 40   | 44   | 46   |      | 2008                             | 1642  | 1372  | 1155  |      |  |         |         |      |
| 3215 Cordage, rope and twine                     |      | 26                                    | 21   | 19   | 23   |      | 271                              | 370   | 304   | 344   |      |  |         |         |      |
| 3219 Other textiles                              |      | 38                                    | 67   | 76   | 88   |      | 188                              | 247   | 249   | 275   |      |  |         |         |      |
| 322 Wearing apparel, except footwear             |      | 1242                                  | 1157 | 1169 | 1201 |      | 18121                            | 13900 | 12650 | 11530 |      | 350 2b/  | 349 4b/ | 329 9b/ |      |
| 323 Leather and fur products                     |      | 256                                   | 213  | 218  | 210  |      | 3369                             | 2477  | 2432  | 2651  |      | b/   | b/      | b/      |      |
| 3231 Tanneries and leather finishing             |      | 41                                    | 40   | 40   | 43   |      | 1513                             | 1252  | 1161  | 1397  |      |  |         |         |      |
| 3232 Fur dressing and dyeing industries          |      | 69                                    | 46   | 49   | 40   |      | 938                              | 667   | 802   | 830   |      |  |         |         |      |
| 3233 Leather prods excl wearing apparel          |      | 146                                   | 127  | 129  | 127  |      | 918                              | 558   | 479   | 424   |      |  |         |         |      |
| 324 Footwear, except rubber or plastic           |      | 129                                   | 109  | 104  | 85   |      | 3576                             | 2296  | 2063  | 1614  |      | b/   | b/      | b/      |      |
| 331 Wood products, except furniture              |      | 1691                                  | 1659 | 1732 | 1725 |      | 16005                            | 13069 | 12693 | 12424 |      | 415 2c/  | 450 4c/ | 469 6c/ |      |
| 3311 Sawmills, planing and other wood mills      |      | 1375                                  | 1364 | 1452 | 1453 |      | 14621                            | 11894 | 11630 | 11479 |      |  |         |         |      |
| 3312 Wooden and cane containers                  |      | 95                                    | 79   | 69   | 66   |      | 653                              | 582   | 561   | 446   |      |  |         |         |      |
| 3319 Other wood and cork products                |      | 221                                   | 216  | 211  | 206  |      | 731                              | 593   | 502   | 499   |      |  |         |         |      |
| 332 Furniture and fixtures, excl metal           |      | 1334                                  | 1321 | 1361 | 1397 |      | 7025                             | 6090  | 5436  | 5155  |      | c/   | c/      | c/      |      |
| 341 Paper and products                           |      | 189                                   | 172  | 173  | 170  |      | 10496                            | 8558  | 9722  | 8998  |      | 305 4  | 348 7   | 407 2   |      |
| 3411 Pulp, paper and paperboard articles         |      | 31                                    | 30   | 31   | 28   |      | 5799                             | 4424  | 5048  | 4513  |      |  | 220 7   | 268 9   |      |
| 3412 Containers of paper and paperboard          |      | 86                                    | 72   | 77   | 76   |      | 3242                             | 2612  | 3112  | 3056  |      |  | 91 9    |         |      |
| 3419 Other pulp, paper and paperboard articles   |      | 72                                    | 70   | 65   | 66   |      | 1455                             | 1522  | 1662  | 1429  |      |  | 36 1    |         |      |
| 342 Printing and publishing                      |      | 1225                                  | 1334 | 1397 | 1424 |      | 17425                            | 16630 | 16748 | 15901 |      | 385 7  | 526 1   | 562 1   |      |
| 351 Industrial chemicals                         |      | 231                                   | 211  | 200  | 203  |      | 4955                             | 4100  | 4167  | 4140  |      | 112 3  | 155 8   | 169 1   |      |
| 3511 Basic chemicals excl fertilizers            |      | 68                                    | 47   | 50   | 55   |      | 781                              | 470   | 735   | 934   |      |  | 32 6    | 34 5    |      |
| 3512 Fertilizers and pesticides                  |      | 62                                    | 70   | 58   | 60   |      | 1408                             | 1193  | 1133  | 1144  |      |  | 42 9    | 44 5    |      |
| 3513 Synthetic resins and plastic materials      |      | 101                                   | 94   | 97   | 88   |      | 2766                             | 2437  | 2299  | 2062  |      |  | 80 3    | 80 1    |      |
| 352 Other chemicals                              |      | 415                                   | 338  | 338  | 381  |      | 7291                             | 6004  | 5726  | 5697  |      | 144 8  | 177 3   | 190 6   |      |
| 3521 Paints, varnishes and lacquers              |      | 82                                    | 64   | 72   | 104  |      | 1439                             | 913   | 1012  | 1132  |      |  |         |         |      |
| 3522 Drugs and medicines                         |      | 64                                    | 53   | 56   | 66   |      | 1554                             | 1394  | 1371  | 1337  |      |  |         |         |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 140                                   | 115  | 110  | 107  |      | 2859                             | 2390  | 2254  | 2162  |      |  |         |         |      |
| 3529 Other chemical products                     |      | 129                                   | 106  | 100  | 104  |      | 1439                             | 1307  | 1089  | 1066  |      |  |         |         |      |
| 353 Petroleum refineries                         |      | 17                                    | 16   | 13   | 11   |      | 1072                             | 838   | 808   | 826   |      | 42 3   | 39 0    | 41 7    |      |



|   |       |       |       |       |         |        |        |        |         |         |         |
|---|-------|-------|-------|-------|---------|--------|--------|--------|---------|---------|---------|
| 354 Misc petroleum and coal products            | 43    | 34    | 36    | 37    | 563     | 331    | 314    | 304    | 8 0     | 8 7     | 6 3     |
| 355 Rubber products                             | 139   | 123   | 122   | 128   | 3333    | 2182   | 1962   | 1712   | 82 9    | 71 9    | 69 9    |
| 3551 Tyres and tubes                            | 56    | 42    | 47    | 45    | 1788    | 1181   | 1156   | 1023   |         | 43 6    |         |
| 3559 Other rubber products                      | 83    | 81    | 75    | 83    | 1565    | 1001   | 806    | 689    |         | 28 4    |         |
| 356 Plastic products                            | 454   | 448   | 456   | 474   | 7263    | 7536   | 6928   | 6806   | 147 6   | 194 0   | 189 1   |
| 361 Pottery, china, earthenware                 | 248   | 202   | 199   | 208   | 767     | 302    | 331    | 336    | 166 8d/ | 191 2d/ | 210 9d/ |
| 362 Glass and products                          | 205   | 177   | 172   | 178   | 2267    | 1180   | 1314   | 1122   | d/      | d/      | d/      |
| 369 Other non-metallic mineral products         | 536   | 485   | 480   | 463   | 5696    | 4680   | 3909   | 3636   | d/      | d/      | d/      |
| 3691 Structural clay products                   | 25    | 23    | 25    | 20    | 239     | 198    | 186    | 160    |         |         |         |
| 3692 Cement, lime and plaster                   | 23    | 17    | 15    | 13    | 766     | 446    | 465    | 430    |         |         |         |
| 3699 Other non-metallic mineral products        | 488   | 445   | 440   | 430   | 4691    | 4036   | 3268   | 3046   |         |         |         |
| 371 Iron and steel                              | 85    | 86    | 83    | 74    | 3461    | 3774   | 3386   | 2962   | 180 6a/ | 256 7e/ | 262 2a/ |
| 372 Non-ferrous metals                          | 102   | 104   | 104   | 120   | 2995    | 3229   | 3214   | 2988   | e/      | e/      | e/      |
| 381 Fabricated metal products                   | 2787  | 2565  | 2580  | 2627  | 24312   | 19330  | 18010  | 16320  | 476 1   | 606 6   | 499 1   |
| 3811 Cutlery, hand tools and general hardware   | 642   | 543   | 528   | 522   | 7623    |        |        |        |         |         |         |
| 3812 Furniture and fixtures primarily of metal  | 127   | 117   | 126   | 130   | 1337    | 1465   | 1414   | 1233   |         |         |         |
| 3813 Structural metal products                  | 1247  | 1164  | 1143  | 1136  | 11096   | 10066  | 9263   | 8040   |         |         |         |
| 3819 Other fabricated metal products            | 771   | 741   | 783   | 839   | 4257    | 3561   | 3444   | 3434   |         |         |         |
| 382 Non-electrical machinery                    | 2718  | 2906  | 2932  | 3006  | 15924   | 13920  | 12861  | 12220  | 318 1   | 333 2   | 364 6   |
| 3821 Engines and turbines                       | 279   | 291   | 288   | 289   | 1316    | 1176   | 1012   | 963    |         |         |         |
| 3822 Agricultural machinery and equipment       | 412   | 371   | 368   | 359   | 1898    | 1661   | 1676   | 1401   |         |         |         |
| 3823 Metal and wood working machinery           | 279   | 250   | 243   | 236   | 1616    | 1149   | 1193   | 1166   |         |         |         |
| 3824 Other special industrial machinery         | 1620  | 1848  | 1871  | 1933  | 10423f/ |        | 8406f/ |        |         |         |         |
| 3825 Office, computing and accounting machinery | 128   | 146   | 162   | 188   | 672     | 619    | 696    | 666    |         |         |         |
| 3829 Other non-electrical machinery & equipment |       |       |       |       |         |        |        |        |         |         |         |
| 383 Electrical machinery                        | 731   | 674   | 679   | 680   | 12646   | 10477  | 9707   | 8916   | 266 7   | 265 7   | 279 7   |
| 3831 Electrical industrial machinery            | 274   | 276   | 297   | 299   | 2643    | 2640   | 2366   | 2279   |         |         |         |
| 3832 Radio, television and communication equipm | 251   | 210   | 204   | 206   | 3291    | 2439   | 1918   | 1642   |         |         |         |
| 3833 Electrical appliances and housewares       | 63    | 52    | 50    | 48    | 3913    | 3107   | 3068   | 2967   |         |         |         |
| 3839 Other electrical apparatus and supplies    | 143   | 136   | 128   | 128   | 2799    | 2321   | 2366   | 2037   |         |         |         |
| 384 Transport equipment                         | 1068  | 1103  | 1074  | 1053  | 20242   | 16679  | 13677  | 12079  | 367 9   | 369 1   | 373 9   |
| 3841 Shipbuilding and repairing                 | 525   | 581   | 572   | 558   | 2936    | 3123   | 2693   | 2623   |         |         |         |
| 3842 Railroad equipment                         | 82    | 82    | 65    | 64    | 6119    | 3196   | 2667   | 2260   |         |         |         |
| 3843 Motor vehicles                             | 341   | 312   | 310   | 317   | 8510    | 6660   | 6630   | 4387   |         |         |         |
| 3844 Motorcycles and bicycles                   | 15    | 12    | 11    | 8     | 184     | 80     | 43     | 36     |         |         |         |
| 3845 Aircraft                                   | 74    | 88    | 92    | 94    | 2223    | 2662   | 2566   | 2470   |         |         |         |
| 3849 Other transport equipment                  | 31    | 28    | 24    | 22    | 271     | 269    | 288    | 303    |         |         |         |
| 385 Professional and scientific equipment       | 107   | 103   | 102   | 91    | 1209    | 1197   | 912    | 916    | 21 6    | 24 6    | 20 6    |
| 3851 Prof and scientific equipment n e c        | 76    | 71    | 70    | 66    | 713     | 870    | 634    | 663    |         |         |         |
| 3852 Photographic and optical goods             | 31    | 32    | 32    | 26    | 496     | 327    | 278    | 222    |         |         |         |
| 3853 Watches and clocks                         | -     | -     | -     | -     | -       | -      | -      | -      |         |         |         |
| 390 Other manufacturing industries              | 869   | 840   | 906   | 986   | 3694    | 3279   | 2994   | 2946   | 64 0    | 71 8    | 70 7    |
| 3901 Jewellery and related articles             | 252   | 249   | 258   | 260   | 933     | 620    | 669    | 664    |         |         |         |
| 3902 Musical instruments                        | 14    | 14    | 14    | 13    | 24      | 16     | 19     | 18     |         |         |         |
| 3903 Sporting and athletic goods                | 139   | 122   | 124   | 130   | 419     | 296    | 271    | 280    |         |         |         |
| 3909 Manufacturing industries, n e c            | 464   | 455   | 510   | 583   | 2318    | 2349   | 2016   | 1983   |         |         |         |
| 3 Total manufacturing                           | 19656 | 19246 | 19627 | 19938 | 278500  | 236200 | 222468 | 211780 | 6616 2  | 6234 2  | 6688 3  |

a/ 313 includes 314  
c/ 331 includes 332  
e/ 371 includes 372

b/ 322 includes 323 and 324  
d/ 361 includes 362 and 369  
f/ 3824 includes 3829

## New Zealand

| ISIC Industry                                    | Note | Output<br>(million DOLLARS) |          |          |      | Note    | Value added in producers' prices<br>(million DOLLARS) |          |      |      | Share of<br>value added<br>in Output<br>(percentage) |      | Share of<br>wages and<br>salaries in<br>value added<br>(percentage) |      |
|--|------|-----------------------------|----------|----------|------|---------|---|----------|------|------|--|------|---|------|
|  |      | 1985                        | 1989     | 1990     | 1991 |         | 1985  | 1989     | 1990 | 1991 | 1985   | 1991 | 1985  | 1991 |
| 311/2 Food Products                              |      | 8006 0                      | 11284 2  | 12590 0  |      | 2170 1  | 2641 2  | 2808 0   |      | 27 1 |  | 61 6 |   |      |
| 3111 Slaughtering, preparing & preserving meat   |      |                             | 3833 8   |          |      |         | 1023 6  |          |      |      |  |      |   |      |
| 3112 Dairy products                              |      |                             | 3568 7   |          |      |         | 548 6   |          |      |      |  |      |   |      |
| 3113 Canning, preserving of fruits & vegetables  |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3114 Canning, preserving and processing of fish  |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3115 Vegetable and animal oils and fats          |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3116 Grain mill products                         |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3117 Bakery products                             |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3118 Sugar factories and refineries              |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3121 Other food products                         |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3122 Prepared animal feeds                       |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 313 Beverages                                    |      | 925 0a/                     | 1267 0a/ | 1375 0a/ |      | 225 7a/ | 402 0a/   | 1129 0a/ |      | 24 4 |  | 39 2 |   |      |
| 3131 Distilling, rectifying and blending spirits |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3132 Wine industries                             |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3133 Malt liquors and malt                       |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3134 Soft drinks and carbonated waters           |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 314 Tobacco                                      |      | a/                          | a/       | a/       |      | a/      | a/  | a/       |      |      |  |      |   |      |
| 321 Textiles                                     |      | 1409 0                      | 1467 7   | 1228 0   |      | 387 5   | 400 5   | 389 0    |      | 27 5 |  | 63 7 |   |      |
| 3211 Spinning, weaving and finishing textiles    |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3212 Made-up textile goods excl wearing apparel  |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3213 Knitting mills                              |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3214 Carpets and rugs                            |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3215 Cordage, rope and twine                     |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3219 Other textiles                              |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 322 Wearing apparel, except footwear             |      | 1384 0b/                    | 1464 0b/ | 1493 0b/ |      | 523 9b/ | 532 0b/   | 498 0b/  |      | 37 9 |  | 66 8 |   |      |
| 323 Leather and fur products                     |      | b/                          | b/       | b/       |      | b/      | b/  | b/       |      |      |  |      |   |      |
| 3231 Tanneries and leather finishing             |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3232 Fur dressing and dyeing industries          |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3233 Leather prods excl wearing apparel          |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 324 Footwear, except rubber or plastic           |      | b/                          | b/       | b/       |      | b/      | b/  | b/       |      |      |  |      |   |      |
| 331 Wood products, except furniture              |      | 2096 0c/                    | 2312 0c/ | 2341 0c/ |      | 707 5c/ | 760 0c/   | 752 0c/  |      | 33 8 |  | 68 7 |   |      |
| 3311 Sawmills, planing and other wood mills      |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3312 Wooden and cane containers                  |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3319 Other wood and cork products                |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 332 Furniture and fixtures, excl metal           |      | c/                          | c/       | c/       |      | c/      | c/  | c/       |      |      |  |      |   |      |
| 341 Paper and products                           |      | 1836 0                      | 2514 3   | 2734 0   |      | 554 0   | 805 7   | 926 0    |      | 30 2 |  | 65 1 |   |      |
| 3411 Pulp, paper and paperboard articles         |      |                             | 1589 3   | 1765 0   |      |         | 548 3   | 623 0    |      |      |  |      |   |      |
| 3412 Containers of paper and paperboard          |      |                             | 580 7    |          |      |         | 184 3   |          |      |      |  |      |   |      |
| 3419 Other pulp, paper and paperboard articles   |      |                             | 344 3    |          |      |         | 73 1  |          |      |      |  |      |   |      |
| 342 Printing and publishing                      |      | 1482 0                      | 1991 3   | 1996 0   |      | 653 9   | 899 8   | 900 0    |      | 44 1 |  | 59 0 |   |      |
| 351 Industrial chemicals                         |      | 1117 0                      | 1330 7   | 1322 0   |      | 269 3   | 375 5   | 417 0    |      | 24 1 |  | 41 7 |   |      |
| 3511 Basic chemicals excl fertilizers            |      |                             | 258 7    | 312 0    |      |         | 82 8  | 130 0    |      |      |  |      |   |      |
| 3512 Fertilizers and pesticides                  |      |                             | 533 3    | 508 0    |      |         | 125 8   | 125 0    |      |      |  |      |   |      |
| 3513 Synthetic resins and plastic materials      |      |                             | 538 7    | 502 0    |      |         | 166 9   | 162 0    |      |      |  |      |   |      |
| 352 Other chemicals                              |      | 1169 0                      | 1254 0   | 1331 0   |      | 285 4   | 316 1   | 354 0    |      | 24 4 |  | 50 7 |   |      |
| 3521 Paints, varnishes and lacquers              |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3522 Drugs and medicines                         |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 3529 Other chemical products                     |      |                             |          |          |      |         |   |          |      |      |  |      |   |      |
| 353 Petroleum refineries                         |      | 220 0                       | 670 5    | 717 0    |      | -1 2    | 536 0   | 230 0    |      |      |  |      |   |      |

|   |          |          |          |         |         |         |      |      |
|---|----------|----------|----------|---------|---------|---------|------|------|
| 354 Misc petroleum and coal products            | 70 0     | 72 8     | 62 0     | 14 8    | 21 2    | 15 0    | 21 1 | 54 1 |
| 355 Rubber products                             | 337 0    | 335 8    | 345 0    | 141 0   | 101 6   | 104 0   | 41 8 | 58 8 |
| 3551 Tyres and tubes                            |          | 184 1    |          |         | 63 9    |         |      |      |
| 3559 Other rubber products                      |          | 151 7    |          |         | 47 7    |         |      |      |
| 356 Plastic products                            | 832 0    | 1114 4   | 1048 0   | 277 2   | 379 8   | 383 0   | 33 3 | 53 2 |
| 361 Pottery, china, earthenware                 | 1039 0d/ | 1136 0d/ | 1150 0d/ | 358 2d/ | 430 0d/ | 438 0d/ | 34 5 | 46 3 |
| 362 Glass and products                          | d/       | d/       | d/       | d/      | d/      | d/      |      |      |
| 369 Other non-metallic mineral products         | d/       | d/       | d/       | d/      | d/      | d/      |      |      |
| 3691 Structural clay products                   |          |          |          |         |         |         |      |      |
| 3692 Cement, lime and plaster                   |          |          |          |         |         |         |      |      |
| 3699 Other non-metallic mineral products        |          |          |          |         |         |         |      |      |
| 371 Iron and steel                              | 1160 0e/ | 1478 0e/ | 1437 0e/ | 345 5e/ | 480 0e/ | 422 0e/ | 29 8 | 52 2 |
| 372 Non-ferrous metals                          | e/       | e/       | e/       | e/      | e/      | e/      |      |      |
| 381 Fabricated metal products                   | 2496 0   | 2606 4   | 2459 0   | 811 0   | 882 3   | 804 0   | 32 5 | 58 7 |
| 3811 Cutlery, hand tools and general hardware   |          |          |          |         |         |         |      |      |
| 3812 Furniture and fixtures primarily of metal  |          |          |          |         |         |         |      |      |
| 3813 Structural metal products                  |          |          |          |         |         |         |      |      |
| 3819 Other fabricated metal products            |          |          |          |         |         |         |      |      |
| 382 Non-electrical machinery                    | 1593 0   | 1656 3   | 1590 0   | 529 7   | 573 0   | 569 0   | 33 3 | 60 1 |
| 3821 Engines and turbines                       |          |          |          |         |         |         |      |      |
| 3822 Agricultural machinery and equipment       |          |          |          |         |         |         |      |      |
| 3823 Metal and wood working machinery           |          |          |          |         |         |         |      |      |
| 3824 Other special industrial machinery         |          |          |          |         |         |         |      |      |
| 3825 Office, computing and accounting machinery |          |          |          |         |         |         |      |      |
| 3829 Other non-electrical machinery & equipment |          |          |          |         |         |         |      |      |
| 383 Electrical machinery                        | 1390 0   | 1391 9   | 1415 0   | 401 8   | 437 2   | 435 0   | 28 9 | 66 4 |
| 3831 Electrical industrial machinery            |          |          |          |         |         |         |      |      |
| 3832 Radio, television and communication equipm |          |          |          |         |         |         |      |      |
| 3833 Electrical appliances and housewares       |          |          |          |         |         |         |      |      |
| 3839 Other electrical apparatus and supplies    |          |          |          |         |         |         |      |      |
| 384 Transport equipment                         | 1935 0   | 2473 9   | 2111 0   | 550 6   | 589 0   | 540 0   | 28 5 | 66 8 |
| 3841 Shipbuilding and repairing                 |          |          |          |         |         |         |      |      |
| 3842 Railroad equipment                         |          |          |          |         |         |         |      |      |
| 3843 Motor vehicles                             |          |          |          |         |         |         |      |      |
| 3844 Motorcycles and bicycles                   |          |          |          |         |         |         |      |      |
| 3845 Aircraft                                   |          |          |          |         |         |         |      |      |
| 3849 Other transport equipment                  |          |          |          |         |         |         |      |      |
| 385 Professional and scientific equipment       | 116 0    | 128 3    | 129 0    | 40 4    | 40 6    | 40 0    | 34 8 | 53 2 |
| 3851 Prof and scientific equipment n e c        |          |          |          |         |         |         |      |      |
| 3852 Photographic and optical goods             |          |          |          |         |         |         |      |      |
| 3853 Watches and clocks                         |          |          |          |         |         |         |      |      |
| 390 Other manufacturing industries              | 278 0    | 394 3    | 418 0    | 96 3    | 144 9   | 144 0   | 34 5 | 56 1 |
| 3901 Jewellery and related articles             |          |          |          |         |         |         |      |      |
| 3902 Musical instruments                        |          |          |          |         |         |         |      |      |
| 3903 Sporting and athletic goods                |          |          |          |         |         |         |      |      |
| 3909 Manufacturing industries, n e c            |          |          |          |         |         |         |      |      |
| 3 Total manufacturing                           | 30890 0  | 38343 8  | 39291 0  | 9342 6  | 11748 4 | 12297 0 | 30 2 | 59 0 |

a/ 313 includes 314  
c/ 331 includes 332  
e/ 371 includes 372

b/ 322 includes 323 and 324  
d/ 361 includes 362 and 36R

## New Zealand

| ISIC Industry                             | Note | Gross fixed capital formation |        |        |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|--------|--------|------|------|--|------|------|------|------|------|------|------|
|   |      | (million DOLLARS)             |        |        |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1989   | 1990   | 1991 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      | 303 0                         | 683 6  | ...    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 313 Beverages                             |      | 42 8a/                        | 42 6a/ | 44 3a/ | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 314 Tobacco                               |      | ...a/                         | ...a/  | ...a/  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 321 Textiles                              |      | 78 6                          | 37 6   | 21 8   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 322 Wearing apparel, except footwear      |      | 36 3b/                        | 24 6b/ | 31 4b/ | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 323 Leather and fur products              |      | ...b/                         | ...b/  | ...b/  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 324 Footwear, except rubber or plastic    |      | ...b/                         | ...b/  | ...b/  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 331 Wood products, except furniture       |      | 149 2c/                       | 86 6c/ | 70 2c/ | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 332 Furniture and fixtures, excl. metal   |      | ...c/                         | ...c/  | ...c/  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 341 Paper and products                    |      | 102 1                         | 158 0  | 133 2  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 342 Printing and publishing               |      | 93 8                          | 120 4  | 25 8   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 351 Industrial chemicals                  |      | 38 3                          | 66 3   | 29 9   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 352 Other chemicals                       |      | 30 3                          | 29 5   | 45 4   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 353 Petroleum refineries                  |      | 615 0                         | 18 7   | 5 9    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 354 Misc petroleum and coal products      |      | 1 4                           | 3 8    | 2 4    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 355 Rubber products                       |      | 8 6                           | 5 5    | 8 4    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 356 Plastic products                      |      | 58 7                          | 46 1   | 80 4   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 361 Pottery, china, earthenware           |      | 48 0d/                        | 51 8d/ | 67 6d/ | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 362 Glass and products                    |      | ...d/                         | ...d/  | ...d/  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 369 Other non-metallic mineral products   |      | ...d/                         | ...d/  | ...d/  | ...  | 114  | 120                                    | 124  | 122  | 110  | 101  | 96   | 81   | 83   |
| 371 Iron and steel                        |      | 527 5e/                       | 38 5e/ | 42 9e/ | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 372 Non-ferrous metals                    |      | ...e/                         | ...e/  | ...e/  | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 381 Fabricated metal products             |      | 83 6                          | 25 7   | 72 4   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 382 Non-electrical machinery              |      | 41 0                          | 37 6   | 35 5   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 383 Electrical machinery                  |      | 65 6                          | 51 2   | 35 8   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 384 Transport equipment                   |      | 64 1                          | 76 9   | 30 1   | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 385 Professional and scientific equipment |      | 4 3                           | 2 1    | 2 5    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 390 Other manufacturing industries        |      | 10 4                          | 6 0    | 8 1    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 3 Total manufacturing                     |      | 2402 5                        | 1613 0 | ...    | ...  | ...  | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |

a/ 313 includes 314

c/ 331 includes 332

e/ 371 includes 372

b/ 322 includes 323 and 324

d/ 361 includes 362 and 369

## NORWAY

**Supplier of information:**

Statistisk sentralbyrå (Statistics Norway), Oslo.

Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

**Basic source of data:**

Annual inquiry.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

Through 1991 all establishments with 5 or more persons engaged with the exception of a few industrial groups where all establishments are covered, e.g. manufacture of dairy products, margarine, fish oils and fish meal, tobacco products, petroleum refining and manufacture of oil and gas well machinery and tools. Beginning 1992 establishments with 10 or more persons engaged are covered.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of employees is calculated as the average number of employees throughout the year, whether full- or part-time; homeworkers are not included.

Wages and salaries includes regular and overtime payments, bonuses, cost-of-living allowances, vacation and sick leave pay, allowances (e.g., travelling, clothing expenses) and payments in kind. Beginning 1992, wages and salaries includes supplements, through 1991 supplements are excluded. Supplements are social expenses levied by law.

Output refers to gross output and is valued in producers' prices, excluding all subsidies, and including all indirect taxes but VAT. Included is the value of all products, work done on own account, services rendered, fixed assets produced for own use, waste products and goods produced by homeworkers. Net changes in work in progress and stocks are allowed for.

Value added refers to census value added. The cost of materials, fuels and other supplies, contract and commission work done by others, repair and maintenance work done by others and electricity purchased are deducted from gross output. Cost of non-industrial services and receipts for non-industrial services are included. Input estimates are made on a consumed basis.

Gross fixed capital formation is the value of purchases of fixed assets plus own-account construction, less the value of sales. Fixed assets covered are those with a productive life of at least one year, and include new and used assets, those made by a unit's labour force for its own use, and additions, alterations and improvements to existing assets. Valuation is at full cost incurred, including the delivered price, the cost of installation, and the investment levy. Assets produced by the unit cover the cost of labour, materials and other supplies. The actual amount realized is taken for sales of used assets.

**Related national publications:**

Industristatistikk (annual), published by Statistics Norway, Oslo.

## Norway

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note | Number of employees |        |        |        | Note | Wages and salaries paid to employees |        |        |        |
|--|------|--------------------------|------|------|------|------|---------------------|--------|--------|--------|------|--------------------------------------|--------|--------|--------|
|  |      | (numbers)                |      |      |      |      | (numbers)           |        |        |        |      | (million KRONER)                     |        |        |        |
|  |      | 1985                     | 1990 | 1991 | 1992 |      | 1985                | 1990   | 1991   | 1992   |      | 1985                                 | 1990   | 1991   | 1992   |
| ISIC Industry                                    |      |                          |      |      |      |      |                     |        |        |        |      |                                      |        |        |        |
| 311/2 Food Products                              |      | 1575                     | 1372 | 1351 | 885  |      | 47233               | 43908  | 43580  | 39967  |      | 5044                                 | 7001   | 7394   | 8541   |
| 3111 Slaughtering, preparing & preserving meat   |      | 240                      | 215  | 219  | 156  |      | 10797               | 10495  | 10313  | 9938   |      | 1200                                 | 1757   | 1827   | 2209   |
| 3112 Dairy products                              |      | 195                      | 151  | 140  | 122  |      | 6324                | 6034   | 5925   | 5709   |      | 786                                  | 1084   | 1131   | 1385   |
| 3113 Canning, preserving of fruits & vegetables  |      | 25                       | 19   | 20   | 20   |      | 1240                | 772    | 840    | 820    |      | 139                                  | 128    | 149    | 173    |
| 3114 Canning, preserving and processing of fish  |      | 428                      | 349  | 345  | 247  |      | 12696               | 9587   | 9606   | 9073   |      | 1109                                 | 1252   | 1400   | 1567   |
| 3115 Vegetable and animal oils and fats          |      | 60                       | 47   | 39   | 29   |      | 2046                | 1496   | 1336   | 1294   |      | 266                                  | 288    | 286    | 356    |
| 3116 Grain mill products                         |      | 77                       | 49   | 44   | 18   |      | 1143                | 879    | 932    | 707    |      | 143                                  | 172    | 179    | 172    |
| 3117 Bakery products                             |      | 398                      | 378  | 374  | 199  |      | 6500                | 6621   | 6629   | 5119   |      | 603                                  | 900    | 962    | 971    |
| 3118 Sugar factories and refineries              |      | -                        | -    | -    | -    |      | -                   | -      | -      | -      |      | -                                    | -      | -      | -      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 6                        | 5    | 4    | 4    |      | 2487                | 2713   | 2697   | 2491   |      | 311                                  | 466    | 458    | 547    |
| 3121 Other food products                         |      | 69                       | 89   | 99   | 52   |      | 2876                | 3807   | 3819   | 3643   |      | 331                                  | 666    | 683    | 832    |
| 3122 Prepared animal feeds                       |      | 77                       | 70   | 67   | 38   |      | 1124                | 1502   | 1482   | 1173   |      | 156                                  | 297    | 320    | 328    |
| 313 Beverages                                    |      | 50                       | 47a/ | 45a/ | 38a/ |      | 4291                | 5000a/ | 5000a/ | 4836a/ |      | 597                                  | 1018a/ | 1081a/ | 1338a/ |
| 3131 Distilling, rectifying and blending spirits |      | 9                        | 8    | 6    | 3    |      | 471                 | 75     | 75     | 61     |      | 66                                   | 17     | 16     | -      |
| 3132 Wine industries                             |      | -                        | -    | -    | -    |      | -                   | -      | -      | -      |      | -                                    | -      | -      | -      |
| 3133 Malt liquors and malt                       |      | 16                       | 15   | 16   | 15   |      | 2902                | 3133   | 3158   | 2975   |      | 404                                  | -      | -      | 842    |
| 3134 Soft drinks and carbonated waters           |      | 25                       | 22   | 21   | 18   |      | 918                 | 1130   | 1166   | 1176   |      | 127                                  | 225    | 241    | 305    |
| 314 Tobacco                                      |      | 4                        | a/   | a/   | a/   |      | 925                 | a/     | a/     | a/     |      | 110                                  | a/     | a/     | a/     |
| 321 Textiles                                     |      | 218                      | 203  | 191  | 129  |      | 7926                | 6747   | 5249   | 5063   |      | 748                                  | 834    | 802    | 947    |
| 3211 Spinning, weaving and finishing textiles    |      | 46                       | 36   | 33   | 27   |      | 2617                | 1609   | 1535   | 1498   |      | 258                                  | 243    | 246    | -      |
| 3212 Made-up textile goods excl wearing apparel  |      | 68                       | 69   | 64   | 37   |      | 1461                | 1277   | 1059   | 965    |      | 131                                  | 175    | 164    | 167    |
| 3213 Knitting mills                              |      | 41                       | 35   | 32   | 25   |      | 2055                | 1410   | 1201   | 1213   |      | 167                                  | 188    | 172    | 208    |
| 3214 Carpets and rugs                            |      | 3                        | 2    | 2    | 1    |      | 39                  | 21     | 19     | 12     |      | 4                                    | -      | -      | -      |
| 3215 Cordage, rope and twine                     |      | 42                       | 46   | 47   | 31   |      | 928                 | 905    | 929    | 799    |      | 95                                   | 138    | 141    | 141    |
| 3219 Other textiles                              |      | 18                       | 15   | 13   | 8    |      | 825                 | 525    | 505    | 575    |      | 93                                   | -      | -      | 123    |
| 322 Wearing apparel, except footwear             |      | 143                      | 86   | 90   | 67   |      | 4263                | 2081   | 2083   | 1905   |      | 361                                  | 262    | 281    | 298    |
| 323 Leather and fur products                     |      | 32                       | 23   | 20   | 13   |      | 737                 | 458    | 459    | 441    |      | 67                                   | 67     | 69     | 77     |
| 3231 Tanneries and leather finishing             |      | 6                        | 3    | 3    | 2    |      | 157                 | 144    | 161    | 183    |      | 16                                   | -      | 27     | -      |
| 3232 Fur dressing and dyeing industries          |      | 5                        | 2    | 3    | 2    |      | 62                  | 18     | 42     | 38     |      | 5                                    | -      | 6      | -      |
| 3233 Leather prods excl wearing apparel          |      | 21                       | 18   | 14   | 9    |      | 508                 | 296    | 256    | 220    |      | 46                                   | 40     | 36     | 37     |
| 324 Footwear, except rubber or plastic           |      | 25                       | 15   | 14   | 9    |      | 658                 | 412    | 396    | 371    |      | 59                                   | 51     | 54     | 62     |
| 331 Wood products, except furniture              |      | 803                      | 607  | 588  | 322  |      | 17855               | 15239  | 13934  | 11013  |      | 1984                                 | 2417   | 2274   | 2204   |
| 3311 Sawmills, planing and other wood mills      |      | 716                      | 545  | 516  | 280  |      | 16662               | 14336  | 12812  | 10050  |      | 1866                                 | 2300   | 2139   | 2074   |
| 3312 Wooden and cane containers                  |      | 30                       | 13   | 12   | 7    |      | 298                 | 213    | 226    | 194    |      | 24                                   | 24     | 21     | 21     |
| 3319 Other wood and cork products                |      | 57                       | 49   | 60   | 35   |      | 895                 | 696    | 896    | 789    |      | 94                                   | 93     | 114    | 109    |
| 332 Furniture and fixtures, excl metal           |      | 247                      | 247  | 250  | 154  |      | 8073                | 6813   | 6598   | 5674   |      | 895                                  | 1022   | 1029   | 1102   |
| 341 Paper and products                           |      | 111                      | 103  | 99   | 84   |      | 13630               | 11829  | 11434  | 10639  |      | 1763                                 | 2203   | 2263   | 2618   |
| 3411 Pulp, paper and paperboard articles         |      | 53                       | 45   | 45   | 43   |      | 9679                | 8186   | 7839   | 7313   |      | 1264                                 | 1548   | 1570   | 1829   |
| 3412 Containers of paper and paperboard          |      | 35                       | 34   | 33   | 29   |      | 2802                | 2752   | 2721   | 2665   |      | 351                                  | 604    | 527    | 648    |
| 3419 Other pulp, paper and paperboard articles   |      | 23                       | 24   | 21   | 12   |      | 1149                | 891    | 874    | 661    |      | 137                                  | 151    | 156    | 143    |
| 342 Printing and publishing                      |      | 808                      | 861  | 836  | 467  |      | 31853               | 32409  | 32156  | 29650  |      | 3903                                 | 5629   | 5869   | 6562   |
| 351 Industrial chemicals                         |      | 56                       | 47   | 52   | 43   |      | 8962                | 8274   | 7721   | 7354   |      | 1350                                 | 1899   | 1931   | 2415   |
| 3511 Basic chemicals excl fertilizers            |      | 40                       | 34   | 39   | 31   |      | 3652                | 3718   | 3923   | 3435   |      | 541                                  | 814    | 885    | 1039   |
| 3512 Fertilizers and pesticides                  |      | 5                        | 3    | 2    | 2    |      | 3319                | 2837   | 1977   | 2146   |      | 482                                  | 635    | -      | -      |
| 3513 Synthetic resins and plastic materials      |      | 11                       | 10   | 11   | 10   |      | 1991                | 1719   | 1821   | 1773   |      | 327                                  | 450    | -      | -      |
| 352 Other chemicals                              |      | 96                       | 75   | 80   | 60   |      | 5973                | 5485   | 5269   | 5376   |      | 822                                  | 1075   | 1137   | 1535   |
| 3521 Paints, varnishes and lacquers              |      | 25                       | 20   | 19   | 13   |      | 1566                | 1265   | 1273   | 1212   |      | 216                                  | 269    | 267    | 335    |
| 3522 Drugs and medicines                         |      | 12                       | 15   | 16   | 17   |      | 1714                | 1965   | 1994   | 2233   |      | 240                                  | 406    | 457    | 681    |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 14                       | 10   | 12   | 5    |      | 914                 | 767    | 619    | 508    |      | 122                                  | 136    | 128    | 141    |
| 3529 Other chemical products                     |      | 45                       | 30   | 33   | 25   |      | 1779                | 1488   | 1383   | 1423   |      | 244                                  | 264    | 284    | 377    |
| 353 Petroleum refineries                         |      | 3                        | 3    | 3    | 3    |      | 898                 | 1192   | 1169   | 1173   |      | 175                                  | 334    | 392    | 457    |

|   |      |      |      |      |        |        |        |        |       |       |       |       |
|---|------|------|------|------|--------|--------|--------|--------|-------|-------|-------|-------|
| 354 Misc. petroleum and coal products           | 38   | 26   | 24   | 12   | 1639   | 817    | 834    | 691    | 222   | 185   | 192   | 206   |
| 355 Rubber products                             | 35   | 27   | 29   | 13   | 1602   | 1194   | 1168   | 519    | 191   | 211   | 214   | 121   |
| 3551 Tyres and tubes                            |      |      |      | 6    |        |        |        | 438    |       |       |       | 104   |
| 3559 Other rubber products                      |      |      |      | 7    |        |        |        | 81     |       |       |       | 18    |
| 356 Plastic products                            | 203  | 207  | 197  | 125  | 6270   | 5695   | 5648   | 1199   | 713   | 963   | 1008  | 1141  |
| 361 Pottery, china, earthenware                 | 5    | 7    | 7    | 5    | 1034   | 816    | 775    | 707    | 110   | 120   | 121   | 143   |
| 362 Glass and products                          | 34   | 32   | 33   | 27   | 1910   | 1485   | 1661   | 1530   | 240   | 267   | 307   | 359   |
| 369 Other non-metallic mineral products         | 341  | 252  | 228  | 109  | 7308   | 6093   | 5188   | 4232   | 992   | 1205  | 1062  | 1154  |
| 3691 Structural clay products                   | 6    | 4    | 4    | 5    | 390    | 259    | 232    | 250    | 47    | 49    | 44    | 62    |
| 3692 Cement, lime and plaster                   | 7    | 4    | 4    | 4    | 809    | 610    | 548    | 600    | 128   | 128   | 130   | 227   |
| 3699 Other non-metallic mineral products        | 328  | 244  | 220  | 100  | 6109   | 5224   | 4408   | 3382   | 817   | 1028  | 888   | 865   |
| 371 Iron and steel                              | 48   | 40   | 40   | 38   | 9933   | 7365   | 6844   | 6251   | 1388  | 1498  | 1470  | 1666  |
| 372 Non-ferrous metals                          | 43   | 41   | 41   | 35   | 12674  | 10436  | 10239  | 9568   | 1847  | 2349  | 2448  | 2877  |
| 381 Fabricated metal products                   | 756  | 836  | 772  | 511  | 23097  | 21237  | 20037  | 18001  | 2804  | 3653  | 3620  | 4044  |
| 3811 Cutlery, hand tools and general hardware   | 58   | 43   | 44   | 34   | 1855   | 1898   | 1833   | 1742   | 214   | 319   | 316   | 374   |
| 3812 Furniture and fixtures primarily of metal  | 27   | 32   | 30   | 23   | 1294   | 1263   | 1103   | 973    | 162   | 207   | 181   | 205   |
| 3813 Structural metal products                  | 233  | 300  | 287  | 209  | 7900   | 8206   | 7921   | 6863   | 998   | 1501  | 1542  | 1618  |
| 3819 Other fabricated metal products            | 438  | 461  | 411  | 245  | 12048  | 9870   | 9180   | 8423   | 1430  | 1636  | 1581  | 1848  |
| 382 Non-electrical machinery                    | 596  | 516  | 504  | 332  | 39866  | 32953  | 33912  | 34752  | 6042  | 7102  | 7765  | 10101 |
| 3821 Engines and turbines                       | 6    | 5    | 5    | 4    | 1459   | 1110   | 1055   | 426    | 220   | 266   | 245   | 99    |
| 3822 Agricultural machinery and equipment       | 24   | 19   | 20   | 16   | 1732   | 1661   | 1591   | 1338   | 225   | 311   | 268   | 305   |
| 3823 Metal and wood working machinery           | 16   | 13   | 14   | 10   | 416    | 364    | 297    | 282    | 53    | 65    | 53    | 62    |
| 3824 Other special industrial machinery         | 137  | 125  | 134  | 122  | 17768  | 15721  | 18262  | 21522  | 2915  | 3458  | 4419  | 6540  |
| 3825 Office, computing and accounting machinery | 18   | 16   | 14   | 8    | 2559   | 2030   | 953    | 1025   | 396   | 546   | 242   | 301   |
| 3829 Other non-electrical machinery & equipment | 395  | 338  | 317  | 172  | 15932  | 12067  | 11754  | 10179  | 2234  | 2456  | 2537  | 2794  |
| 383 Electrical machinery                        | 251  | 281  | 268  | 194  | 20236  | 16266  | 15589  | 13436  | 2957  | 3253  | 3359  | 3805  |
| 3831 Electrical industrial machinery            | 77   | 97   | 89   | 67   | 5698   | 5164   | 5004   | 4465   | 837   | 1003  | 998   | 1185  |
| 3832 Radio, television and communication equipm | 93   | 92   | 87   | 62   | 9200   | 6364   | 6079   | 5144   | 1388  | 1340  | 1474  | 1606  |
| 3833 Electrical appliances and housewares       | 23   | 18   | 16   | 10   | 1100   | 832    | 749    | 566    | 126   | 137   | 121   | 117   |
| 3839 Other electrical apparatus and supplies    | 58   | 74   | 76   | 55   | 4238   | 3906   | 3757   | 3261   | 608   | 773   | 766   | 897   |
| 384 Transport equipment                         | 485  | 423  | 404  | 297  | 29545  | 23812  | 23228  | 22011  | 3841  | 4500  | 4704  | 5452  |
| 3841 Shipbuilding and repairing                 | 363  | 307  | 294  | 220  | 20629  | 14895  | 15066  | 14342  | 2618  | 2728  | 2968  | 3450  |
| 3842 Railroad equipment                         | 18   | 11   | 10   | 9    | 2487   | 2305   | 2214   | 1987   | 339   | 419   | 403   | 493   |
| 3843 Motor vehicles                             | 86   | 84   | 79   | 52   | 3775   | 3628   | 3170   | 3171   | 438   | 619   | 574   | 719   |
| 3844 Motorcycles and bicycles                   | b/   | b/   | b/   | b/   | b/     | b/     | b/     | b/     | b/    | b/    | b/    | b/    |
| 3845 Aircraft                                   | 14   | 17   | 17   | 11   | 2531   | 2849   | 2651   | 2354   | 432   | 711   | 738   | 757   |
| 3849 Other transport equipment                  | 4    | 4    | 4    | 5    | 123    | 137    | 127    | 157    | 14    | 23    | 21    | 33    |
| 385 Professional and scientific equipment       | 31   | 57   | 56   | 38   | 1303   | 1585   | 1873   | 1761   | 185   | 352   | 454   | 523   |
| 3851 Prof. and scientific equipment n e c       | 27   | 51   | 50   | 34   | 1085   | 1367   | 1666   | 1669   | 151   | 302   | 406   | 467   |
| 3852 Photographic and optical goods             | 4    | 6    | 6    | 4    | 217    | 218    | 207    | 192    | 34    | 50    | 48    | 57    |
| 3853 Watches and clocks                         | -    | -    | -    | -    | -      | -      | -      | -      | -     | -     | -     | -     |
| 390 Other manufacturing industries              | 95   | 85   | 94   | 69   | 2400   | 2497   | 3140   | 3124   | 268   | 407   | 482   | 572   |
| 3901 Jewellery and related articles             | 31   | 27   | 28   | 20   | 784    | 744    | 775    | 718    | 90    | 120   | 133   | 159   |
| 3902 Musical instruments                        | 2    | 2    | 2    | 1    | 12     | 13     | 15     | 11     |       |       |       |       |
| 3903 Sporting and athletic goods                | 19   | 12   | 13   | 14   | 562    | 787    | 842    | 867    | 60    | 128   | 152   | 200   |
| 3909 Manufacturing industries, n e c            | 43   | 44   | 51   | 34   |        | 953    | 1508   | 1528   |       |       |       |       |
| 3 Total manufacturing                           | 7132 | 6519 | 6316 | 4079 | 312094 | 271096 | 266200 | 245144 | 39668 | 49881 | 51775 | 60321 |

a/ 313 includes 314

b/ 3843 includes 3844

Norway

| ISIC Industry                                    | Note | Output<br>(million KRONER) |        |         |         |      | Value added<br>(million KRONER) |        |        |       |      | Share of value added in output (percentage) |      | Share of wages and salaries in value added (percentage) |      |
|--|------|----------------------------|--------|---------|---------|------|---------------------------------|--------|--------|-------|------|---|------|---|------|
|  |      | 1985                       | 1990   | 1991    | 1992    | Note | 1985                            | 1990   | 1991   | 1992  | 1992 | 1985  | 1992 | 1985  | 1992 |
| 311/2 Food products                              |      | 45198                      | 64325  | 69261   | 69509   |      | 8182                            | 9477   | 11150  | 11150 | 11.8 | 16.0  | 92.7 | 76.6  |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 13641                      | 20856  | 22276   | 21868   |      | 2175                            | 2509   | 2669   | 7.9   | 12.2 | 82.8  | 65.6 |   |      |
| 3112 Dairy products                              |      | 7682                       | 11762  | 12194   | 13478   |      | 1470                            | 1470   | -453   | 28.3  | 24.6 | 50.9  | 52.0 |   |      |
| 3113 Canning, preserv. of fruits & vegetables    |      | 966                        | 1117   | 1380    | 1348    |      | 272                             | 340    | 332    | 23.7  | 21.5 | 66.2  | 71.1 |   |      |
| 3114 Canning, preserv. and processing of fish    |      | 7016                       | 8507   | 10093   | 10242   |      | 2021                            | 2284   | 2204   | 20.0  | 21.8 | 39.1  | 51.4 |   |      |
| 3115 Vegetable and animal oils and fats          |      | 3408                       | 2659   | 2750    | 3175    |      | 478                             | 523    | 693    | 17.7  | 41.2 | 36.5  | 77.6 |   |      |
| 3116 Grain mill product                          |      | 2216                       | 2677   | 2447    | 3384    |      | 2677                            | 450    | 981    | 44.1  | 40.0 | 58.7  | 72.5 |   |      |
| 3117 Bakery product                              |      | 2332                       | 3414   | 3756    | 3347    |      | 1403                            | 1485   | 1340   | 47.8  | 52.8 | 41.1  | 48.8 |   |      |
| 3118 Sugar factories and refineries              |      | 1583                       | 2344   | 2232    | 2119    |      | 1116                            | 1062   | 1119   | 26.4  | 29.4 | 46.6  | 58.3 |   |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 2681                       | 3866   | 4660    | 4858    |      | 1285                            | 1329   | 1427   | 11.9  | 12.5 | 28.5  | 39.2 |   |      |
| 3121 Other food products                         |      | 4813                       | 7342   | 7243    | 6691    |      | 894                             | 965    | 837    | 64.4  | 76.6 | 27.4  | 61.7 |   |      |
| 3122 Prepared animal feeds                       |      | 3956                       | 9610a/ | 10561a/ | 10890a/ |      | 29                              | 7899a/ | 8347a/ | 71.8  | 74.6 | 54.1  | 52.1 |   |      |
| 313 Beverages                                    |      | 390                        | 124    | 117     | 5341    |      | 586                             | 578    | 3971   | 81.9  | 39.7 | 36.2  | 39.7 |   |      |
| 3131 Distilling, rectifying and blending spirits |      | 2891                       | 1116   | 1115    | 1195    |      | 586                             | 578    | 622    | 36.0  | 33.7 | 37.9  | 79.5 |   |      |
| 3132 Wine industries                             |      | 875                        | 2306   | a/      | a/      |      | 1197                            | 1752   | 1314   | 37.9  | 45.2 | 80.0  | 72.4 |   |      |
| 3133 Malt liquors and malt                       |      | 2306                       | 2985   | 3237    | 3310    |      | 366                             | 406    | 210    | 38.5  | 38.9 | 35.7  | 41.7 |   |      |
| 3134 Soft drinks and carbonated waters           |      | 2985                       | 995    | 1023    | 625     |      | 218                             | 218    | 279    | 38.2  | 39.1 | 38.2  | 39.1 |   |      |
| 314 Tobacco                                      |      | 875                        | 1116   | 1115    | 1195    |      | 248                             | 245    | 210    | 23.3  | 28.2 | 23.3  | 28.2 |   |      |
| 321 Textiles                                     |      | 2985                       | 3172   | 3237    | 3310    |      | 248                             | 245    | 210    | 16.6  | 41.9 | 16.6  | 41.9 |   |      |
| 3211 Spinning, weaving and finishing textiles    |      | 1022                       | 995    | 1023    | 625     |      | 5                               | 5      | 195    | 37.2  | 38.9 | 63.8  | 72.4 |   |      |
| 3212 Made up textile goods excl. wearing apparel |      | 565                        | 587    | 563     | 618     |      | 212                             | 228    | 207    | 35.7  | 41.7 | 66.4  | 59.3 |   |      |
| 3213 Knitting mills                              |      | 593                        | 587    | 563     | 618     |      | 140                             | 140    | 207    | 38.2  | 39.1 | 71.1  | 76.6 |   |      |
| 3214 Carpets and rugs                            |      | 13                         | 572    | 617     | 502     |      | 364                             | 379    | 399    | 30.3  | 29.8 | 63.1  | 80.3 |   |      |
| 3215 Cordage, rope and twine                     |      | 400                        | 572    | 617     | 502     |      | 99                              | 113    | 101    | 23.3  | 28.2 | 55.3  | 71.4 |   |      |
| 3219 Other textiles                              |      | 392                        | 392    | 392     | 496     |      | 54                              | 8      | 45     | 16.6  | 41.9 | 16.6  | 41.9 |   |      |
| 322 Wearing apparel, except footwear             |      | 1329                       | 957    | 985     | 993     |      | 82                              | 81     | 76     | 40.0  | 44.4 | 72.0  | 82.4 |   |      |
| 323 Leather and fur products                     |      | 257                        | 335    | 340     | 360     |      | 3143                            | 3283   | 2746   | 30.3  | 29.8 | 63.1  | 80.3 |   |      |
| 3231 Tanneries and leather finishing             |      | 116                        | 198    | 198     | 260     |      | 292                             | 311    | 2618   | 38.0  | 35.7 | 62.4  | 79.2 |   |      |
| 3232 Fur dressing and dyeing industries          |      | 18                         | 20     | 20      | 107     |      | 30                              | 20     | 11     | 33.0  | 37.6 | 77.7  | 92.8 |   |      |
| 3233 Leather goods, excl. wearing apparel        |      | 123                        | 133    | 122     | 107     |      | 121                             | 152    | 117    | 35.3  | 34.2 | 63.3  | 80.5 |   |      |
| 324 Footwear, except rubber or plastic           |      | 205                        | 165    | 188     | 169     |      | 1415                            | 1487   | 1369   | 35.3  | 34.2 | 63.3  | 80.5 |   |      |
| 331 Wood products, except furniture              |      | 10377                      | 12743  | 11214   | 9276    |      | 3875                            | 3283   | 2746   | 25.9  | 23.6 | 51.0  | 71.5 |   |      |
| 3311 Sawmills, planing and other wood mills      |      | 9931                       | 12295  | 10754   | 8884    |      | 3718                            | 3111   | 2618   | 24.8  | 21.1 | 48.1  | 71.4 |   |      |
| 3312 Wooden and cane containers                  |      | 79                         | 64     | 53      | 30      |      | 24                              | 20     | 11     | 38.0  | 35.7 | 80.0  | 80.0 |   |      |
| 3319 Other wood and cork products                |      | 367                        | 384    | 407     | 312     |      | 133                             | 152    | 117    | 33.0  | 37.6 | 77.7  | 92.8 |   |      |
| 332 Furniture and fixtures, excl. metal          |      | 4003                       | 4266   | 4379    | 4002    |      | 1478                            | 1487   | 1369   | 35.3  | 34.2 | 63.3  | 80.5 |   |      |
| 341 Paper and products                           |      | 13263                      | 18568  | 17704   | 15503   |      | 4437                            | 4358   | 3661   | 25.9  | 23.6 | 51.0  | 71.5 |   |      |
| 3411 Pulp, paper and paperboard articles         |      | 10624                      | 15215  | 14224   | 12107   |      | 3817                            | 3176   | 2560   | 31.5  | 35.0 | 60.9  | 71.9 |   |      |
| 3412 Containers of paper and paperboard          |      | 1831                       | 2429   | 2528    | 2569    |      | 861                             | 910    | 899    | 28.6  | 24.4 | 59.3  | 70.8 |   |      |
| 3419 Other pulp, paper and paperboard articles   |      | 808                        | 924    | 952     | 828     |      | 231                             | 272    | 202    | 28.6  | 24.4 | 59.3  | 70.8 |   |      |
| 342 Printing and publishing                      |      | 13968                      | 19957  | 20585   | 19010   |      | 6167                            | 9010   | 8515   | 44.2  | 44.8 | 63.3  | 77.1 |   |      |
| 351 Industrial chemicals                         |      | 1272                       | 15837  | 15893   | 14241   |      | 3631                            | 4502   | 3990   | 28.5  | 28.0 | 37.2  | 60.5 |   |      |
| 3511 Basic chemicals excl. fertilizers           |      | 1517                       | 2356   | 2369    | 6812    |      | 1643                            | 2302   | 2081   | 28.5  | 30.5 | 32.9  | 49.9 |   |      |
| 3512 Fertilizers and pesticides                  |      | 3007                       | 4661   | 7216    | 1343    |      | 1844                            | 1644   | 2081   | 34.4  | 30.5 | 35.9  | 50.7 |   |      |
| 3513 Synthetic resins and plastic materials      |      | 3058                       | 3919   | 3919    | 1723    |      | 836                             | 836    | 508    | 21.1  | 29.5 | 34.1  | 45.0 |   |      |
| 352 Other chemicals                              |      | 4803                       | 6426   | 6487    | 7605    |      | 1577                            | 2459   | 2865   | 32.8  | 37.7 | 52.1  | 63.5 |   |      |
| 3521 Paints, varnishes and lacquers              |      | 1360                       | 1474   | 1350    | 1390    |      | 358                             | 368    | 413    | 21.1  | 29.7 | 21.1  | 29.7 |   |      |
| 3522 Drugs and medicines                         |      | 1336                       | 2799   | 2955    | 3728    |      | 500                             | 1134   | 1630   | 37.4  | 43.7 | 48.0  | 41.8 |   |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 663                        | 762    | 737     | 764     |      | 314                             | 286    | 314    | 44.8  | 41.1 | 41.1  | 45.0 |   |      |
| 3529 Other chemical products                     |      | 1444                       | 1390   | 1445    | 1723    |      | 493                             | 537    | 508    | 34.1  | 29.5 | 49.5  | 74.1 |   |      |
| 353 Petroleum refineries                         |      | 15784                      | 17233  | 14983   | 14529   |      | 208                             | 1483   | 887    | 1.3   | 5.1  | 64.1  | 61.6 |   |      |



|   |        |        |        |        |       |       |       |       |      |      |      |      |
|---|--------|--------|--------|--------|-------|-------|-------|-------|------|------|------|------|
| 354 Misc. petroleum and coal products           | 1904   | 1505   | 1405   | 1142   | 506   | 396   | 347   | 343   | 26 6 | 30 0 | 43 9 | 60 2 |
| 355 Rubber products                             | 751    | 860    | 771    | 395    | 332   | 360   | 327   | 184   | 44 2 | 41 5 | 57 5 | 74 1 |
| 3551 Tyres and tubes                            |        |        |        | 318    |       |       |       | 139   |      | 43 6 |      | 74 7 |
| 3559 Other rubber products                      |        |        |        | 76     |       |       |       | 25    |      | 33 1 |      | 70 6 |
| 356 Plastic products                            | 3582   | 4872   | 4891   | 4437   | 1261  | 1741  | 1707  | 1717  | 38 2 | 38 7 | 56 6 | 66 6 |
| 361 Pottery, china, earthenware                 | 268    | 301    | 294    | 276    | 153   | 169   | 160   | 161   | 67 1 | 68 4 | 71 9 | 88 7 |
| 362 Glass and products                          | 981    | 1138   | 1341   | 1204   | 431   | 484   | 639   | 471   | 43 9 | 39 1 | 56 7 | 76 2 |
| 369 Other non-metallic mineral products         | 5328   | 6187   | 5285   | 4713   | 1846  | 2257  | 2109  | 1659  | 34 6 | 35 2 | 63 7 | 69 6 |
| 3691 Structural clay products                   | 155    | 177    | 162    | 195    | 67    | 72    | 66    | 83    | 43 2 | 42 7 | 70 1 | 74 6 |
| 3692 Cement, lime and plaster                   | 795    | 1201   | 928    | 1168   | 261   | 429   | 494   | 352   | 32 8 | 30 2 | 49 0 | 64 4 |
| 3699 Other non-metallic mineral products        | 4378   | 4808   | 4194   | 3350   | 1518  | 1756  | 1548  | 1224  | 34 7 | 36 6 | 63 8 | 70 7 |
| 371 Iron and steel                              | 9070   | 9042   | 8413   | 8041   | 2374  | 2170  | 2038  | 1986  | 26 2 | 24 7 | 68 6 | 83 9 |
| 372 Non-ferrous metals                          | 15831  | 22562  | 20949  | 18648  | 4727  | 6171  | 4406  | 4099  | 29 9 | 22 0 | 39 1 | 70 2 |
| 381 Fabricated metal products                   | 9967   | 13161  | 12949  | 12117  | 4000  | 4907  | 6047  | 4722  | 40 1 | 39 0 | 70 1 | 85 6 |
| 3811 Cutlery, hand tools and general hardware   | 734    | 1069   | 1180   | 1023   | 328   | 471   | 584   | 461   | 44 7 | 45 1 | 65 2 | 81 1 |
| 3812 Furniture and fixtures primarily of metal  | 621    | 705    | 588    | 580    | 247   | 254   | 227   | 220   | 39 8 | 38 0 | 65 6 | 93 0 |
| 3813 Structural metal products                  | 3704   | 5564   | 5528   | 4957   | 1392  | 2037  | 2037  | 1827  | 37 6 | 36 9 | 71 7 | 88 6 |
| 3819 Other fabricated metal products            | 4908   | 5833   | 5653   | 5557   | 2033  | 2199  | 2198  | 2214  | 41 4 | 39 8 | 70 3 | 83 6 |
| 382 Non-electrical machinery                    | 36213  | 43390  | 44914  | 49861  | 9278  | 9955  | 11073 | 11249 | 25 6 | 22 6 | 66 1 | 89 5 |
| 3821 Engines and turbines                       | 887    | 1109   | 1165   | 266    | 291   | 326   | 354   | 107   | 32 8 | 40 4 | 75 6 | 92 0 |
| 3822 Agricultural machinery and equipment       | 887    | 1330   | 1069   | 1031   | 362   | 621   | 429   | 428   | 40 8 | 41 5 | 62 2 | 71 3 |
| 3823 Metal and wood working machinery           | 151    | 182    | 140    | 147    | 75    | 78    | 68    | 68    | 49 7 | 46 4 | 70 7 | 91 1 |
| 3824 Other special industrial machinery         | 23074  | 28546  | 31366  | 38299  | 4431  | 4524  | 6992  | 6974  | 19 2 | 18 2 | 65 8 | 93 8 |
| 3825 Office, computing and accounting machinery | 2516   | 2366   | 1214   | 1143   | 908   | 789   | 381   | 387   | 36 1 | 33 9 | 43 6 | 77 7 |
| 3829 Other non-electrical machinery & equipment | 8698   | 9858   | 9961   | 8976   | 3211  | 3717  | 3848  | 3284  | 36 9 | 36 6 | 59 6 | 85 1 |
| 383 Electrical machinery                        | 10265  | 13657  | 13275  | 13338  | 4279  | 4698  | 5159  | 4719  | 41 7 | 35 4 | 69 1 | 80 6 |
| 3831 Electrical industrial machinery            | 2713   | 4291   | 3904   | 3793   | 1090  | 1466  | 1471  | 1366  | 40 2 | 36 0 | 76 8 | 86 7 |
| 3832 Radio, television and communication equipm | 4511   | 5218   | 5409   | 6696   | 1918  | 1984  | 2269  | 2041  | 42 5 | 36 8 | 72 4 | 78 7 |
| 3833 Electrical appliances and housewares       | 483    | 561    | 466    | 409    | 184   | 206   | 169   | 137   | 38 1 | 33 5 | 68 5 | 85 8 |
| 3839 Other electrical apparatus and supplies    | 2558   | 3587   | 3495   | 3442   | 1087  | 1041  | 1251  | 1176  | 42 6 | 34 2 | 56 7 | 76 3 |
| 384 Transport equipment                         | 14369  | 20881  | 22923  | 21247  | 4768  | 6433  | 6494  | 6477  | 33 2 | 30 6 | 80 6 | 84 2 |
| 3841 Shipbuilding and repairing                 | 10294  | 14418  | 17049  | 15169  | 3088  | 3917  | 4260  | 4214  | 30 0 | 27 8 | 84 8 | 81 0 |
| 3842 Railroad equipment                         | 722    | 1524   | 1291   | 1362   | 428   | 524   | 496   | 520   | 69 3 | 38 6 | 79 2 | 94 7 |
| 3843 Motor vehicles                             | 1990   | 2804   | 2399   | 2634   | 628   | 916   | 820   | 887   | 31 6 | 33 7 | 69 7 | 81 0 |
| 3844 Motorcycles and bicycles                   |        |        |        |        |       |       |       |       |      |      |      |      |
| 3845 Aircraft                                   | 1312   | 2051   | 2115   | 1992   | 602   | 1043  | 892   | 816   | 46 9 | 41 0 | 71 8 | 92 6 |
| 3849 Other transport equipment                  | 51     | 84     | 69     | 100    | 22    | 33    | 27    | 39    | 43 1 | 39 3 | 63 6 | 84 9 |
| 385 Professional and scientific equipment       | 724    | 1255   | 1725   | 1573   | 334   | 612   | 668   | 654   | 46 1 | 41 6 | 66 4 | 80 0 |
| 3851 Prof. and scientific equipment n e c       | 572    | 1089   | 1525   | 1340   | 266   | 442   | 581   | 562   | 46 5 | 41 9 | 66 8 | 83 0 |
| 3852 Photographic and optical goods             | 152    | 166    | 200    | 233    | 68    | 70    | 87    | 92    | 44 7 | 39 6 | 60 0 | 61 6 |
| 3853 Watches and clocks                         | -      | -      | -      | -      | -     | -     | -     | -     | -    | -    | -    | -    |
| 390 Other manufacturing industries              | 910    | 1251   | 1482   | 1350   | 360   | 559   | 654   | 651   | 39 6 | 48 3 | 74 4 | 87 8 |
| 3901 Jewellery and related articles             | 326    | 376    | 404    | 380    | 132   | 176   | 202   | 203   | 40 6 | 63 4 | 68 2 | 78 3 |
| 3902 Musical instruments                        |        |        |        |        |       |       |       |       |      |      |      |      |
| 3903 Sporting and athletic goods                | 208    | 293    | 421    | 492    | 84    | 140   | 176   | 249   | 40 4 | 60 7 | 71 4 | 80 4 |
| 3909 Manufacturing industries, n e c            |        |        |        |        |       |       |       |       |      |      |      |      |
| 3 Total manufacturing                           | 242319 | 313656 | 316234 | 307689 | 66852 | 84636 | 86377 | 84480 | 27 2 | 27 6 | 60 2 | 71 4 |

a/ 313 includes 314

b/ 3843 includes 3844

## Norway

| ISIC Industry                             | Note | Gross fixed capital formation |       |       |       | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|-------|-------|-------|------|--|------|------|------|------|------|------|------|
|   |      | (million KRONER)              |       |       |       |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990  | 1991  | 1992  |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      | 1493                          | 2105  | 2029  | 1887  | 94   | 92                                     | 91   | 92   | 90   | 91   | 89   | 92   | 93   |
| 313 Beverages                             |      | 254                           | 232a/ | 485a/ | 476a/ | 91   | 94                                     | 100  | 101  | 104  | 105  | 106  | 107  | 106  |
| 314 Tobacco                               |      | 18                            | a/    | a/    | a/    | 97   | 106                                    | 101  | 109  | 111  | 111  | 112  | 111  | 108  |
| 321 Textiles                              |      | 120                           | 7     | 66    | 81    | 73   | 76                                     | 77   | 72   | 63   | 68   | 69   | 69   | 57   |
| 322 Wearing apparel, except footwear      |      | 17                            | 12    | 16    | 10    | 85   | 85                                     | 82   | 72   | 67   | 46   | 46   | 44   | 43   |
| 323 Leather and fur products              |      | 8                             | 7     | 5     | 13    | 103  | 102                                    | 104  | 108  | 94   | 91   | 96   | 96   | 102  |
| 324 Footwear, except rubber or plastic    |      | 4                             | 2     | 5     | 2     | 62   | 48                                     | 47   | 43   | 40   | 32   | 30   | 29   | 27   |
| 331 Wood products, except furniture       |      | 472                           | 740   | 480   | 418   | 87   | 88                                     | 91   | 90   | 87   | 86   | 81   | 74   | 74   |
| 332 Furniture and fixtures, excl metal    |      | 180                           | 157   | 132   | 83    | 83   | 86                                     | 84   | 80   | 74   | 69   | 66   | 62   | 60   |
| 341 Paper and products                    |      | 595                           | 1153  | 1318  | 2966  | 133  | 137                                    | 136  | 136  | 136  | 146  | 143  | 141  | 139  |
| 342 Printing and publishing               |      | 746                           | 779   | 630   | 674   | 106  | 107                                    | 110  | 112  | 113  | 113  | 112  | 112  | 112  |
| 351 Industrial chemicals                  |      | 678                           | 984   | 1392  | 746   | 203  | 196                                    | 186  | 193  | 201  | 209  | 222  | 212  | 204  |
| 352 Other chemicals                       |      | 257                           | 515   | 461   | 367   | 116  | 121                                    | 128  | 131  | 130  | 141  | 148  | 142  | 149  |
| 353 Petroleum refineries                  |      | 497                           | 1382  | 241   | 202   | 235  | 244                                    | 242  | 281  | 266  | 291  | 406  | 383  | 430  |
| 354 Misc petroleum and coal products      |      | 46                            | 70    | 43    | 14    | 106  | 108                                    | 109  | 108  | 101  | 97   | 90   | 88   | 84   |
| 355 Rubber products                       |      | 29                            | 55    | -53   | 9     | 100  | 108                                    | 113  | 110  | 114  | 114  | 110  | 94   | 54   |
| 356 Plastic products                      |      | 213                           | 250   | 364   | 174   | 106  | 112                                    | 113  | 118  | 114  | 116  | 116  | 109  | 108  |
| 361 Pottery, china, earthenware           |      | 7                             | 11    | 12    | 7     | 74   | 66                                     | 63   | 63   | 63   | 47   | 49   | 46   | 47   |
| 362 Glass and products                    |      | 69                            | 50    | 33    | 58    | 100  | 102                                    | 112  | 114  | 110  | 103  | 102  | 99   | 97   |
| 369 Other non-metallic mineral products   |      | 493                           | 721   | 631   | -36   | 82   | 90                                     | 99   | 106  | 99   | 89   | 86   | 73   | 77   |
| 371 Iron and steel                        |      | 862                           | 619   | 453   | 219   | 147  | 160                                    | 142  | 136  | 141  | 137  | 136  | 128  | 133  |
| 372 Non-ferrous metals                    |      | 1145                          | 876   | 891   | 760   | 110  | 108                                    | 110  | 123  | 134  | 138  | 140  | 141  | 139  |
| 381 Fabricated metal products             |      | 471                           | 501   | 475   | 534   | 86   | 91                                     | 94   | 94   | 91   | 89   | 88   | 87   | 88   |
| 382 Non-electrical machinery              |      | 1195                          | 662   | 854   | 1005  | 123  | 134                                    | 137  | 139  | 130  | 130  | 130  | 126  | 141  |
| 383 Electrical machinery                  |      | 578                           | 493   | 545   | 471   | 119  | 128                                    | 136  | 143  | 146  | 148  | 147  | 139  | 141  |
| 384 Transport equipment                   |      | 311                           | 586   | 520   | 550   | 71   | 66                                     | 64   | 61   | 60   | 60   | 62   | 64   | 66   |
| 385 Professional and scientific equipment |      | 22                            | 54    | 40    | 31    | 130  | 134                                    | 141  | 139  | 137  | 140  | 160  | 167  | 160  |
| 390 Other manufacturing industries        |      | 50                            | 50    | 77    | 64    | 111  | 119                                    | 126  | 117  | 114  | 108  | 112  | 117  | 118  |
| 3 Total manufacturing                     |      | 10830                         | 13072 | 12144 | 11787 | 107  | 109                                    | 110  | 112  | 111  | 112  | 113  | 111  | 113  |

a/ 313 includes 314

## PAKISTAN

**Supplier of information:**

Federal Bureau of Statistics, Statistics Division, Islamabad.

**Basic source of data:**

Census of manufacturing industries, jointly carried out by the Federal Bureau of Statistics, the provincial Directorates of Industries and Mineral Development and the Provincial Bureau of Statistics.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):**

Fiscal year ending 30 June of the year indicated.

**Scope:**

All factories with 5 or more persons engaged.

**Method of enumeration:**

Questionnaires distributed by mail with follow-up site visits as required.

**Adjusted for non-response:**

No.

**Concepts and definitions of variables:**

Number of employees refers to average daily employment, including persons employed through labour contractors.

Wages and salaries includes amounts paid to labour contractors.

Output is not adjusted for the cost of purchases of goods for resale without further processing.

The measure used for output and value added is the census concept.

**Related national publications:**

Census of Manufacturing Industries Report, Federal Bureau of Statistics, Islamabad.

## Pakistan

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note   | Number of employees |        |      |      | Note   | Wages and salaries paid to employees |        |      |      |
|--|------|--------------------------|------|------|------|--------|---------------------|--------|------|------|--------|--------------------------------------|--------|------|------|
|  |      | (numbers)                |      |      |      |        | (numbers)           |        |      |      |        | (million RUPEES)                     |        |      |      |
|  |      | 1985                     | 1987 | 1988 | 1989 |        | 1985                | 1987   | 1988 | 1989 |        | 1985                                 | 1987   | 1988 | 1989 |
| 311/2 Food Products                              |      | 848                      | 831  | 822  |      | 64300  | 68784               | 67239  |      |      | 1606.2 | 1912.4                               | 2116.6 |      |      |
| 3111 Slaughtering, preparing & preserving meat   |      |                          |      |      |      |        |                     |        |      |      |        |                                      |        |      |      |
| 3112 Dairy products                              |      | 14                       | 19   | 18   |      | 1357   | 2186                | 2271   |      |      | 33.6   | 67.1                                 | 76.4   |      |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 9                        | 11   | 9    |      | 416    | 571                 | 336    |      |      | 8.8    | 13.0                                 | 8.2    |      |      |
| 3114 Canning, preserving and processing of fish  |      | 9                        | 11   | 8    |      | 234    | 479                 | 368    |      |      | 6.3    | 11.9                                 | 11.6   |      |      |
| 3115 Vegetable and animal oils and fats          |      | 193                      | 179  | 173  |      | 13972  | 16024               | 14642  |      |      | 438.6  | 636.0                                | 679.8  |      |      |
| 3116 Grain mill products                         |      | 396                      | 385  | 401  |      | 6668   | 7102                | 7749   |      |      | 96.4   | 118.1                                | 141.6  |      |      |
| 3117 Bakery products                             |      | 46                       | 58   | 52   |      | 3011   | 4420                | 4266   |      |      | 56.7   | 89.2                                 | 101.6  |      |      |
| 3118 Sugar factories and refineries              |      | 38                       | 39   | 40   |      | 32719  | 31571               | 31663  |      |      | 713.9  | 847.6                                | 963.6  |      |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 12                       | 13   | 14   |      | 869    | 734                 | 904    |      |      | 17.9   | 14.3                                 | 27.6   |      |      |
| 3121 Other food products                         |      | 112                      | 93   | 84   |      | 4238   | 4739                | 4021   |      |      | 121.0  | 191.7                                | 147.4  |      |      |
| 3122 Prepared animal feeds                       |      | 19                       | 23   | 23   |      | 812    | 968                 | 1132   |      |      | 17.2   | 24.6                                 | 28.9   |      |      |
| 313 Beverages                                    |      | 51                       | 50   | 52   |      | 6500   | 4908                | 5633   |      |      | 116.3  | 131.0                                | 164.9  |      |      |
| 3131 Distilling, rectifying and blending spirits |      |                          |      |      |      |        |                     |        |      |      |        |                                      |        |      |      |
| 3132 Wine industries                             |      |                          |      |      |      |        |                     |        |      |      |        |                                      |        |      |      |
| 3133 Malt liquors and malt                       |      |                          |      |      |      |        |                     |        |      |      |        |                                      |        |      |      |
| 3134 Soft drinks and carbonated waters           |      |                          |      |      |      |        |                     |        |      |      |        |                                      |        |      |      |
| 314 Tobacco                                      |      | 18                       | 19   | 16   |      | 9900   | 9110                | 8702   |      |      | 197.4  | 197.5                                | 231.9  |      |      |
| 321 Textiles                                     |      | 1198                     | 1263 | 1347 |      | 189100 | 197482              | 181589 |      |      | 2641.6 | 3667.6                               | 3828.6 |      |      |
| 3211 Spinning, weaving and finishing textiles    |      | 979                      | 1036 | 1121 |      | 179719 | 186638              | 170910 |      |      | 2447.8 | 3270.2                               | 3469.9 |      |      |
| 3212 Made-up textile goods excl. wearing apparel |      | 25                       | 29   | 24   |      | 1124   | 1842                | 1782   |      |      | 20.6   | 36.8                                 | 45.6   |      |      |
| 3213 Knitting mills                              |      | 109                      | 123  | 116  |      | 3687   | 4627                | 4680   |      |      | 84.9   | 167.7                                | 196.6  |      |      |
| 3214 Carpets and rugs                            |      | 26                       | 23   | 29   |      | 2076   | 2131                | 1862   |      |      | 32.8   | 36.6                                 | 39.8   |      |      |
| 3215 Cordage, rope and twine                     |      | 5                        | 3    | 3    |      | 160    | 94                  | 98     |      |      | 4.0    | 2.6                                  | 2.9    |      |      |
| 3219 Other textiles                              |      | 54                       | 49   | 54   |      | 2299   | 2260                | 2267   |      |      | 61.3   | 66.8                                 | 84.6   |      |      |
| 322 Wearing apparel, except footwear             |      | 55                       | 94   | 106  |      | 6900   | 11621               | 11982  |      |      | 134.6  | 268.8                                | 311.4  |      |      |
| 323 Leather and fur products                     |      | 73                       | 83   | 86   |      | 4600   | 6304                | 6530   |      |      | 90.0   | 143.8                                | 166.8  |      |      |
| 3231 Tanneries and leather finishing             |      | 67                       | 76   | 80   |      | 4421   | 6771                | 6319   |      |      | 88.0   | 133.6                                | 161.1  |      |      |
| 3232 Fur dressing and dyeing industries          |      |                          |      |      |      |        |                     |        |      |      |        |                                      |        |      |      |
| 3233 Leather prods. excl. wearing apparel        |      | 6                        | 7    | 6    |      | 143    | 533                 | 211    |      |      | 2.0    | 10.2                                 | 6.8    |      |      |
| 324 Footwear, except rubber or plastic           |      | 20                       | 33   | 36   |      | 900    | 5080                | 6161   |      |      | 16.2   | 184.0                                | 204.0  |      |      |
| 331 Wood products, except furniture              |      | 29                       | 33   | 38   |      | 2100   | 3274                | 3226   |      |      | 37.9   | 66.4                                 | 78.2   |      |      |
| 3311 Sawmills, planing and other wood mills      |      | 25a/                     | 30a/ | 32a/ |      | 1890a/ | 3128a/              | 3129a/ |      |      | 36.3a/ | 64.1a/                               | 76.6a/ |      |      |
| 3312 Wooden and cane containers                  |      | a/                       | a/   | a/   |      | a/     | a/                  | a/     |      |      | a/     | a/                                   | a/     |      |      |
| 3319 Other wood and cork products                |      | 4                        | 3    | 6    |      | 210    | 146                 | 97     |      |      | 2.6    | 2.3                                  | 1.6    |      |      |
| 332 Furniture and fixtures, excl. metal          |      | 50                       | 53   | 54   |      | 1800   | 1842                | 1636   |      |      | 29.3   | 32.6                                 | 33.8   |      |      |
| 341 Paper and products                           |      | 47                       | 47   | 56   |      | 8000   | 6814                | 9271   |      |      | 170.1  | 180.1                                | 246.6  |      |      |
| 3411 Pulp, paper and paperboard articles         |      | 13                       | 13   | 16   |      | 3100   | 2626                | 4441   |      |      | 53.3   | 66.4                                 | 93.1   |      |      |
| 3412 Containers of paper and paperboard          |      | 20                       | 20   | 23   |      | 4300   | 3647                | 3727   |      |      | 100.8  | 106.7                                | 126.1  |      |      |
| 3419 Other pulp, paper and paperboard articles   |      | 14                       | 14   | 17   |      | 600    | 542                 | 1103   |      |      | 16.0   | 17.0                                 | 28.3   |      |      |
| 342 Printing and publishing                      |      | 137                      | 148  | 161  |      | 9600   | 10999               | 11604  |      |      | 200.8  | 338.8                                | 403.1  |      |      |
| 351 Industrial chemicals                         |      | 93                       | 97   | 94   |      | 17100  | 18031               | 16046  |      |      | 667.1  | 862.6                                | 881.2  |      |      |
| 3511 Basic chemicals excl. fertilizers           |      | 53                       | 55   | 53   |      | 6900   | 7994                | 6711   |      |      | 230.8  | 263.0                                | 260.8  |      |      |
| 3512 Fertilizers and pesticides                  |      | 25                       | 26   | 26   |      | 8996   | 8620                | 9076   |      |      | 374.9  | 627.1                                | 616.0  |      |      |
| 3513 Synthetic resins and plastic materials      |      | 15                       | 16   | 15   |      | 1200   | 1417                | 1269   |      |      | 61.4   | 62.6                                 | 64.4   |      |      |
| 352 Other chemicals                              |      | 281                      | 301  | 296  |      | 22300  | 27316               | 26660  |      |      | 729.6  | 1061.4                               | 1219.8 |      |      |
| 3521 Paints, varnishes and lacquers              |      | 27                       | 28   | 28   |      | 1643   | 1446                | 1729   |      |      | 67.0   | 71.8                                 | 66.6   |      |      |
| 3522 Drugs and medicines                         |      | 119                      | 133  | 129  |      | 14668  | 14176               | 15204  |      |      | 609.7  | 643.4                                | 626.4  |      |      |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      | 94                       | 103  | 101  |      | 3809   | 5923                | 6463   |      |      | 106.8  | 244.8                                | 215.2  |      |      |
| 3529 Other chemical products                     |      | 41                       | 37   | 37   |      | 2240   | 6772                | 3294   |      |      | 67.0   | 91.4                                 | 116.6  |      |      |
| 353 Petroleum refineries                         |      | 3                        | 3    | 3    |      | 2900   | 2618                | 2448   |      |      | 101.9  | 161.2                                | 178.7  |      |      |

|   |      |      |      |         |         |         |         |         |         |
|---|------|------|------|---------|---------|---------|---------|---------|---------|
| 354 Misc petroleum and coal products            | 12   | 16   | 15   | 1100    | 668     | 639     | 22 4    | 23 4    | 27 8    |
| 355 Rubber products                             | 49   | 50   | 49   | 10200   | 7054    | 8227    | 214 3   | 179 8   | 206 1   |
| 3551 Tyres and tubes                            | 11   | 11   | 13   | 1392    | 1773    | 2657    | 51 9    | 75 8    | 85 1    |
| 3559 Other rubber products                      | 38   | 39   | 36   | 8850    | 5281    | 5660    | 162 4   | 103 9   | 119 9   |
| 356 Plastic products                            | 48   | 64   | 64   | 4000    | 4452    | 4038    | 96 4    | 119 3   | 112 9   |
| 361 Pottery, china, earthenware                 | 18   | 17   | 25   | 2700    | 2061    | 4192    | 39 6    | 49 6    | 85 6    |
| 362 Glass and products                          | 29   | 28   | 27   | 4000    | 5515    | 4957    | 75 2    | 134 7   | 141 9   |
| 369 Other non-metallic mineral products         | 96   | 100  | 111  | 15800   | 19170   | 19212   | 554 3   | 811 8   | 909 8   |
| 3691 Structural clay products                   | 28   | 32   | 34   | 2075    | 2628    | 2771    | 37 3    | 57 7    | 74 1    |
| 3692 Cement, lime and plaster                   | 68b/ | 68b/ | 77b/ | 13725b/ | 16542b/ | 16441h/ | 617 0b/ | 754 1b/ | 835 7b/ |
| 3699 Other non-metallic mineral products        | b/   | b/   | b/   | b/      | b/      | b/      | b/      | b/      | b/      |
| 371 Iron and steel                              | 186  | 198  | 218  | 39800   | 41992   | 38711   | 1087 1  | 1763 2  | 1731 6  |
| 372 Non-ferrous metals                          | 10   | 8    | 11   | 400     | 389     | 404     | 7 9     | 11 6    | 11 8    |
| 381 Fabricated metal products                   | 252  | 256  | 260  | 8600    | 9234    | 9104    | 151 7   | 220 0   | 237 1   |
| 3811 Cutlery, hand tools and general hardware   | 19   | 20   | 23   | 915     | 968     | 1047    | 30 4    | 40 1    | 46 0    |
| 3812 Furniture and fixtures primarily of metal  | 11   | 7    | 11   | 180     | 87      | 154     | 3 1     | 2 5     | 4 2     |
| 3813 Structural metal products                  | 3    | 3    | 3    | 300     | 283     | 268     | 6 5     | 8 3     | 10 3    |
| 3819 Other fabricated metal products            | 219  | 226  | 223  | 7168    | 7896    | 7635    | 111 7   | 169 1   | 176 6   |
| 382 Non-electrical machinery                    | 376  | 360  | 367  | 18500   | 18743   | 18414   | 434 3   | 536 3   | 560 5   |
| 3821 Engines and turbines                       | 34   | 19   | 19   | 340     | 240     | 221     | 2 6     | 2 6     | 2 5     |
| 3822 Agricultural machinery and equipment       | 189  | 179  | 179  | 5478    | 5003    | 5137    | 120 0   | 134 1   | 162 2   |
| 3823 Metal and wood working machinery           | 11   | 10   | 12   | 2651    | 2932    | 3023    | 90 5    | 104 2   | 92 0    |
| 3824 Other special industrial machinery         | 67   | 78   | 74   | 5773    | 6106    | 6103    | 131 8   | 176 0   | 182 8   |
| 3825 Office, computing and accounting machinery | 75c/ | 74c/ | 83c/ | 4232c/  | 4462c/  | 3930c/  | 89 3c/  | 119 4c/ | 121 0c/ |
| 3829 Other non-electrical machinery & equipment | c/   | c/   | c/   | c/      | c/      | c/      | c/      | c/      | c/      |
| 383 Electrical machinery                        | 199  | 178  | 191  | 17700   | 19135   | 20273   | 420 2   | 632 1   | 741 8   |
| 3831 Electrical industrial machinery            | 39   | 34   | 27   | 4055    | 4783    | 4916    | 102 4   | 201 9   | 220 8   |
| 3832 Radio, television and communication equipm | 18   | 21   | 18   | 5293    | 6054    | 6237    | 140 5   | 210 2   | 251 7   |
| 3833 Electrical appliances and housewares       | 87   | 74   | 87   | 2588    | 2808    | 3351    | 35 9    | 54 9    | 71 7    |
| 3839 Other electrical apparatus and supplies    | 54   | 49   | 59   | 5759    | 5490    | 5759    | 141 5   | 165 1   | 197 7   |
| 384 Transport equipment                         | 120  | 136  | 140  | 19400   | 21222   | 22783   | 537 9   | 712 4   | 881 9   |
| 3841 Shipbuilding and repairing                 | 3    | 4    | 4    | 4420    | 4235    | 4473    | 100 3   | 155 4   | 173 2   |
| 3842 Railroad equipment                         | 3    | -    | -    | 1759    | -       | -       | 14 4    | -       | -       |
| 3843 Motor vehicles                             | 55   | 66   | 68   | 8085    | 10507   | 7801    | 345 1   | 428 7   | 409 7   |
| 3844 Motorcycles and bicycles                   | 26   | 25   | 28   | 4530    | 4329    | 8681    | 58 6    | 100 8   | 273 1   |
| 3845 Aircraft                                   | -    | -    | -    | -       | -       | -       | -       | -       | -       |
| 3849 Other transport equipment                  | 33   | 41   | 40   | 570     | 2150    | 1628    | 9 5     | 27 5    | 25 9    |
| 385 Professional and scientific equipment       | 57   | 55   | 55   | 2822    | 3149    | 3052    | 58 9    | 60 5    | 88 4    |
| 3851 Prof and scientific equipment n e c        | -    | -    | -    | -       | -       | -       | -       | -       | -       |
| 3852 Photographic and optical goods             | -    | -    | -    | -       | -       | -       | -       | -       | -       |
| 3853 Watches and clocks                         | -    | -    | -    | -       | -       | -       | -       | -       | -       |
| 390 Other manufacturing industries              | 69   | 73   | 67   | 3100    | 3468    | 4038    | 54 7    | 67 6    | 90 7    |
| 3901 Jewellery and related articles             | 5a/  | 3a/  | 5a/  | 110d/   | 241h/   | 39d/    | 1 2a/   | 4 6d/   | 0 7d/   |
| 3902 Musical instruments                        | d/   | d/   | d/   | d/      | d/      | d/      | d/      | d/      | d/      |
| 3903 Sporting and athletic goods                | 27   | 28   | 30   | 937     | 1445    | 1378    | 20 1    | 31 7    | 39 7    |
| 3909 Manufacturing industries, n e c            | 37   | 42   | 32   | 2062    | 1782    | 2621    | 33 4    | 31 3    | 50 3    |
| 3 Total manufacturing                           | 4423 | 4594 | 4753 | 493022  | 530335  | 514980  | 10390 8 | 14391 3 | 15892 2 |

a/ 3311 includes 3312  
c/ 3825 includes 3829

b/ 3692 includes 3699  
d/ 3901 includes 3902

## Pakistan

## Output in producers' prices

(million RUPEES)

| ISIC Industry                                    | Note | Output in producers' prices |         |         | 1989 |
|--|------|-----------------------------|---------|---------|------|
|  |      | 1985                        | 1987    | 1988    |      |
| 311/2 Food Products                              |      | 31183 0                     | 36682 4 | 43791 0 |      |
| 3111 Slaughtering, preparing & preserving meat   |      |                             |         |         |      |
| 3112 Dairy products                              |      | 415 6                       | 1056 9  | 1085 7  |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 130 4                       | 182 6   | 118 3   |      |
| 3114 Canning, preserving and processing of fish  |      | 206 4                       | 862 8   | 877 0   |      |
| 3115 Vegetable and animal oils and fats          |      | 11421 0                     | 12303 9 | 13601 8 |      |
| 3116 Grain mill products                         |      | 5491 8                      | 5873 8  | 7753 2  |      |
| 3117 Bakery products                             |      | 490 3                       | 902 7   | 1003 4  |      |
| 3118 Sugar factories and refineries              |      | 9788 9                      | 10003 5 | 13515 9 |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 394 8                       | 269 0   | 780 8   |      |
| 3121 Other food products                         |      | 2020 7                      | 4259 7  | 3943 3  |      |
| 3122 Prepared animal feeds                       |      | 823 2                       | 967 6   | 1111 7  |      |
| 313 Beverages                                    |      | 1986 0                      | 1931 9  | 2379 2  |      |
| 3131 Distilling, rectifying and blending spirits |      |                             |         |         |      |
| 3132 Wine industries                             |      |                             |         |         |      |
| 3133 Malt liquors and malt                       |      |                             |         |         |      |
| 3134 Soft drinks and carbonated waters           |      |                             |         |         |      |
| 314 Tobacco                                      |      | 7498 0                      | 11464 9 | 9073 9  |      |
| 321 Textiles                                     |      | 35889 0                     | 44973 0 | 52455 8 |      |
| 3211 Spinning, weaving and finishing textiles    |      | 32381 0                     | 41411 6 | 47323 6 |      |
| 3212 Made-up textile goods excl wearing apparel  |      | 264 5                       | 544 5   | 672 6   |      |
| 3213 Knitting mills                              |      | 1738 2                      | 1843 1  | 2522 7  |      |
| 3214 Carpets and rugs                            |      | 328 4                       | 387 0   | 540 1   |      |
| 3215 Cordage, rope and twine                     |      | 79 4                        | 15 2    | 22 6    |      |
| 3219 Other textiles                              |      | 1097 0                      | 772 0   | 1374 1  |      |
| 322 Wearing apparel, except footwear             |      | 1553 0                      | 2829 6  | 4152 0  |      |
| 323 Leather and fur products                     |      | 2971 0                      | 4920 1  | 6027 4  |      |
| 3231 Tanneries and leather finishing             |      | 2947 3                      | 4810 2  | 5963 3  |      |
| 3232 Fur dressing and dyeing industries          |      |                             |         |         |      |
| 3233 Leather prods excl wearing apparel          |      | 24 1                        | 109 9   | 64 2    |      |
| 324 Footwear, except rubber or plastic           |      | 245 0                       | 1272 6  | 1524 9  |      |
| 331 Wood products, except furniture              |      | 354 0                       | 469 1   | 661 8   |      |
| 3311 Sawmills, planing and other wood mills      |      | 333 0a/                     | 445 5a/ | 651 0a/ |      |
| 3312 Wooden and cane containers                  |      | a/                          | a/      | a/      |      |
| 3319 Other wood and cork products                |      | 21 0                        | 23 6    | 10 8    |      |
| 332 Furniture and fixtures, excl metal           |      | 238 0                       | 260 6   | 304 9   |      |
| 341 Paper and products                           |      | 1659 0                      | 1777 0  | 2951 6  |      |
| 3411 Pulp, paper and paperboard articles         |      | 435 0                       | 465 8   | 1131 8  |      |
| 3412 Containers of paper and paperboard          |      | 962 0                       | 1031 4  | 1332 4  |      |
| 3419 Other pulp, paper and paperboard articles   |      | 262 0                       | 279 7   | 487 4   |      |
| 342 Printing and publishing                      |      | 1416 0                      | 1833 8  | 1947 4  |      |
| 351 Industrial chemicals                         |      | 8888 0                      | 11328 4 | 11483 7 |      |
| 3511 Basic chemicals excl fertilizers            |      | 1701 0                      | 2092 8  | 2100 4  |      |
| 3512 Fertilizers and pesticides                  |      | 6053 1                      | 7829 8  | 7658 4  |      |
| 3513 Synthetic resins and plastic materials      |      | 1134 0                      | 1405 8  | 1724 9  |      |
| 352 Other chemicals                              |      | 8867 0                      | 11944 8 | 13407 6 |      |
| 3521 Paints, varnishes and lacquers              |      | 846 7                       | 1030 9  | 963 1   |      |
| 3522 Drugs and medicines                         |      | 4944 1                      | 5906 9  | 7532 5  |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 2227 4                      | 3883 7  | 3737 2  |      |
| 3529 Other chemical products                     |      | 848 4                       | 1123 4  | 1174 7  |      |
| 353 Petroleum refineries                         |      | 19169 0                     | 17545 5 | 19852 1 |      |

## Value added in producers' prices

(million RUPEES)

| ISIC Industry                                    | Note | Value added in producers' prices |         |         | 1989 | Share of value added in output (percentage) |      | Share of wages and salaries in value added (percentage) |      |
|--|------|----------------------------------|---------|---------|------|---|------|---|------|
|  |      | 1985                             | 1987    | 1988    |      | 1985  | 1989 | 1985  | 1989 |
| 311/2 Food Products                              |      | 9236 0                           | 9374 6  | 11854 1 |      | 29 6  |      | 16 3  |      |
| 3111 Slaughtering, preparing & preserving meat   |      |                                  |         |         |      |   |      |   |      |
| 3112 Dairy products                              |      | 145 9                            | 346 4   | 316 3   |      | 35 1  |      | 23 0  |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 70 3                             | 65 1    | 33 9    |      | 63 9  |      | 12 5  |      |
| 3114 Canning, preserving and processing of fish  |      | 19 3                             | 83 9    | 68 9    |      | 9 3   |      | 27 6  |      |
| 3115 Vegetable and animal oils and fats          |      | 2585 4                           | 2168 3  | 2212 6  |      | 22 6  |      | 16 9  |      |
| 3116 Grain mill products                         |      | 434 8                            | 374 7   | 655 9   |      | 7 9   |      | 21 9  |      |
| 3117 Bakery products                             |      | 153 9                            | 334 0   | 338 2   |      | 31 4  |      | 36 2  |      |
| 3118 Sugar factories and refineries              |      | 5296 6                           | 4702 5  | 6809 4  |      | 64 1  |      | 13 5  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 92 7                             | 79 4    | 347 7   |      | 23 5  |      | 19 4  |      |
| 3121 Other food products                         |      | 320 9                            | 1102 1  | 926 0   |      | 15 9  |      | 37 7  |      |
| 3122 Prepared animal feeds                       |      | 116 5                            | 138 3   | 145 2   |      | 14 2  |      | 14 8  |      |
| 313 Beverages                                    |      | 1176 0                           | 1025 7  | 1333 3  |      | 69 2  |      | 9 8   |      |
| 3131 Distilling, rectifying and blending spirits |      |                                  |         |         |      |   |      |   |      |
| 3132 Wine industries                             |      |                                  |         |         |      |   |      |   |      |
| 3133 Malt liquors and malt                       |      |                                  |         |         |      |   |      |   |      |
| 3134 Soft drinks and carbonated waters           |      |                                  |         |         |      |   |      |   |      |
| 314 Tobacco                                      |      | 5920 0                           | 9776 0  | 7487 4  |      | 79 0  |      | 3 3   |      |
| 321 Textiles                                     |      | 8949 0                           | 11518 7 | 13986 2 |      | 24 9  |      | 29 6  |      |
| 3211 Spinning, weaving and finishing textiles    |      | 7672 9                           | 10770 7 | 12662 3 |      | 23 7  |      | 31 9  |      |
| 3212 Made-up textile goods excl wearing apparel  |      | 38 5                             | 75 3    | 106 9   |      | 14 5  |      | 63 3  |      |
| 3213 Knitting mills                              |      | 923 3                            | 357 8   | 732 4   |      | 63 1  |      | 9 2   |      |
| 3214 Carpets and rugs                            |      | 123 3                            | 129 5   | 156 2   |      | 37 5  |      | 26 6  |      |
| 3215 Cordage, rope and twine                     |      | 19 7                             | 5 8     | 7 4     |      | 24 8  |      | 20 6  |      |
| 3219 Other textiles                              |      | 171 2                            | 179 6   | 321 1   |      | 15 6  |      | 30 0  |      |
| 322 Wearing apparel, except footwear             |      | 284 0                            | 616 1   | 1166 8  |      | 18 3  |      | 47 4  |      |
| 323 Leather and fur products                     |      | 553 0                            | 393 0   | 446 2   |      | 18 6  |      | 15 3  |      |
| 3231 Tanneries and leather finishing             |      | 547 0                            | 355 0   | 430 5   |      | 18 6  |      | 16 1  |      |
| 3232 Fur dressing and dyeing industries          |      |                                  |         |         |      |   |      |   |      |
| 3233 Leather prods excl wearing apparel          |      | 6 6                              | 38 5    | 16 8    |      | 27 2  |      | 30 6  |      |
| 324 Footwear, except rubber or plastic           |      | 48 0                             | 333 4   | 544 8   |      | 19 6  |      | 31 7  |      |
| 331 Wood products, except furniture              |      | 144 0                            | 137 3   | 253 5   |      | 40 7  |      | 25 3  |      |
| 3311 Sawmills, planing and other wood mills      |      | 135 0a/                          | 129 3a/ | 250 6a/ |      | 40 5  |      | 26 1  |      |
| 3312 Wooden and cane containers                  |      | a/                               | a/      | a/      |      |   |      |   |      |
| 3319 Other wood and cork products                |      | 9 0                              | 8 0     | 2 9     |      | 42 9  |      | 28 9  |      |
| 332 Furniture and fixtures, excl metal           |      | 89 0                             | 80 4    | 89 4    |      | 37 4  |      | 32 9  |      |
| 341 Paper and products                           |      | 526 0                            | 592 3   | 827 7   |      | 31 7  |      | 32 3  |      |
| 3411 Pulp, paper and paperboard articles         |      | 114 0                            | 128 1   | 260 2   |      | 26 2  |      | 46 8  |      |
| 3412 Containers of paper and paperboard          |      | 352 0                            | 397 2   | 465 6   |      | 36 6  |      | 28 6  |      |
| 3419 Other pulp, paper and paperboard articles   |      | 60 0                             | 66 9    | 100 9   |      | 22 9  |      | 26 7  |      |
| 342 Printing and publishing                      |      | 573 0                            | 758 0   | 706 9   |      | 40 5  |      | 35 0  |      |
| 351 Industrial chemicals                         |      | 4469 0                           | 5388 0  | 5185 1  |      | 50 3  |      | 14 9  |      |
| 3511 Basic chemicals excl fertilizers            |      | 865 1                            | 1067 0  | 929 0   |      | 50 9  |      | 26 7  |      |
| 3512 Fertilizers and pesticides                  |      | 3160 7                           | 3774 8  | 3530 9  |      | 62 2  |      | 11 9  |      |
| 3513 Synthetic resins and plastic materials      |      | 443 5                            | 546 2   | 725 3   |      | 39 1  |      | 13 8  |      |
| 352 Other chemicals                              |      | 3666 0                           | 4446 3  | 5400 7  |      | 41 3  |      | 19 9  |      |
| 3521 Paints, varnishes and lacquers              |      | 368 5                            | 406 7   | 350 0   |      | 43 5  |      | 15 5  |      |
| 3522 Drugs and medicines                         |      | 2065 1                           | 2342 8  | 2802 5  |      | 41 6  |      | 24 8  |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 921 3                            | 1294 5  | 1787 8  |      | 41 4  |      | 11 5  |      |
| 3529 Other chemical products                     |      | 321 0                            | 402 2   | 460 3   |      | 37 8  |      | 17 8  |      |
| 353 Petroleum refineries                         |      | 719 0                            | 5539 0  | 4378 6  |      | 3 8   |      | 14 2  |      |

|   |          |          |          |          |          |          |      |      |
|---|----------|----------|----------|----------|----------|----------|------|------|
| 354 Misc petroleum and coal products            | 1138 0   | 1304 9   | 1419 7   | 268 0    | 337 8    | 550 1    | 23 6 | 8 4  |
| 355 Rubber products                             | 2025 0   | 1874 1   | 2039 7   | 648 0    | 709 4    | 695 1    | 32 0 | 33 1 |
| 3551 Tyres and tubes                            | 697 7    | 1047 0   | 1141 6   | 186 6    | 451 4    | 409 8    | 26 8 | 27 8 |
| 3559 Other rubber products                      | 1326 8   | 827 1    | 898 1    | 461 5    | 258 1    | 285 3    | 34 8 | 36 2 |
| 356 Plastic products                            | 995 0    | 1301 9   | 1340 6   | 327 0    | 398 4    | 343 7    | 32 9 | 29 5 |
| 361 Pottery, china, earthenware                 | 272 0    | 326 5    | 472 8    | 120 0    | 174 2    | 261 2    | 44 1 | 33 0 |
| 362 Glass and products                          | 589 0    | 903 6    | 1109 7   | 272 0    | 383 2    | 508 9    | 46 2 | 27 6 |
| 369 Other non-metallic mineral products         | 5795 0   | 8785 0   | 10140 1  | 3167 0   | 5203 0   | 5710 6   | 54 7 | 17 5 |
| 3691 Structural clay products                   | 267 9    | 447 8    | 499 9    | 163 1    | 264 6    | 284 0    | 50 9 | 27 9 |
| 3692 Cement, lime and plaster                   | 5527 b/  | 8337 2b/ | 9640 3b/ | 3004 0b/ | 4938 4b/ | 5426 6b/ | 54 4 | 17 2 |
| 3699 Other non-metallic mineral products        | b/       | b/       | b/       | b/       | b/       | b/       |      |      |
| 371 Iron and steel                              | 10814 0  | 13662 2  | 16112 4  | 5441 0   | 5060 6   | 4826 9   | 50 3 | 20 0 |
| 372 Non-ferrous metals                          | 28 0     | 59 1     | 75 1     | 12 0     | 27 9     | 20 1     | 42 9 | 66 8 |
| 381 Fabricated metal products                   | 1318 0   | 1728 9   | 2108 4   | 523 0    | 564 0    | 770 1    | 39 7 | 29 0 |
| 3811 Cutlery, hand tools and general hardware   | 154 5    | 184 5    | 238 8    | 91 2     | 86 3     | 119 7    | 59 0 | 33 3 |
| 3812 Furniture and fixtures primarily of metal  | 26 2     | 19 6     | 38 1     | 8 3      | 6 5      | 9 8      | 31 8 | 37 6 |
| 3813 Structural metal products                  | 31 1     | 25 4     | 32 5     | 11 5     | 16 1     | 16 9     | 37 1 | 56 6 |
| 3819 Other fabricated metal products            | 1106 0   | 1499 4   | 1799 0   | 411 6    | 455 1    | 623 7    | 37 2 | 27 1 |
| 382 Non-electrical machinery                    | 5343 0   | 5540 2   | 5562 3   | 1269 0   | 1262 7   | 1318 9   | 23 8 | 34 2 |
| 3821 Engines and turbines                       | 19 5     | 16 4     | 17 7     | 6 9      | 5 2      | 6 4      | 36 4 | 38 4 |
| 3822 Agricultural machinery and equipment       | 3663 8   | 3282 5   | 3558 0   | 534 8    | 465 3    | 659 5    | 14 6 | 22 4 |
| 3823 Metal and wood working machinery           | 223 7    | 262 1    | 246 4    | 174 9    | 157 9    | 136 4    | 78 2 | 61 7 |
| 3824 Other special industrial machinery         | 936 4    | 1291 2   | 974 6    | 329 7    | 584 8    | 251 0    | 36 2 | 40 0 |
| 3825 Office, computing and accounting machinery | 499 8c/  | 688 0c/  | 765 6c/  | 222 6c/  | 259 5c/  | 266 6c/  | 44 5 | 40 1 |
| 3829 Other non-electrical machinery & equipment | c/       | c/       | c/       | c/       | c/       | c/       |      |      |
| 383 Electrical machinery                        | 4658 0   | 7055 3   | 3668 2   | 1658 0   | 1701 7   | 2427 6   | 33 4 | 27 0 |
| 3831 Electrical industrial machinery            | 1016 9   | 1619 7   | 1656 1   | 431 5    | 356 7    | 476 6    | 42 4 | 23 7 |
| 3832 Radio, television and communication equipm | 1585 0   | 2354 1   | 2830 4   | 332 6    | 476 1    | 681 0    | 21 0 | 42 2 |
| 3833 Electrical appliances and housewares       | 448 6    | 570 8    | 1105 4   | 180 4    | 144 4    | 329 6    | 40 2 | 19 9 |
| 3839 Other electrical apparatus and supplies    | 1617 6   | 2510 7   | 3066 3   | 613 3    | 724 5    | 940 4    | 37 9 | 23 1 |
| 384 Transport equipment                         | 5505 0   | 7627 0   | 10194 9  | 1324 0   | 1596 3   | 2706 3   | 24 1 | 40 6 |
| 3841 Shipbuilding and repairing                 | 224 1    | 301 7    | 390 7    | 91 4     | 146 8    | 175 9    | 40 8 | 33 8 |
| 3842 Railroad equipment                         | 58 3     |          |          | 19 7     |          |          | 33 8 | 73 1 |
| 3843 Motor vehicles                             | 4051 4   | 5676 3   | 7012 3   | 980 5    | 1155 9   | 1914 6   | 24 2 | 35 2 |
| 3844 Motorcycles and bicycles                   | 1110 9   | 1497 3   | 2673 5   | 209 2    | 245 4    | 572 7    | 18 8 | 32 8 |
| 3845 Aircraft                                   |          |          |          |          |          |          |      |      |
| 3849 Other transport equipment                  | 60 6     | 151 6    | 118 3    | 23 5     | 48 2     | 43 1     | 38 7 | 40 6 |
| 385 Professional and scientific equipment       | 443 0    | 492 7    | 705 7    | 101 0    | 90 1     | 202 0    | 22 8 | 58 3 |
| 3851 Prof and scientific equipment n e c        |          |          |          |          |          |          |      |      |
| 3852 Photographic and optical goods             |          |          |          |          |          |          |      |      |
| 3853 Watches and clocks                         |          |          |          |          |          |          |      |      |
| 390 Other manufacturing industries              | 539 0    | 661 5    | 923 3    | 169 0    | 197 8    | 308 0    | 31 4 | 32 4 |
| 3901 Jewellery and related articles             | 14 8d/   | 36 7a/   | 15 9d/   | 3 4d/    | 10 8a/   | 2 3d/    | 23 2 | 34 6 |
| 3902 Musical instruments                        | d/       | d/       | d/       | d/       | d/       | d/       |      |      |
| 3903 Sporting and athletic goods                | 252 0    | 374 8    | 517 9    | 56 6     | 103 9    | 140 9    | 22 4 | 36 5 |
| 3909 Manufacturing industries, n e c            | 272 6    | 250 1    | 389 5    | 109 3    | 83 1     | 164 9    | 40 1 | 30 6 |
| 3 Total manufacturing                           | 161388 0 | 200556 6 | 230885 9 | 51551 0  | 67671 0  | 74310 3  | 31 9 | 20 2 |

a/ 3311 includes 3312  
c/ 3825 includes 3829

b/ 3692 includes 3699  
d/ 3901 includes 3902

## Pakistan

| ISIC Industry                             | Note | Gross fixed capital formation |         |         |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|---------|---------|------|------|--|------|------|------|------|------|------|------|
|   |      | (million RUPEES)              |         |         |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1987    | 1988    | 1989 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                               | 1132 0  | 1498 0  |      |      |  |      |      |      |      |      |      |      |
| 313 Beverages                             |      |                               | 238 0   | 106 0   |      |      |  |      |      |      |      |      |      |      |
| 314 Tobacco                               |      |                               | 45 0    | 167 0   |      | 111  | 108                                    | 110  | 108  | 98   | 88   | 88   | 79   | 88   |
| 321 Textiles                              |      |                               | 2577 0  | 3787 0  |      | 79   | 77                                     | 72   | 76   | 79   | 85   | 86   | 90   | 92   |
| 322 Wearing apparel, except footwear      |      |                               | 130 0   | 103 0   |      |      |  |      |      |      |      |      |      |      |
| 323 Leather and fur products              |      |                               | 171 0   | 192 0   |      |      |  |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      |                               | 44 0    | 69 0    |      |      |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      |                               | 129 0   | 19 0    |      |      |  |      |      |      |      |      |      |      |
| 332 Furniture and fixtures, excl metal    |      |                               | 32 0    | 6 0     |      |      |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      |                               | 148 0   | 252 0   |      | 116  | 125                                    | 116  | 123  | 125  | 119  | 128  | 118  | 116  |
| 342 Printing and publishing               |      |                               | 110 0   | 293 0   |      | 118  | 121                                    | 89   | 89   | 104  | 243  |      |      |      |
| 351 Industrial chemicals                  |      |                               | 551 0   | 341 0   |      | 182  | 183                                    | 189  | 190  | 193  | 206  | 206  | 209  | 217  |
| 352 Other chemicals                       |      |                               | 646 0   | 692 0   |      |      |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      |                               | 46 0    | 66 0    |      |      |  |      |      |      |      |      |      |      |
| 354 Misc. petroleum and coal products     |      |                               | 7 0     | 7 0     |      |      |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      |                               | 68 0    | 53 0    |      |      |  |      |      |      |      |      |      |      |
| 356 Plastic products                      |      |                               | 61 0    | 63 0    |      |      |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      |                               | 18 0    | 17 0    |      |      |  |      |      |      |      |      |      |      |
| 362 Glass and products                    |      |                               | 179 0   | 56 0    |      |      |  |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      |                               | 1928 0  | 656 0   |      | 134  | 147                                    | 178  | 196  | 200  | 212  | 216  | 233  | 237  |
| 371 Iron and steel                        |      |                               | 1186 0  | 1035 0  |      |      |  |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |      |                               | 1 0     |         |      |      |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      |                               | 93 0    | 55 0    |      |      |  |      |      |      |      |      |      |      |
| 382 Non-electrical machinery              |      |                               | 124 0   | 173 0   |      |      |  |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      |                               | 563 0   | 385 0   |      |      |  |      |      |      |      |      |      |      |
| 384 Transport equipment                   |      |                               | 213 0   | 351 0   |      |      |  |      |      |      |      |      |      |      |
| 385 Professional and scientific equipment |      |                               | 33 0    | 24 0    |      |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      |                               | 35 0    | 37 0    |      |      |  |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      |                               | 10508 0 | 10403 0 |      |      |  |      |      |      |      |      |      |      |



## PANAMA

**Supplier of information:**

Dirección de Estadística y Censo, Contraloría General de la República, Panama.

**Basic source of data:**

Survey of manufacturing industries.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

Establishments with 5 or more persons engaged.

**Method of enumeration:**

Individual site visits by enumerators.

**Adjusted for non-response:**

No.

**Concepts and definitions of variables:**

Number of persons engaged refers to the average number of employees on the last days of February, May, August and November of the reference year, plus the number of working proprietors, unpaid family and other workers reported for 31 August.

Output is not adjusted for purchases of goods for resale without further processing.

**Related national publications:**

Estadística Panameña: Situación Económica, Industria (Encuesta) (annual), published by the Dirección de Estadística y Censo, Panama.

## Panama

| ISIC Industry                                    | Note | Number of establishments<br>(numbers) |      |      |      | Note | Number of employees<br>(numbers) |        |        |        | Note | Wages and salaries paid<br>to employees<br>(thousand BALBOAS) |       |       |       |
|--|------|---------------------------------------|------|------|------|------|----------------------------------|--------|--------|--------|------|---|-------|-------|-------|
|  |      | 1985                                  | 1987 | 1988 | 1989 |      | 1985                             | 1987a/ | 1988a/ | 1989a/ |      | 1985  | 1987  | 1988  | 1989  |
| 311/2 Food Products                              |      | 293                                   | 332  | 330  | 294  |      | 12485                            | 12388  | 11633  | 12723  |      | 63390   | 62392 | 59621 | 66410 |
| 3111 Slaughtering, preparing & preserving meat   |      | 23                                    | 25   | 25   | 25   |      | 1429                             | 1591   | 1586   | 1550   |      | 5864  | 5626  | 5076  | 6281  |
| 3112 Dairy products                              |      | 21                                    | 24   | 24   | 18   |      | 1274                             | 1390   | 1277   | 1241   |      | 9071  | 10369 | 10217 | 10120 |
| 3113 Canning, preserving of fruits & vegetables  |      | 7                                     | 6    | 6    | 7    |      | 944                              | 926    | 823    | 904    |      | 5010  | 4267  | 3611  | 5251  |
| 3114 Canning, preserving and processing of fish  |      | 12                                    | 11   | 11   | 11   |      | 1127                             | 929    | 815    | 946    |      | 5323  | 4280  | 3614  | 3673  |
| 3115 Vegetable and animal oils and fats          |      | 6                                     | 6    | 6    | 5    |      | 724                              | 543    | 552    | 587    |      | 6024  | 5372  | 4962  | 5073  |
| 3116 Grain mill products                         |      | 48                                    | 50   | 48   | 55   |      | 964                              | 1027   | 1011   | 1056   |      | 4383  | 5101  | 6529  | 4735  |
| 3117 Bakery products                             |      | 115                                   | 146  | 146  | 111  |      | 2564                             | 2974   | 2757   | 2866   |      | 10106   | 11671 | 10612 | 10464 |
| 3118 Sugar factories and refineries              |      | 5                                     | 5    | 5    | 4    |      | 1938                             | 1414   | 1340   | 2111   |      | 11110   | 8306  | 7938  | 13399 |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 6                                     | 6    | 6    | 5    |      | 200                              | 196    | 179    | 173    |      | 728   | 906   | 912   | 739   |
| 3121 Other food products                         |      | 38                                    | 43   | 43   | 41   |      | 1009                             | 1072   | 981    | 971    |      | 5101  | 5143  | 4685  | 5111  |
| 3122 Prepared animal feeds                       |      | 12                                    | 10   | 10   | 12   |      | 312                              | 326    | 312    | 318    |      | 1668  | 1551  | 1465  | 1664  |
| 313 Beverages                                    |      | 18                                    | 17   | 17   | 17   |      | 1754                             | 2036   | 1846   | 1662   |      | 11060   | 11712 | 10678 | 11639 |
| 3131 Distilling, rectifying and blending spirits |      | 8                                     | 8    | 8    | 8    |      | 624                              | 576    | 496    | 421    |      | 3598  | 2991  | 2270  | 2772  |
| 3132 Wine industries                             |      | -                                     | -    | -    | -    |      | -                                | -      | -      | -      |      | -   | -     | -     | -     |
| 3133 Malt liquors and malt                       |      | 4                                     | 4    | 4    | 4    |      | 775                              | 812    | 743    | 740    |      | 5254  | 6222  | 5391  | 5487  |
| 3134 Soft drinks and carbonated waters           |      | 6                                     | 5    | 5    | 5    |      | 455                              | 648    | 607    | 501    |      | 2208  | 3499  | 3017  | 3380  |
| 314 Tobacco                                      |      | 4                                     | 3    | 3    | 3    |      | 467                              | 443    | 422    | 422    |      | 5280  | 5388  | 5370  | 4881  |
| 321 Textiles                                     |      | 6                                     | 6    | 6    | 6    |      | 392                              | 408    | 386    | 400    |      | 1792  | 1898  | 1568  | 1710  |
| 3211 Spinning, weaving and finishing textiles    |      | 3                                     | 3    | 3    | 3    |      | 200                              | 199    | 191    | 187    |      | 962   | 949   | 797   | 893   |
| 3212 Made-up textile goods excl. wearing apparel |      | -                                     | -    | -    | -    |      | -                                | -      | -      | -      |      | -   | -     | -     | -     |
| 3213 Knitting mills                              |      | 3                                     | 3    | 3    | 3    |      | 192                              | 209    | 195    | 207    |      | 830   | 949   | 771   | 817   |
| 3214 Carpets and rugs                            |      | -                                     | -    | -    | -    |      | -                                | -      | -      | -      |      | -   | -     | -     | -     |
| 3215 Cordage, rope and twine                     |      | -                                     | -    | -    | -    |      | -                                | -      | -      | -      |      | -   | -     | -     | -     |
| 3219 Other textiles                              |      | -                                     | -    | -    | -    |      | -                                | -      | -      | -      |      | -   | -     | -     | -     |
| 322 Wearing apparel, except footwear             |      | 64                                    | 73   | 72   | 74   |      | 4256                             | 4612   | 4051   | 4055   |      | 15100   | 14862 | 11759 | 11224 |
| 323 Leather and fur products                     |      | 7                                     | 4    | 4    | 5    |      | 245                              | 209    | 196    | 194    |      | 1290  | 1183  | 1119  | 1123  |
| 3231 Tanneries and leather finishing             |      | 7                                     | 4    | 4    | 5    |      | 245                              | 209    | 196    | 194    |      | 1290  | 1183  | 1119  | 1123  |
| 3232 Fur dressing and dyeing industries          |      | -                                     | -    | -    | -    |      | -                                | -      | -      | -      |      | -   | -     | -     | -     |
| 3233 Leather prods. excl. wearing apparel        |      | -                                     | -    | -    | -    |      | -                                | -      | -      | -      |      | -   | -     | -     | -     |
| 324 Footwear, except rubber or plastic           |      | 17                                    | 17   | 17   | 14   |      | 1012                             | 967    | 816    | 646    |      | 4393  | 3660  | 2686  | 2041  |
| 331 Wood products, except furniture              |      | 24                                    | 24   | 24   | 21   |      | 951                              | 656    | 497    | 626    |      | 3654  | 2408  | 1854  | 2265  |
| 3311 Sawmills, planing and other wood mills      |      | 21                                    | 21   | 21   | 21   |      | 904                              | 656    | 474    | 626    |      | 3430  | 2408  | 1752  | 2265  |
| 3312 Wooden and cane containers                  |      | -                                     | -    | -    | -    |      | -                                | -      | -      | -      |      | -   | -     | -     | -     |
| 3319 Other wood and cork products                |      | 3                                     | 3    | 3    | -    |      | 47                               | -      | 23     | -      |      | 223   | -     | 102   | -     |
| 332 Furniture and fixtures, excl. metal          |      | 66                                    | 72   | 73   | 76   |      | 1418                             | 1347   | 978    | 969    |      | 5541  | 4618  | 3234  | 3015  |
| 341 Paper and products                           |      | 23                                    | 23   | 23   | 22   |      | 1116                             | 1082   | 1020   | 987    |      | 7474  | 8288  | 8392  | 8652  |
| 3411 Pulp, paper and paperboard articles         | b/   | 6                                     | 5    | 5    | 6    | b/   | 249                              | 260    | 232    | 265    | b/   | 1746  | 2640  | 2335  | 2435  |
| 3412 Containers of paper and paperboard          |      | 17                                    | 18   | 18   | 16   |      | 867                              | 822    | 788    | 721    | b/   | 5728  | 5648  | 6057  | 6217  |
| 3419 Other pulp, paper and paperboard articles   | b/   | -                                     | -    | -    | -    | b/   | -                                | -      | -      | -      | b/   | -   | -     | -     | -     |
| 342 Printing and publishing                      |      | 71                                    | 77   | 77   | 66   |      | 2299                             | 2396   | 1896   | 965    |      | 15176   | 13312 | 9671  | 5660  |
| 351 Industrial chemicals                         |      | 10                                    | 10   | 10   | 9    |      | 297                              | 241    | 226    | 220    |      | 2238  | 1529  | 1372  | 1424  |
| 3511 Basic chemicals excl. fertilizers           |      | 6                                     | 6    | 6    | 5    |      | 229                              | 158    | 150    | 138    |      | 1963  | 1195  | 1057  | 1093  |
| 3512 Fertilizers and pesticides                  |      | 4                                     | 4    | 4    | 4    |      | 68                               | 83     | 75     | 82     |      | 276   | 334   | 315   | 331   |
| 3513 Synthetic resins and plastic materials      |      | -                                     | -    | -    | -    |      | -                                | -      | -      | -      |      | -   | -     | -     | -     |
| 352 Other chemicals                              |      | 48                                    | 37   | 37   | 38   |      | 1599                             | 1761   | 1571   | 1471   |      | 10596   | 12604 | 11511 | 10536 |
| 3521 Paints, varnishes and lacquers              |      | 6                                     | 7    | 7    | 6    |      | 233                              | 310    | 271    | 264    |      | 1407  | 1785  | 1582  | 1689  |
| 3522 Drugs and medicines                         |      | 10                                    | 9    | 9    | 7    |      | 299                              | 324    | 320    | 260    |      | 2312  | 3298  | 3051  | 2174  |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 18                                    | 11   | 11   | 15   |      | 782                              | 871    | 749    | 739    |      | 5444  | 6297  | 6933  | 6540  |
| 3529 Other chemical products                     |      | 14                                    | 10   | 10   | 10   |      | 285                              | 256    | 231    | 218    |      | 1434  | 1124  | 946   | 1133  |
| 353 Petroleum refineries                         | c/   | d/                                    | d/   | d/   | e/   | c/   | d/                               | d/     | d/     | e/     | c/   | d/  | d/    | d/    | e/    |

|   |    |      |      |      |      |    |        |        |        |       |    |         |         |         |         |
|---|----|------|------|------|------|----|--------|--------|--------|-------|----|---------|---------|---------|---------|
| 354 Misc. petroleum and coal products           | c/ | d/   | d/   | d/   | 3    | c/ | d/     | d/     | d/     | 25    | c/ | d/      | d/      | d/      | 246     |
| 355 Rubber products                             |    | 8    | 6    | 6    | 7    |    | 163    | 121    | 133    | 146   |    | 721     | 560     | 543     | 591     |
| 3551 Tyres and tubes                            |    |      |      |      |      |    |        |        |        |       |    |         |         |         |         |
| 3559 Other rubber products                      |    |      |      |      |      |    |        |        |        |       |    |         |         |         |         |
| 356 Plastic products                            |    | 29   | 32   | 32   | 25   |    | 1299   | 1450   | 1255   | 1211  |    | 7686    | 8265    | 7320    | 7958    |
| 361 Pottery, china, earthenware                 |    | 3    | -    | -    | -    |    | 29     | -      | -      | -     |    | 75      | -       | -       | -       |
| 362 Glass and products                          |    | 7    | 6    | 5    | 6    |    | 274    | 242    | 203    | 236   |    | 1682    | 1789    | 1283    | 744     |
| 369 Other non-metallic mineral products         |    | 47   | 64   | 62   | 37   |    | 2223   | 2311   | 1700   | 1450  |    | 11740   | 13815   | 8818    | 7326    |
| 3691 Structural clay products                   |    | 3    |      |      | 5    |    | 401    | 1130f/ | 980f/  | 841f/ |    | 2492    | 8601f/  | 5687f/  | 4937f/  |
| 3692 Cement, lime and plaster                   |    |      |      |      |      |    | 1822g/ | f/     | f/     | f/    |    | 9248g/  | f/      | f/      | f/      |
| 3699 Other non-metallic mineral products        |    | 44   |      |      | 32   |    | g/     | 1181   | 720    | 609   |    | g/      | 5214    | 3131    | 2389    |
| 371 Iron and steel                              | r/ | 8    | 6    | 6    | 5    | n/ | 409    | 395    | 369    | 215   | n/ | 2709    | 2464    | 2098    | 1382    |
| 372 Non-ferrous metals                          | h/ |      |      |      |      | h/ |        |        |        |       | h/ |         |         |         |         |
| 381 Fabricated metal products                   |    | 60   | 59   | 58   | 44   |    | 1429   | 1374   | 1008   | 912   |    | 7749    | 7512    | 4912    | 4232    |
| 3811 Cutlery, hand tools and general hardware   |    | 6    | 9i/  | 9i/  | 8i/  |    | 73     | 239    | 159    | -     |    | 286     | 1267    | 751     | -       |
| 3812 Furniture and fixtures primarily of metal  |    | 8    | i/   | i/   | i/   |    | 222    | -      | -      | -     |    | 1148    | -       | -       | -       |
| 3813 Structural metal products                  |    | 27   | 28   | 27   | 19   |    | 703    | 692    | 451    | 402   |    | 3834    | 3859    | 2261    | 1607    |
| 3819 Other fabricated metal products            |    | 19   | 22   | 22   | 17   |    | 431    | 443    | 398    | 351   |    | 2479    | 2386    | 1900    | 1836    |
| 382 Non-electrical machinery                    |    | 10   | 10   | 9    | 6    |    | 107    | 114    | 100    | 86    |    | 480     | 671     | 458     | 434     |
| 3821 Engines and turbines                       |    | -    | -    | -    | -    |    | -      | -      | -      | -     |    | -       | -       | -       | -       |
| 3822 Agricultural machinery and equipment       | j/ | 10   | 10   | 9    | 6    | j/ | 107    | 114    | 100    | 86    | j/ | 480     | 671     | 458     | 434     |
| 3823 Metal and wood working machinery           |    | -    | -    | -    | -    |    | -      | -      | -      | -     |    | -       | -       | -       | -       |
| 3824 Other special industrial machinery         |    | -    | -    | -    | -    |    | -      | -      | -      | -     |    | -       | -       | -       | -       |
| 3825 Office, computing and accounting machinery |    | -    | -    | -    | -    |    | -      | -      | -      | -     |    | -       | -       | -       | -       |
| 3829 Other non-electrical machinery & equipment | j/ | -    | -    | -    | -    | j/ | -      | -      | -      | -     | j/ | -       | -       | -       | -       |
| 383 Electrical machinery                        |    | 11   | 9    | 9    | 6    |    | 234    | 183    | 135    | 91    |    | 1345    | 1196    | 885     | 592     |
| 3831 Electrical industrial machinery            |    | 3k/  |      |      |      |    | 60k/   |        |        |       |    | 278k/   |         |         |         |
| 3832 Radio, television and communication equipm |    | k/   |      |      |      |    | k/     |        |        |       |    | k/      |         |         |         |
| 3833 Electrical appliances and housewares       |    | -    | -    | -    | -    |    | -      | -      | -      | -     |    | -       | -       | -       | -       |
| 3839 Other electrical apparatus and supplies    |    | 8    | 9    | 9    | 6    |    | 174    | 183    | 135    | 91    |    | 1067    | 1196    | 885     | 592     |
| 384 Transport equipment                         |    | 16   | 14   | 14   | 13   |    | 452    | 490    | 431    | 584   |    | 3479    | 4876    | 3934    | 4417    |
| 3841 Shipbuilding and repairing                 |    | 9    | 7    | 7    | 6    |    | 354    | 363    | 328    | 503   |    | 3041    | 4315    | 3516    | 4053    |
| 3842 Railroad equipment                         |    | -    | -    | -    | -    |    | -      | -      | -      | -     |    | -       | -       | -       | -       |
| 3843 Motor vehicles                             | m/ | 7    | 7    | 7    | 7    | m/ | 88     | 127    | 103    | 81    | m/ | 438     | 560     | 418     | 364     |
| 3844 Motorcycles and bicycles                   |    | -    | -    | -    | -    |    | -      | -      | -      | -     |    | -       | -       | -       | -       |
| 3845 Aircraft                                   |    | -    | -    | -    | -    |    | -      | -      | -      | -     |    | -       | -       | -       | -       |
| 3849 Other transport equipment                  | m/ | -    | -    | -    | -    | m/ | -      | -      | -      | -     | m/ | -       | -       | -       | -       |
| 385 Professional and scientific equipment       |    | 8    | 5    | 5    | 6    |    | 110    | 80     | 69     | 76    |    | 519     | 548     | 459     | 512     |
| 3851 Prof. and scientific equipment n e c       |    | 4    | 5n/  | 5n/  | 6n/  |    | 62     | 80n/   | 69n/   | 76n/  |    | 291     | 548n/   | 459n/   | 512n/   |
| 3852 Photographic and optical goods             |    | 4    | n/   | n/   | n/   |    | 48     | n/     | n/     | n/    |    | 228     | n/      | n/      | n/      |
| 3853 Watches and clocks                         |    | -    | -    | -    | -    |    | -      | -      | -      | -     |    | -       | -       | -       | -       |
| 390 Other manufacturing industries              |    | 25d/ | 25d/ | 25d/ | 18e/ |    | 1090d/ | 1261d/ | 1215d/ | 916e/ |    | 15520d/ | 18289d/ | 18656d/ | 13293e/ |
| 3901 Jewellery and related articles             |    | 5    | 3    | 3    | -    |    | 87     | 136    | 96     | -     |    | 566     | 716     | 446     | -       |
| 3902 Musical instruments                        |    | -    | -    | -    | -    |    | -      | -      | -      | -     |    | -       | -       | -       | -       |
| 3903 Sporting and athletic goods                |    | -    | -    | -    | -    |    | -      | -      | -      | -     |    | -       | -       | -       | -       |
| 3909 Manufacturing industries, n e c            | c/ | 20   | 22   | 22   | 18   | c/ | 1003   | 1125   | 1119   | 916   | c/ | 14954   | 17573   | 18210   | 13293   |
| 3 Total manufacturing                           |    | 883  | 931  | 924  | 818  |    | 36110  | 36566  | 32155  | 31287 |    | 200687  | 203718  | 178200  | 172307  |

a/ Number of persons engaged  
c/ 3909 includes 353 and 354  
e/ 390 includes 353  
g/ 3692 includes 3699  
i/ 3811 includes 3812  
k/ 3831 includes 3832  
n/ 3851 includes 3852

b/ 3411 includes 3419  
d/ 390 includes 353 and 354  
f/ 3691 includes 3692  
h/ 371 includes 372  
j/ 3822 includes 3829  
m/ 3843 includes 3849

## Panama

| ISIC Industry                                    | Note | Output in producers' prices |        |        |        | Note | Value added in producers' prices |        |        |        | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-----------------------------|--------|--------|--------|------|----------------------------------|--------|--------|--------|--------------------------------|------|--|------|
|  |      | (thousand BALBOAS)          |        |        |        |      | (thousand BALBOAS)               |        |        |        | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                        | 1987   | 1988   | 1989   |      | 1985                             | 1987   | 1988   | 1989   | 1985                           | 1989 | 1985                                       | 1989 |
| 311/2 Food Products                              |      | 620570                      | 621752 | 554453 | 619447 |      | 171096                           | 203413 | 172636 | 185756 | 27.6                           | 30.0 | 37.0                                       | 35.8 |
| 3111 Slaughtering, preparing & preserving meat   |      | 66862                       | 56742  | 52796  | 97946  |      | 11816                            | 13939  | 12224  | 28643  | 17.7                           | 29.2 | 49.6                                       | 21.9 |
| 3112 Dairy products                              |      | 93218                       | 100507 | 85582  | 95135  |      | 29442                            | 39101  | 27879  | 32920  | 31.6                           | 34.6 | 30.8                                       | 30.7 |
| 3113 Canning, preserving of fruits & vegetables  |      | 29628                       | 31337  | 24545  | 27336  |      | 10862                            | 15180  | 14077  | 11430  | 36.7                           | 41.8 | 46.1                                       | 45.9 |
| 3114 Canning, preserving and processing of fish  |      | 65369                       | 67116  | 53871  | 53843  |      | 11875                            | 9011   | 15877  | 3248   | 18.2                           | 6.0  | 44.8                                       |      |
| 3115 Vegetable and animal oils and fats          |      | 62044                       | 60406  | 50816  | 52856  |      | 15709                            | 21707  | 17504  | 19360  | 25.3                           | 36.6 | 32.0                                       | 26.2 |
| 3116 Grain mill products                         |      | 83297                       | 78539  | 75302  | 75859  |      | 14026                            | 23475  | 15931  | 16094  | 16.8                           | 21.2 | 31.2                                       | 29.4 |
| 3117 Bakery products                             |      | 53297                       | 59990  | 64883  | 55396  |      | 19913                            | 23993  | 21697  | 21413  | 37.4                           | 38.7 | 50.8                                       | 48.9 |
| 3118 Sugar factories and refineries              |      | 68276                       | 58014  | 55666  | 57186  |      | 32705                            | 26829  | 21206  | 28168  | 47.9                           | 49.3 | 34.0                                       | 47.6 |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 5208                        | 5395   | 4937   | 4969   |      | 2199                             | 2747   | 2687   | 1772   | 42.2                           | 35.7 | 33.1                                       | 41.7 |
| 3121 Other food products                         |      | 50028                       | 56836  | 50343  | 50895  |      | 17131                            | 20319  | 17358  | 17553  | 34.2                           | 34.5 | 29.8                                       | 29.1 |
| 3122 Prepared animal feeds                       |      | 43343                       | 46870  | 45812  | 48026  |      | 5417                             | 7115   | 6196   | 5154   | 12.5                           | 10.7 | 30.8                                       | 30.3 |
| 313 Beverages                                    |      | 122173                      | 140610 | 116756 | 126993 |      | 52502                            | 74593  | 60265  | 69879  | 43.0                           | 47.2 | 21.1                                       | 19.4 |
| 3131 Distilling, rectifying and blending spirits |      | 30494                       | 30452  | 23831  | 25764  |      | 17358                            | 20185  | 14893  | 15016  | 56.9                           | 58.3 | 20.7                                       | 18.5 |
| 3132 Wine industries                             |      | -                           | -      | -      | -      |      | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 3133 Malt liquors and malt                       |      | 60155                       | 66384  | 55319  | 61411  |      | 30885                            | 39939  | 33436  | 34488  | 51.3                           | 56.2 | 17.0                                       | 15.9 |
| 3134 Soft drinks and carbonated waters           |      | 31524                       | 43774  | 37608  | 39818  |      | 4269                             | 14469  | 11936  | 10376  | 13.5                           | 25.1 | 51.8                                       | 32.6 |
| 314 Tobacco                                      |      | 39462                       | 36568  | 30351  | 28313  |      | 30376                            | 29125  | 23514  | 19900  | 77.0                           | 70.3 | 17.4                                       | 24.5 |
| 321 Textiles                                     |      | 8098                        | 11083  | 9768   | 11528  |      | 2639                             | 4345   | 3902   | 4600   | 32.6                           | 39.9 | 67.9                                       | 37.2 |
| 3211 Spinning, weaving and finishing textiles    |      | 3185                        | 5271   | 5587   | 5944   |      | 1000                             | 2257   | 2205   | 2653   | 31.4                           | 44.6 | 96.2                                       | 33.7 |
| 3212 Made-up textile goods excl. wearing apparel |      | -                           | -      | -      | -      |      | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 3213 Knitting mills                              |      | 4913                        | 5812   | 4181   | 5584   |      | 1639                             | 2088   | 1697   | 1947   | 33.4                           | 34.9 | 60.6                                       | 42.0 |
| 3214 Carpets and rugs                            |      | -                           | -      | -      | -      |      | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 3215 Cordage, rope and twine                     |      | -                           | -      | -      | -      |      | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 3219 Other textiles                              |      | -                           | -      | -      | -      |      | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 322 Wearing apparel, except footwear             |      | 60847                       | 61636  | 48020  | 47577  |      | 25641                            | 27579  | 19168  | 15464  | 42.1                           | 32.5 | 58.9                                       | 72.6 |
| 323 Leather and fur products                     |      | 9150                        | 9088   | 7667   | 7169   |      | 1286                             | 2402   | 1895   | 1536   | 14.1                           | 21.4 |  | 73.1 |
| 3231 Tanneries and leather finishing             |      | 9150                        | 9088   | 7667   | 7169   |      | 1286                             | 2402   | 1895   | 1536   | 14.1                           | 21.4 |  | 73.1 |
| 3232 Fur dressing and dyeing industries          |      | -                           | -      | -      | -      |      | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 3233 Leather prods. excl. wearing apparel        |      | -                           | -      | -      | -      |      | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 324 Footwear, except rubber or plastic           |      | 21712                       | 21151  | 12956  | 10573  |      | 8803                             | 7932   | 5179   | 3819   | 40.5                           | 36.1 | 49.9                                       | 53.4 |
| 331 Wood products, except furniture              |      | 19336                       | 15841  | 8308   | 10573  |      | 6511                             | 6674   | 2513   | 3380   | 33.7                           | 32.0 | 56.1                                       | 67.0 |
| 3311 Sawmills, planing and other wood mills      |      | 18450                       | 15841  | 7749   | 10673  |      | 5922                             | 6674   | 2267   | 3380   | 32.1                           | 32.0 | 57.9                                       | 67.0 |
| 3317 Wooden and cane containers                  |      | -                           | -      | -      | -      |      | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 3319 Other wood and cork products                |      | 886                         | -      | 569    | -      |      | 583                              | -      | 246    | -      | 66.8                           | -    | 38.3                                       | -    |
| 332 Furniture and fixtures, excl. metal          |      | 25200                       | 23761  | 11380  | 13350  |      | 10637                            | 10624  | 3977   | 4237   | 42.2                           | 31.7 | 52.1                                       | 71.2 |
| 341 Paper and products                           |      | 72549                       | 89712  | 85678  | 97637  |      | 32563                            | 23463  | 20924  | 23823  | 44.9                           | 24.4 | 23.0                                       | 36.3 |
| 3411 Pulp, paper and paperboard articles         | a/   | 17004                       | 25108  | 21728  | 26434  | a/   | 6037                             | 9960   | 7820   | 8685   | 36.5                           | 32.9 | 28.9                                       | 28.0 |
| 3412 Containers of paper and paperboard          |      | 55545                       | 64604  | 63950  | 71203  |      | 26526                            | 13493  | 13104  | 15138  | 47.8                           | 21.3 | 21.6                                       | 41.1 |
| 3419 Other pulp, paper and paperboard articles   | a/   | -                           | -      | -      | -      | a/   | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 342 Printing and publishing                      |      | 55730                       | 61390  | 38114  | 35286  |      | 29332                            | 35971  | 21145  | 15866  | 52.6                           | 45.0 | 61.7                                       | 35.7 |
| 351 Industrial chemicals                         |      | 29766                       | 30034  | 27972  | 28910  |      | 8772                             | 7713   | 6708   | 8424   | 29.5                           | 29.1 | 25.5                                       | 16.9 |
| 3511 Basic chemicals excl. fertilizers           |      | 18842                       | 20267  | 19216  | 19445  |      | 6041                             | 5818   | 4982   | 6462   | 32                             | 33.2 | 32.5                                       | 18.9 |
| 3512 Fertilizers and pesticides                  |      | 10924                       | 9767   | 8756   | 9465   |      | 2731                             | 1895   | 1726   | 1962   | 25.0                           | 20.7 | 10.1                                       | 16.9 |
| 3513 Synthetic resins and plastic materials      |      | -                           | -      | -      | -      |      | -                                | -      | -      | -      | -                              | -    | -  | -    |
| 352 Other chemicals                              |      | 93934                       | 94304  | 74849  | 79881  |      | 41873                            | 44784  | 33759  | 33590  | 44.6                           | 42.1 | 25.3                                       | 31.4 |
| 3521 Paints, varnishes and lacquers              |      | 17755                       | 23181  | 17022  | 19128  |      | 6222                             | 8961   | 4330   | 5211   | 36.0                           | 27.2 | 22.6                                       | 32.4 |
| 3522 Drugs and medicines                         |      | 16837                       | 19081  | 17191  | 13871  |      | 9680                             | 10608  | 9593   | 8344   | 57.5                           | 60.2 | 23.9                                       | 26.1 |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      | 47111                       | 44643  | 34768  | 40466  |      | 20957                            | 23501  | 17145  | 17171  | 44.5                           | 42.4 | 26.0                                       | 32.3 |
| 3529 Other chemical products                     |      | 12231                       | 7399   | 5868   | 6415   |      | 5014                             | 3714   | 2691   | 2854   | 41.0                           | 44.6 | 28.6                                       | 39.6 |
| 353 Petroleum refineries                         | b/   | c/                          | c/     | c/     | d/     | b/   | c/                               | c/     | c/     | d/     |                                |      |  |      |

|      |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
|------|----|----|----|----|------|----|----|----|----|------|--|------|--|------|
| 354  | h  | c/ | c/ | c/ | 6500 | b/ | c/ | c/ | c/ | 1200 |  | 18 5 |  | 20 5 |
| 355  |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3551 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3559 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 356  |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 361  |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 362  |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 359  |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3691 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3692 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3699 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 371  |    |    |    |    |      | g/ |    |    |    |      |  |      |  |      |
| 372  |    |    |    |    |      | g/ |    |    |    |      |  |      |  |      |
| 381  |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3811 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3812 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3813 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3819 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 382  |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3821 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3822 | h/ |    |    |    |      | h/ |    |    |    |      |  |      |  |      |
| 3823 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3824 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3825 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3829 | h/ |    |    |    |      | h/ |    |    |    |      |  |      |  |      |
| 383  |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3831 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3832 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3833 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3839 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 384  |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3841 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3842 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3843 | j/ |    |    |    |      | j/ |    |    |    |      |  |      |  |      |
| 3844 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3845 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3849 | j/ |    |    |    |      | j/ |    |    |    |      |  |      |  |      |
| 385  |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3851 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3852 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3853 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 390  |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3901 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3902 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3903 |    |    |    |    |      |    |    |    |    |      |  |      |  |      |
| 3909 | b/ |    |    |    |      | h/ |    |    |    |      |  |      |  |      |
| 3    |    |    |    |    |      |    |    |    |    |      |  |      |  |      |

a/ 3411 includes 3419  
c/ 390 includes 353 and 354  
e/ 3691 includes 3692  
g/ 371 includes 372  
i/ 3831 includes 3832  
k/ 3851 includes 3852

b/ 3909 includes 353 and 354  
d/ 390 includes 353  
f/ 3692 includes 3699  
n/ 3822 includes 3825  
j/ 3843 includes 3849

## Panama

| ISIC Industry                             | Note | Gross fixed capital formation |        |        |        | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |
|---|------|-------------------------------|--------|--------|--------|------|--|------|------|------|------|------|------|------|------|
|   |      | (thousand \$A(BOAS))          |        |        |        |      | (1980=100)                             |      |      |      |      |      |      |      |      |
|   |      | 1985                          | 1987   | 1988   | 1989   |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      | 19915                         | 21106  | 20044  | 13750  |      | 105                                    | 106  | 104  | 111  | 97   | 104  | 108  | 113  | 119  |
| 313 Beverages                             |      | 3506                          | 3731   | 638    | 1893   |      | 112                                    | 110  | 122  | 129  | 113  | 125  | 142  | 163  | 155  |
| 314 Tobacco                               |      | 334                           | 1502   | 484    | 1297   |      | 85                                     | 83   | 83   | 79   | 64   | 60   | 78   | 73   | 77   |
| 321 Textiles                              |      | 928                           | 372    | 212    | 146    |      | 1                                      | 93   | 97   | 96   | 68   | 95   | 110  | 112  | 99   |
| 322 Wearing apparel, except footwear      |      | 1256                          | 1102   | 765    | 533    |      | 90                                     | 126  | 126  | 124  | 89   | 93   | 103  | 125  | 136  |
| 323 Leather and fur products              |      | 170                           | 75     | 48     | 57     |      | 257                                    | 212  | 270  | 243  | 190  | 137  | 150  | 152  | 162  |
| 324 Footwear, except rubber or plastic    |      | 715                           | -95    | -4005  | 5      |      | 98                                     | 109  | 124  | 119  | 69   | 67   | 64   | 72   | 73   |
| 331 Wood products, except furniture       |      | 2664                          | 71     | -123   | 1027   |      | 107                                    | 83   | 73   | 72   | 37   | 51   | 58   | 57   | 68   |
| 332 Furniture and fixtures, excl. metal   |      | 847                           | 299    | 376    | 241    |      | 93                                     | 108  | 123  | 106  | 43   | 53   | 74   | 84   | 87   |
| 341 Paper and products                    |      | 1157                          | 2278   | 2053   | 1039   |      | 108                                    | 113  | 109  | 122  | 115  | 122  | 130  | 134  | 136  |
| 342 Printing and publishing               |      | 3340                          | 578    | 1921   | 280    |      | 94                                     | 111  | 104  | 85   | 61   | 66   | 82   | 85   | 99   |
| 351 Industrial chemicals                  |      | 478                           | 282    | 298    | -      |      | 159                                    | 158  | 162  | 169  | 147  | 151  | 166  | 170  | 188  |
| 352 Other chemicals                       |      | 6162                          | 1852   | 1624   | 2296   |      | 113                                    | 129  | 140  | 148  | 117  | 125  | 132  | 147  | 162  |
| 353 Petroleum refineries                  |      | a/                            | a/     | a/     | b/     | c/   | 82                                     | 68   | 53   | 77   | 54   | 51   | 64   | 62   | 96   |
| 354 Misc. petroleum and coal products     |      | a/                            | a/     | a/     | -      | c/   | -                                      | -    | -    | -    | -    | -    | -    | -    | -    |
| 355 Rubber products                       |      | 70                            | 309    | 136    | 39     |      | 63                                     | 49   | 41   | 113  | 155  | 169  | 152  | 141  | 195  |
| 356 Plastic products                      |      | 3902                          | 4420   | 317    | 725    |      | 137                                    | 134  | 137  | 166  | 123  | 144  | 166  | 182  | 207  |
| 361 Pottery, china, earthenware           |      | -                             | -      | -      | -      |      | -                                      | -    | -    | -    | -    | -    | -    | -    | -    |
| 362 Glass and products                    |      | 427                           | 3107   | 1239   | 1097   |      | 146                                    | 144  | 167  | 178  | 82   | 88   | 119  | 191  | 156  |
| 369 Other non-metallic mineral products   |      | 4580                          | 1580   | 1716   | 1181   |      | 81                                     | 83   | 101  | 109  | 42   | 40   | 56   | 86   | 116  |
| 371 Iron and steel                        | d/   | 350                           | 464    | 554    | 75     | d/   | 58                                     | 62   | 70   | 107  | 36   | 34   | 58   | 46   | 98   |
| 372 Non-ferrous metals                    | d/   | -                             | -      | -      | -      | d/   | -                                      | -    | -    | -    | -    | -    | -    | -    | -    |
| 381 Fabricated metal products             |      | 2646                          | 669    | 539    | 767    |      | 81                                     | 85   | 89   | 110  | 48   | 52   | 68   | 79   | 86   |
| 382 Non-electrical machinery              |      | 72                            | 4      | 5      | -      |      | 223                                    | 166  | 241  | 432  | 203  | 115  | 286  | 135  | 88   |
| 383 Electrical machinery                  |      | 171                           | 347    | 103    | 70     |      | 215                                    | 154  | 143  | 152  | 75   | 70   | 110  | 140  | 164  |
| 384 Transport equipment                   |      | 110                           | 159    | 163    | 76     |      | 114                                    | 331  | 368  | 296  | 215  | 215  | 278  | 167  | 169  |
| 385 Professional and scientific equipment |      | 425                           | 6      | 17     | 8      |      | 118                                    | 177  | 186  | 148  | 142  | 160  | 177  | 179  | 192  |
| 390 Other manufacturing industries        |      | 1596a/                        | 1049a/ | 3625a/ | 3412b/ |      | 161                                    | 224  | 248  | 238  | 162  | 197  | 194  | 188  | 199  |
| 3 Total manufacturing                     |      | 55607                         | 43269  | 32751  | 30014  |      | 101                                    | 105  | 107  | 115  | 85   | 90   | 101  | 110  | 121  |

a/ 390 includes 353 and 354  
c/ 353 includes 354

b/ 390 includes 353  
d/ 371 includes 372

## PARAGUAY

**Supplier of information:**

Banco Central del Paraguay, Asunción.

**Basic source of data:**

Census of establishments affiliated with the Industrial Association.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

All establishments registered in the Industrial Association of Paraguay.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

No. Data cover 321 of 600 registered establishments.

**Concepts and definitions of variables:**

No deviations from the standard UN concepts and definitions are reported.

**Related national publications:**

Censo de Empresas Asociadas a la Unión Industrial, published by the Banco Central del Paraguay, Asunción.

Paraguay

| ISIC Industry                             | Note | Number of establishments |      |      |      | Note | Number of employees |      |       |      | Note | Wages and salaries paid to employees |       |      |      |
|---|------|--------------------------|------|------|------|------|---------------------|------|-------|------|------|--------------------------------------|-------|------|------|
|   |      | (numbers)                |      |      |      |      | (numbers)           |      |       |      |      | (million GUARANIES)                  |       |      |      |
|   |      | 1985                     | 1989 | 1990 | 1991 |      | 1985                | 1989 | 1990  | 1991 |      | 1985                                 | 1989  | 1990 | 1991 |
| 311/2 Food Products                       |      |                          |      |      |      |      |                     |      | 3158  |      |      |                                      | 21220 | 1a/  |      |
| 313 Beverages                             |      |                          |      |      |      |      |                     |      | 1860  |      |      |                                      |       | a/   |      |
| 314 Tobacco                               |      |                          |      |      |      |      |                     |      | 260   |      |      |                                      |       | a/   |      |
| 321 Textiles                              |      |                          |      |      |      |      |                     |      | 947   |      |      |                                      | 6711  | 7b/  |      |
| 322 Wearing apparel, except footwear      |      |                          |      |      |      |      |                     |      | 217   |      |      |                                      |       | b/   |      |
| 323 Leather and fur products              |      |                          |      |      |      |      |                     |      | 678   |      |      |                                      |       | b/   |      |
| 324 Footwear, except rubber or plastic    |      |                          |      |      |      |      |                     |      | 37    |      |      |                                      |       | b/   |      |
| 331 Wood products, except furniture       |      |                          |      |      |      |      |                     |      | -     |      |      |                                      | 581   | 3c/  |      |
| 332 Furniture and fixtures, excl metal    |      |                          |      |      |      |      |                     |      | 158   |      |      |                                      |       | c/   |      |
| 341 Paper and products                    |      |                          |      |      |      |      |                     |      | 19    |      |      |                                      | 3982  | 3d/  |      |
| 342 Printing and publishing               |      |                          |      |      |      |      |                     |      | 799   |      |      |                                      |       | d/   |      |
| 351 Industrial chemicals                  |      |                          |      |      |      |      |                     |      | 149   |      |      |                                      | 6859  | 5e/  |      |
| 352 Other chemicals                       |      |                          |      |      |      |      |                     |      | 983   |      |      |                                      |       | e/   |      |
| 353 Petroleum refineries                  |      |                          |      |      |      |      |                     |      | 27    |      |      |                                      |       | e/   |      |
| 354 Misc petroleum and coal products      |      |                          |      |      |      |      |                     |      | 22    |      |      |                                      |       | e/   |      |
| 355 Rubber products                       |      |                          |      |      |      |      |                     |      | 63    |      |      |                                      |       | e/   |      |
| 356 Plastic products                      |      |                          |      |      |      |      |                     |      | 265   |      |      |                                      |       | e/   |      |
| 361 Pottery, china, earthenware           |      |                          |      |      |      |      |                     |      | 10    |      |      |                                      | 7468  | 8f/  |      |
| 362 Glass and products                    |      |                          |      |      |      |      |                     |      | 19    |      |      |                                      |       | f/   |      |
| 369 Other non-metallic mineral products   |      |                          |      |      |      |      |                     |      | 1177  |      |      |                                      |       | f/   |      |
| 371 Iron and steel                        |      |                          |      |      |      |      |                     |      | 1     |      |      |                                      | 930   | 7g/  |      |
| 372 Non-ferrous metals                    |      |                          |      |      |      |      |                     |      | 212   |      |      |                                      |       | g/   |      |
| 381 Fabricated metal products             |      |                          |      |      |      |      |                     |      | 542   |      |      |                                      | 2816  | 8h/  |      |
| 382 Non-electrical machinery              |      |                          |      |      |      |      |                     |      | 10    |      |      |                                      |       | h/   |      |
| 383 Electrical machinery                  |      |                          |      |      |      |      |                     |      | 81    |      |      |                                      |       | h/   |      |
| 384 Transport equipment                   |      |                          |      |      |      |      |                     |      | 20    |      |      |                                      |       | h/   |      |
| 385 Professional and scientific equipment |      |                          |      |      |      |      |                     |      | 78    |      |      |                                      |       | h/   |      |
| 390 Other manufacturing industries        |      |                          |      |      |      |      |                     |      | 10    |      |      |                                      | 55    | 2    |      |
| 3 Total manufacturing                     |      |                          |      |      |      |      |                     |      | 11787 |      |      |                                      | 50626 | 3    |      |

a/ 311/2 includes 313 and 314

c/ 331 includes 332

e/ 351 includes 352, 353, 354, 355 and 356

g/ 371 includes 372

b/ 321 includes 322, 323 and 324

d/ 341 includes 342

f/ 361 includes 352 and 369

h/ 381 includes 382, 383, 384 and 385



## Paraguay

| ISIC Industry                             | Note | Output<br>(million GUARANIES) |      |      |            | Note | Value added<br>(million GUARANIES) |      |            |      | Share of<br>value added<br>in output<br>(percentage) |      | Share of<br>wages and<br>salaries in<br>value added<br>(percentage) |      |
|---|------|-------------------------------|------|------|------------|------|------------------------------------|------|------------|------|--|------|---|------|
|   |      | 1985                          | 1989 | 1990 | 1991       |      | 1985                               | 1989 | 1990       | 1991 | 1985   | 1991 | 1985  | 1991 |
| 311/2 Food Products                       |      |                               |      |      | 283248 0a/ |      |                                    |      | 128815 9a/ |      | 45.5   |      | 16.5  |      |
| 313 Beverages                             |      |                               |      |      | a/         |      |                                    |      | a/         |      |  |      |   |      |
| 314 Tobacco                               |      |                               |      |      | a/         |      |                                    |      | a/         |      |  |      |   |      |
| 321 Textiles                              |      |                               |      |      | 165142 8b/ |      |                                    |      | 36528 1b/  |      | 22.1   |      | 18.4  |      |
| 322 Wearing apparel, except footwear      |      |                               |      |      | b/         |      |                                    |      | b/         |      |  |      |   |      |
| 323 Leather and fur products              |      |                               |      |      | b/         |      |                                    |      | b/         |      |  |      |   |      |
| 324 Footwear, except rubber or plastic    |      |                               |      |      | b/         |      |                                    |      | b/         |      |  |      |   |      |
| 331 Wood products, except furniture       |      |                               |      |      | 2175 9c/   |      |                                    |      | 1313 0c/   |      | 60.3   |      | 44.3  |      |
| 332 Furniture and fixtures, excl metal    |      |                               |      |      | c/         |      |                                    |      | c/         |      |  |      |   |      |
| 341 Paper and products                    |      |                               |      |      | 19958 1d/  |      |                                    |      | 11431 9d/  |      | 57.3   |      | 34.8  |      |
| 342 Printing and publishing               |      |                               |      |      | d/         |      |                                    |      | d/         |      |  |      |   |      |
| 351 Industrial chemicals                  |      |                               |      |      | 72647 9e/  |      |                                    |      | 28108 9e/  |      | 38.7   |      | 24.4  |      |
| 352 Other chemicals                       |      |                               |      |      | e/         |      |                                    |      | e/         |      |  |      |   |      |
| 353 Petroleum refineries                  |      |                               |      |      | e/         |      |                                    |      | e/         |      |  |      |   |      |
| 354 Misc petroleum and coal products      |      |                               |      |      | e/         |      |                                    |      | e/         |      |  |      |   |      |
| 355 Rubber products                       |      |                               |      |      | e/         |      |                                    |      | e/         |      |  |      |   |      |
| 356 Plastic products                      |      |                               |      |      | e/         |      |                                    |      | e/         |      |  |      |   |      |
| 361 Pottery, china, earthenware           |      |                               |      |      | 54436 8f/  |      |                                    |      | 16397 2f/  |      | 30.1   |      | 45.5  |      |
| 362 Glass and products                    |      |                               |      |      | f/         |      |                                    |      | f/         |      |  |      |   |      |
| 369 Other non-metallic mineral products   |      |                               |      |      | f/         |      |                                    |      | f/         |      |  |      |   |      |
| 371 Iron and steel                        |      |                               |      |      | 6913 8g/   |      |                                    |      | 1025 7g/   |      | 14.8   |      | 90.7  |      |
| 372 Non-ferrous metals                    |      |                               |      |      | g/         |      |                                    |      | g/         |      |  |      |   |      |
| 381 Fabricated metal products             |      |                               |      |      | 15413 2h/  |      |                                    |      | 8560 6h/   |      | 56.2   |      | 32.5  |      |
| 382 Non-electrical machinery              |      |                               |      |      | h/         |      |                                    |      | h/         |      |  |      |   |      |
| 383 Electrical machinery                  |      |                               |      |      | h/         |      |                                    |      | h/         |      |  |      |   |      |
| 384 Transport equipment                   |      |                               |      |      | h/         |      |                                    |      | h/         |      |  |      |   |      |
| 385 Professional and scientific equipment |      |                               |      |      | h/         |      |                                    |      | h/         |      |  |      |   |      |
| 390 Other manufacturing industries        |      |                               |      |      | 39.6       |      |                                    |      | 26.5       |      | 66.9   |      |   |      |
| 3 Total manufacturing                     |      |                               |      |      | 619975.9   |      |                                    |      | 232307.9   |      | 37.5   |      | 21.8  |      |

a/ 311/2 includes 313 and 314

c/ 331 includes 332

e/ 351 includes 352, 353, 354, 355 and 356

g/ 371 includes 372

b/ 321 includes 322, 323 and 324

d/ 341 includes 342

f/ 361 includes 362 and 369

h/ 381 includes 382, 383, 384 and 385

## Paraguay

## Gross fixed capital formation

(million GUARANIES)

| ISIC Industry                             | Note | 1985 | 1989 | 1990 | 1991 |
|---|------|------|------|------|------|
| 311/2 Food Products                       |      |      |      |      |      |
| 313 Beverages                             |      |      |      |      |      |
| 314 Tobacco                               |      |      |      |      |      |
| 321 Textiles                              |      |      |      |      |      |
| 322 Wearing apparel, except footwear      |      |      |      |      |      |
| 323 Leather and fur products              |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      |      |      |      |      |
| 331 Wood products, except furniture       |      |      |      |      |      |
| 332 Furniture and fixtures, excl metal    |      |      |      |      |      |
| 341 Paper and products                    |      |      |      |      |      |
| 342 Printing and publishing               |      |      |      |      |      |
| 351 Industrial chemicals                  |      |      |      |      |      |
| 352 Other chemicals                       |      |      |      |      |      |
| 353 Petroleum refineries                  |      |      |      |      |      |
| 354 Misc petroleum and coal products      |      |      |      |      |      |
| 355 Rubber products                       |      |      |      |      |      |
| 356 Plastic products                      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      |      |      |      |      |
| 362 Glass and products                    |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      |      |      |      |      |
| 371 Iron and steel                        |      |      |      |      |      |
| 372 Non-ferrous metals                    |      |      |      |      |      |
| 381 Fabricated metal products             |      |      |      |      |      |
| 382 Non-electrical machinery              |      |      |      |      |      |
| 383 Electrical machinery                  |      |      |      |      |      |
| 384 Transport equipment                   |      |      |      |      |      |
| 325 Professional and scientific equipment |      |      |      |      |      |
| 390 Other manufacturing industries        |      |      |      |      |      |
| 3 Total manufacturing                     |      |      |      |      |      |

## Index numbers of industrial production

(1980=100)

| Note | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
|------|------|------|------|------|------|------|------|------|------|
|      | 108  | 110  | 115  | 122  | 109  | 150  | 153  | 149  | 164  |
|      | 116  | 119  | 120  | 124  | 124  | 128  | 142  | 153  | 157  |
|      | 136  | 138  | 125  | 175  | 179  | 189  | 157  | 136  | 130  |
|      | 114  | 169  | 115  | 95   | 196  | 215  | 224  | 230  | 171  |
|      | 121  | 138  | 114  | 125  | 129  | 118  | 89   | 67   | 61   |
|      | 95   | 85   | 108  | 112  | 116  | 102  | 102  | 199  | 192  |
|      | 132  | 126  | 129  | 139  | 132  | 174  | 116  | 122  | 124  |
|      | 69   | 62   | 63   | 71   | 75   | 79   | 88   | 91   | 91   |
|      | 158  | 161  | 165  | 171  | 161  | 157  | 150  | 155  | 167  |
|      | 120  | 125  | 144  | 155  | 152  | 135  | 136  | 140  | 139  |
|      | 135  | 138  | 126  | 129  | 138  | 127  | 117  | 122  | 124  |
|      | 120  | 133  | 104  | 131  | 116  | 108  | 106  | 107  | 97   |
|      | 101  | 122  | 98   | 100  | 102  | 90   | 89   | 95   | 72   |
|      | 46   | 50   | 51   | 60   | 77   | 69   | 74   | 66   | 64   |
|      | 170  | 210  | 211  | 216  | 200  | 177  | 175  | 191  | 195  |
|      | 231  | 347  | 269  | 279  | 324  | 288  | 345  | 354  | 363  |
|      | 93   | 82   | 107  | 125  | 128  | 113  | 114  | 116  | 139  |
|      | 269  | 277  | 283  | 291  | 306  | 270  | 229  | 236  | 242  |
|      | 147  | 167  | 149  | 154  | 147  | 133  | 118  | 128  | 121  |
|      | 136  | 167  | 158  | 160  | 161  | 143  | 132  | 145  | 155  |
|      | 348  | 458  | 426  | 446  | 471  | 442  | 397  | 409  | 422  |
|      | 267  | 316  | 290  | 268  | 250  | 239  | 200  | 202  | 217  |
|      | 137  | 63   | 57   | 58   | 52   | 46   | 23   | 4    | 4    |
|      | 242  | 271  | 228  | 235  | 221  | 202  | 155  | 169  | 163  |
|      | 106  | 112  | 108  | 113  | 119  | 132  | 133  | 134  | 135  |

## PERU

**Supplier of information:**

Instituto Nacional de Estadística, Lima.

The indices of industrial production are compiled by the Ministerio de Industria, Turismo e Integración.

**Basic source of data:**

Survey of manufacturing industries.

**Major deviations from current version of ISIC:**

The following industries are omitted from the scope of manufacturing: canning, preserving and processing of fish and crustacea; extraction of fish and other marine animal oils; production of fish meal.

**Reference period (if not calendar year):****Scope:**

Establishments with 5 or more persons engaged.

Estimates of output and value added are derived from national accounts calculations and cover all establishments, including handicrafts.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of establishments refers to those operating during the whole or part of the year.

Wages and salaries relates to payments in cash and kind during the year, excluding bonuses.

Value added represents the contribution of each branch of industry to gross domestic product.

**Related national publications:**

Cuentas Nacionales del Peru, published by the Instituto Nacional de Estadística, Lima.

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note  | Number of persons engaged |       |      |      | Note  | Wages and salaries paid to employees |         |      |      |
|--|------|--------------------------|------|------|------|-------|---------------------------|-------|------|------|-------|--------------------------------------|---------|------|------|
|  |      | (numbers)                |      |      |      |       | (numbers)                 |       |      |      |       | (million INTIS)                      |         |      |      |
|  |      | 1985                     | 1987 | 1988 | 1989 |       | 1985                      | 1987  | 1988 | 1989 |       | 1985                                 | 1987    | 1988 | 1989 |
| 311/2 Food Products                              | a/   | 2061                     | 2251 | 2282 |      | 40151 | 42164                     | 43117 |      | a/   | 831 0 | 3621 0                               | 22759 0 |      |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 44                       | 49   | 54   |      | 919   | 1069                      | 1005  |      |      | 16 3  | 88 0                                 | 531 0   |      |      |
| 3112 Dairy products                              |      | 107                      | 133  | 136  |      | 2837  | 28.0                      | 2975  |      |      | 75 2  | 329 0                                | 2036 0  |      |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 78                       | 99   | 101  |      | 1855  | 2461                      | 3004  |      |      | 27 3  | 211 0                                | 1106 0  |      |      |
| 3114 Canning, preserving and processing of fish  |      | -                        | -    | -    |      | -     | -                         | -     |      |      | -     | -                                    | -       |      |      |
| 3115 Vegetable and animal oils and fats          |      | 42                       | 42   | 42   |      | 2043  | 2117                      | 2105  |      |      | 67 5  | 327 0                                | 2063 0  |      |      |
| 3116 Grain mill products                         |      | 236                      | 242  | 249  |      | 4469  | 4411                      | 4248  |      |      | 101 8 | 488 0                                | 2627 0  |      |      |
| 3117 Bakery products                             |      | 1033                     | 1144 | 1152 |      | 12948 | 14535                     | 14739 |      |      | 157 8 | 788 0                                | 4563 0  |      |      |
| 3118 Sugar factories and refineries              |      | 44                       | 44   | 43   |      | 6250  | 5798                      | 5787  |      |      | 202 0 | 636 0                                | 4778 0  |      |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 94                       | 106  | 103  |      | 2806  | 2990                      | 3314  |      |      | 59 0  | 301 0                                | 1462 0  |      |      |
| 3121 Other food products                         |      | 297                      | 319  | 319  |      | 4250  | 4109                      | 4136  |      |      | 79 7  | 319 0                                | 2690 0  |      |      |
| 3122 Prepared animal feeds                       |      | 56                       | 73   | 85   |      | 1774  | 1844                      | 1804  |      |      | 45 4  | 176 0                                | 833 0   |      |      |
| 313 Beverages                                    |      | 542                      | 579  | 580  |      | 12852 | 14688                     | 14526 |      |      | 284 8 | 1695 0                               | 8524 0  |      |      |
| 3131 Distilling, rectifying and blending spirits |      | 270                      | 289  | 292  |      | 2391  | 2494                      | 2469  |      |      | 42 2  | 206 0                                | 927 0   |      |      |
| 3132 Wine industries                             |      | 108                      | 116  | 116  |      | 1167  | 1333                      | 1282  |      |      | 16 4  | 98 0                                 | 408 0   |      |      |
| 3133 Malt, liquors and malt                      |      | 13                       | 13   | 13   |      | 5955  | 4412                      | 4338  |      |      | 135 3 | 768 0                                | 4307 0  |      |      |
| 3134 Soft drinks and carbonated waters           |      | 151                      | 161  | 159  |      | 6339  | 6449                      | 6437  |      |      | 91 0  | 623 0                                | 2881 0  |      |      |
| 314 Tobacco                                      |      | 3                        | 3    | 3    |      | 777   | 799                       | 743   |      |      | 30 7  | 142 0                                | 600 0   |      |      |
| 321 Textiles                                     |      | 952                      | 1111 | 1149 |      | 35320 | 39460                     | 41915 |      |      | 662 8 | 3791 0                               | 22219 0 |      |      |
| 3211 Spinning, weaving and finishing textiles    |      | 414                      | 491  | 504  |      | 24897 | 29199                     | 30595 |      |      | 541.3 | 3083 0                               | 17488 0 |      |      |
| 3212 Made-up textile goods excl wearing apparel  |      | 59                       | 75   | 78   |      | 861   | 1036                      | 1104  |      |      | 9 7   | 88 0                                 | 461 0   |      |      |
| 3213 Knitting mills                              |      | 425                      | 485  | 503  |      | 7528  | 8346                      | 9160  |      |      | 101 8 | 559 0                                | 3740 0  |      |      |
| 3214 Carpets and rugs                            |      | 18                       | 20   | 20   |      | 263   | 290                       | 334   |      |      | 4 0   | 19 0                                 | 104 0   |      |      |
| 3215 Cordage, rope and twine                     |      | 14                       | 17   | 18   |      | 167   | 328                       | 358   |      |      | 3 1   | 48 0                                 | 320 0   |      |      |
| 3219 Other textiles                              |      | 22                       | 23   | 26   |      | 204   | 261                       | 304   |      |      | 3 0   | 19 0                                 | 104 0   |      |      |
| 322 Wearing apparel, except footwear             |      | 1220                     | 1536 | 1598 |      | 17091 | 22810                     | 23538 |      |      | 162 0 | 959 0                                | 5296 0  |      |      |
| 323 Leather and fur products                     |      | 231                      | 257  | 260  |      | 3550  | 3926                      | 3977  |      |      | 45 7  | 237 0                                | 1221 0  |      |      |
| 3231 Tanneries and leather finishing             |      | 112                      | 129  | 131  |      | 2452  | 2753                      | 2701  |      |      | 32 8  | 184 0                                | 912 0   |      |      |
| 3232 Fur dressing and dyeing industries          |      | 45                       | 46   | 46   |      | 336   | 374                       | 375   |      |      | 6 0   | 19 0                                 | 116 0   |      |      |
| 3233 Leather prods excl wearing apparel          |      | 74                       | 82   | 83   |      | 762   | 799                       | 901   |      |      | 7 0   | 33 0                                 | 193 0   |      |      |
| 324 Footwear, except rubber or plastic           |      | 444                      | 574  | 597  |      | 6642  | 8251                      | 8879  |      |      | 74 3  | 504 0                                | 2319 0  |      |      |
| 331 Wood products, except furniture              |      | 697                      | 761  | 758  |      | 9632  | 9767                      | 1007  |      |      | 97 2  | 442 0                                | 2350 0  |      |      |
| 3311 Sawmills, planing and other wood mills      |      | 556                      | 613  | 611  |      | 8489  | 8502                      | 8839  |      |      | 85 7  | 396 0                                | 2079 0  |      |      |
| 3312 Wooden and cane containers                  |      | 45                       | 48   | 48   |      | 359   | 359                       | 411   |      |      | 3 7   | 14 0                                 | 124 0   |      |      |
| 3319 Other wood and cork products                |      | 93                       | 100  | 99   |      | 784   | 906                       | 829   |      |      | 7 8   | 31 0                                 | 146 0   |      |      |
| 332 Furniture and fixtures, excl metal           |      | 611                      | 730  | 750  |      | 6761  | 8002                      | 7935  |      |      | 73 1  | 410 0                                | 2083 0  |      |      |
| 341 Paper and products                           |      | 143                      | 180  | 192  |      | 5725  | 6856                      | 6923  |      |      | 148 7 | 1017 0                               | 5420 0  |      |      |
| 3411 Pulp, paper and paperboard articles         |      | 19                       | 24   | 20   |      | 2733  | 3087                      | 3037  |      |      | 87 2  | 596 0                                | 3237 0  |      |      |
| 3412 Containers of paper and paperboard          |      | 70                       | 88   | 90   |      | 1662  | 2101                      | 2272  |      |      | 36 7  | 237 0                                | 1213 0  |      |      |
| 3419 Other pulp, paper and paperboard articles   |      | 54                       | 68   | 82   |      | 1330  | 1668                      | 1614  |      |      | 24 8  | 183 0                                | 909 0   |      |      |
| 342 Printing and publishing                      |      | 679                      | 798  | 803  |      | 11837 | 13312                     | 13000 |      |      | 225 0 | 1288 0                               | 6125 0  |      |      |
| 351 Industrial chemicals                         |      | 219                      | 252  | 262  |      | 8163  | 8344                      | 8384  |      |      | 257 5 | 1132 0                               | 6629 0  |      |      |
| 3511 Basic chemicals excl fertilizers            |      | 148                      | 181  | 186  |      | 3340  | 3559                      | 3698  |      |      | 94 8  | 464 0                                | 2748 0  |      |      |
| 3512 Fertilizers and pesticides                  |      | 34                       | 33   | 36   |      | 1582  | 1436                      | 1469  |      |      | 63 9  | 190 0                                | 1049 0  |      |      |
| 3513 Synthetic resins and plastic materials      |      | 37                       | 38   | 40   |      | 3241  | 3349                      | 3317  |      |      | 98 7  | 488 0                                | 2831 0  |      |      |
| 352 Other chemicals                              |      | 564                      | 656  | 669  |      | 15828 | 17407                     | 16898 |      |      | 426 3 | 2081 0                               | 11810 0 |      |      |
| 3521 Paints, varnishes and lacquers              |      | 58                       | 67   | 70   |      | 1470  | 1763                      | 1604  |      |      | 34 4  | 199 0                                | 1234 0  |      |      |
| 3522 Drugs and medicines                         |      | 134                      | 144  | 146  |      | 6753  | 6567                      | 6579  |      |      | 161 9 | 792 0                                | 4118 0  |      |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 131                      | 149  | 147  |      | 3278  | 3874                      | 3679  |      |      | 116 2 | 675 0                                | 3318 0  |      |      |
| 3529 Other chemical products                     |      | 241                      | 296  | 306  |      | 4327  | 5203                      | 5136  |      |      | 113 8 | 615 0                                | 3142 0  |      |      |
| 353 Petroleum refineries                         |      | 16                       | 18   | 17   |      | 3855  | 3886                      | 3864  |      |      | 290 0 | 662 0                                | 3162 0  |      |      |

|  |          |       |       |           |        |        |           |         |          |
|--|----------|-------|-------|-----------|--------|--------|-----------|---------|----------|
| 354 Misc petroleum and coal products               | 10       | 11    | 12    | 100       | 68     | 68     | 1 0       | 4 0     | 24 0     |
| 355 Rubber products                                | 78       | 101   | 108   | 2959      | 3433   | 3392   | 98 9      | 463 0   | 2596 0   |
| 3551 Tyres and tubes                               | 6        | 6     | 6     | 1384      | 1352   | 1314   | 71 2      | 251 0   | 1678 0   |
| 3559 Other rubber products                         | 72       | 95    | 102   | 1575      | 2051   | 2078   | 27 6      | 172 0   | 918 0    |
| 356 Plastic products                               | 354      | 474   | 499   | 9077      | 11202  | 11164  | 165 3     | 1094 0  | 5493 0   |
| 361 Pottery, china, earthenware                    | 38       | 49    | 47    | 1110      | 1282   | 852    | 17 7      | 125 0   | 405 0    |
| 362 Glass and products                             | 106      | 118   | 126   | 3054      | 3983   | 3737   | 58 0      | 344 0   | 1990 0   |
| 369 Other non-metallic mineral products            | 545      | 637   | 662   | 9864      | 11362  | 11741  | 173 8     | 924 0   | 5589 0   |
| 3691 Structural clay products                      | 264      | 302   | 319   | 4387      | 5277   | 5641   | 44 0      | 338 0   | 1974 0   |
| 3692 Cement, lime and plaster                      | 45       | 55    | 55    | 1988      | 2178   | 2177   | 72 5      | 321 0   | 2058 0   |
| 3699 Other non-metallic mineral products           | 236      | 280   | 288   | 3489      | 3907   | 3923   | 57 4      | 264 0   | 1557 0   |
| 371 Iron and steel                                 | 74       | 71    | 73    | 7197      | 7200   | 6048   | 268 6     | 1130 0  | 5841 0   |
| 372 Non-ferrous metals                             | 71       | 92    | 86    | 4259      | 5588   | 5225   | 102 4     | 569 0   | 3052 0   |
| 381 Fabricated metal products                      | 1166     | 1415  | 1442  | 15796     | 20650  | 18840  | 245 4     | 1321 0  | 7115 0   |
| 3811 Cutlery, hand tools and general hardware      | 104      | 112   | 109   | 1601      | 1819   | 1362   | 30 1      | 161 0   | 522 0    |
| 3812 Furniture and fixtures primarily of metal     | 166      | 197   | 201   | 2479      | 2812   | 2844   | 26 2      | 136 0   | 762 0    |
| 3813 Structural metal products                     | 225      | 270   | 273   | 2792      | 3243   | 3260   | 45 4      | 193 0   | 941 0    |
| 3819 Other fabricated metal products               | 671      | 836   | 859   | 8924      | 12776  | 11374  | 143 6     | 830 0   | 4829 0   |
| 382 Non-electrical machinery                       | 504      | 600   | 636   | 10383     | 11271  | 11411  | 189 1     | 968 0   | 5407 0   |
| 3821 Engines and turbines                          | 20       | 21    | 20    | 198       | 212    | 212    | 2 7       | 15 0    | 80 0     |
| 3822 Agricultural machinery and equipment          | 51       | 53    | 58    | 1694      | 1494   | 1723   | 43 3      | 130 0   | 922 0    |
| 3823 Metal and wood working machinery              | 51       | 55    | 53    | 461       | 500    | 485    | 9 6       | 25 0    | 208 0    |
| 3824 Other special industrial machinery            | 68       | 89    | 92    | 1270      | 1328   | 1452   | 21 3      | 118 0   | 616 0    |
| 3825 Office, computing and accounting machinery    | 22       | 33    | 36    | 338       | 441    | 479    | 4 5       | 33 0    | 201 0    |
| 3829 Other non-electrical machinery & equipment    | 292      | 349   | 377   | 6422      | 7296   | 7060   | 107 7     | 645 0   | 3380 0   |
| 383 Electrical machinery                           | 411      | 483   | 476   | 8363      | 10503  | 10318  | 193 8     | 1104 0  | 5558 0   |
| 3831 Electrical industrial machinery               | 93       | 105   | 105   | 2228      | 2510   | 2681   | 48 6      | 262 0   | 1329 0   |
| 3832 Radio, television and communication equipment | 131      | 162   | 160   | 2087      | 2873   | 2619   | 44 4      | 274 0   | 921 0    |
| 3833 Electrical appliances and housewares          | 54       | 68    | 66    | 940       | 1695   | 1686   | 15 7      | 35 0    | 1060 0   |
| 3839 Other electrical apparatus and supplies       | 133      | 148   | 145   | 3108      | 3425   | 3332   | 82 0      | 431 0   | 2248 0   |
| 384 Transport equipment                            | 405      | 471   | 492   | 8975      | 10585  | 14258  | 199 4     | 1083 0  | 5961 0   |
| 3841 Shipbuilding and repairing                    | 64       | 70    | 74    | 1263      | 1313   | 5640   | 33 4      | 111 0   | 1524 0   |
| 3842 Railroad equipment                            | 1        | 2     | 2     | 88        | 84     | 91     | 0 9       | 9 0     | 24 0     |
| 3843 Motor vehicles                                | 301      | 351   | 363   | 7017      | 8356   | 7601   | 152 8     | 880 0   | 3962 0   |
| 3844 Motorcycles and bicycles                      | 29       | 34    | 38    | 494       | 679    | 734    | 11 0      | 74 0    | 381 0    |
| 3845 Aircraft                                      | -        | -     | 1     | -         | -      | 28     | -         | -       | 23 0     |
| 3849 Other transport equipment                     | 10       | 14    | 14    | 113       | 154    | 164    | 1 4       | 7 0     | 45 0     |
| 385 Professional and scientific equipment          | 84       | 93    | 96    | 1182      | 1640   | 1645   | 29 6      | 165 0   | 988 0    |
| 3851 Prof. and scientific equipment - a c          | 35       | 40    | 42    | 844       | 1236   | 1250   | 24 7      | 133 0   | 864 0    |
| 3852 Photographic and optical goods                | 39       | 44    | 45    | 332       | 392    | 384    | 4 8       | 31 0    | 123 0    |
| 3853 Watches and clocks                            | 10       | 9     | 9     | 6         | 11     | 11     | -         | 0 3     | 1 0      |
| 390 Other manufacturing industries                 | 408      | 452   | 462   | 4250      | 5155   | 5420   | 64 3      | 377 0   | 2043 0   |
| 3901 Jewellery and related articles                | 130      | 160   | 162   | 1248      | 1795   | 1923   | 19 1      | 131 0   | 802 0    |
| 3902 Musical instruments                           | 15       | 16    | 16    | 62        | 71     | 71     | 0 8       | 1 0     | 13 0     |
| 3903 Sporting and athletic goods                   | 12       | 11    | 13    | 73        | 57     | 52     | 0 7       | 2 0     | 20 0     |
| 3909 Manufacturing industries, n e c               | 251      | 265   | 271   | 2867      | 3231   | 3334   | 43 7      | 242 0   | 1206 0   |
| 3 Total manufacturing                              | a/ 12636 | 14773 | 15137 | a/ 263348 | 303565 | 309897 | a/ 5416 4 | 27652 0 | 152579 0 |

a/ Excluding canning, preserving and processing of fish and crustacea, extraction of fish and other marine animal oils, production of fish meal

## Peru

| ISIC Industry                                    | Note | Output in producers' prices<br>(million INTIS) |       |        |      | Note  | Value added in producers' prices<br>(million INTIS) |        |      |      | Share of value added in output<br>(percentage) |      | Share of wages and salaries in value added<br>(percentage) |      |
|--|------|--|-------|--------|------|-------|---|--------|------|------|--|------|--|------|
|  |      | 1985   | 1987  | 1988   | 1989 |       | 1985  | 1987   | 1988 | 1989 | 1985   | 1989 | 1985   | 1989 |
| 310/2 Food Products                              | a/   | 17500  | 61207 | 371643 |      | 4407  | 18300   | 147114 |      | 25.2 |  | 18.9 |  |      |
| 311 Slaughtering, preparing & preserving meat    |      | 297  | 1178  |        |      | 106   | 376   | 2703   |      | 35.7 |  | 14.4 |  |      |
| 3112 Dairy products                              |      | 1393   | 4833  |        |      | 399   | 1221  | 10567  |      | 28.6 |  | 18.9 |  |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 357  | 2697  |        |      | 114   | 937   | 5239   |      | 31.8 |  | 24.1 |  |      |
| 3114 Canning, preserving and processing of fish  |      | -  | -     |        |      | -     | -   | -      |      | -    |  | -    |  |      |
| 3115 Vegetable and animal oils and fats          |      | 2379   | 6044  |        |      | 455   | 1280  | 15748  |      | 19.1 |  | 14.8 |  |      |
| 3116 Grain mill products                         |      | 3694   | 11449 |        |      | 805   | 2948  | 19442  |      | 21.8 |  | 12.6 |  |      |
| 3117 Bakery products                             |      | 2391   | 9710  |        |      | 596   | 3138  | 22665  |      | 24.9 |  | 26.5 |  |      |
| 3118 Sugar factories and refineries              |      | 2635   | 6842  |        |      | 751   | 2367  | 17260  |      | 28.6 |  | 26.9 |  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 928  | 4579  |        |      | 268   | 1631  | 9146   |      | 28.9 |  | 22.0 |  |      |
| 3121 Other food products                         |      | 1505   | 6303  |        |      | 559   | 2496  | 36866  |      | 37.1 |  | 14.3 |  |      |
| 3122 Prepared animal feeds                       |      | 1921   | 7568  |        |      | 355   | 1906  | 7478   |      | 18.5 |  | 12.8 |  |      |
| 313 Beverages                                    |      | 6098   | 28995 | 135490 |      | 3322  | 18604   | 96414  |      | 54.5 |  | 8.6  |  |      |
| 3131 Distilling, rectifying and blending spirits |      | 831  | 4538  |        |      | 423   | 2455  | 7532   |      | 61.0 |  | 10.0 |  |      |
| 3132 Wine industries                             |      | 194  | 1493  |        |      | 105   | 704   | 2360   |      | 54.4 |  | 15.5 |  |      |
| 3133 Malt liquors and malt                       |      | 3569   | 13777 |        |      | 2168  | 10422   | 62844  |      | 60.7 |  | 6.2  |  |      |
| 3134 Soft drinks and carbonated waters           |      | 1504   | 9187  |        |      | 625   | 5064  | 23679  |      | 41.6 |  | 14.6 |  |      |
| 314 Tobacco                                      |      | 873  | 3205  | 13999  |      | 671   | 2600  | 11789  |      | 76.8 |  | 4.6  |  |      |
| 321 Textiles                                     |      | 9715   | 34709 | 211078 |      | 3867  | 14710   | 111215 |      | 39.8 |  | 17.1 |  |      |
| 3211 Spinning, weaving and finishing textiles    |      | 7784   | 26977 |        |      | 3123  | 12136   | 89247  |      | 40.1 |  | 17.3 |  |      |
| 3212 Made-up textile goods excl. wearing apparel |      | 123  | 493   |        |      | 52    | 193   | 2177   |      | 42.5 |  | 18.5 |  |      |
| 3213 Knitting mills                              |      | 1560   | 6351  |        |      | 621   | 2138  | 17467  |      | 39.8 |  | 16.4 |  |      |
| 3214 Carpets and rugs                            |      | 85   | 203   |        |      | 22    | 42  | 265    |      | 25.3 |  | 18.4 |  |      |
| 3215 Cordage, rope and twine                     |      | 121  | 483   |        |      | 38    | 155   | 1643   |      | 31.1 |  | 8.3  |  |      |
| 3219 Other textiles                              |      | 42   | 202   |        |      | 13    | 46  | 415    |      | 31.0 |  | 23.1 |  |      |
| 322 Wearing apparel, except footwear             |      | 1916   | 12239 | 68586  |      | 566   | 3572  | 27928  |      | 23.6 |  | 28.6 |  |      |
| 323 Leather and fur products                     |      | 668  | 3106  | 14490  |      | 218   | 932   | 5939   |      | 32.7 |  | 20.9 |  |      |
| 3231 Tanneries and leather finishing             |      | 503  | 2522  |        |      | 170   | 753   | 5003   |      | 33.7 |  | 19.3 |  |      |
| 3232 Fur dressing and dyeing industries          |      | 65   | 217   |        |      | 16    | 61  | 417    |      | 24.8 |  | 37.3 |  |      |
| 3233 Leather prods. excl. wearing apparel        |      | 101  | 367   |        |      | 33    | 117   | 518    |      | 32.5 |  | 21.3 |  |      |
| 324 Footwear, except rubber or plastic           |      | 723  | 4207  | 20724  |      | 223   | 1255  | 6686   |      | 30.8 |  | 33.3 |  |      |
| 331 Wood products, except furniture              |      | 1395   | 5277  | 35859  |      | 349   | 1468  | 8475   |      | 25.2 |  | 27.9 |  |      |
| 3311 Sawmills, planing and other wood mills      |      | 1223   | 4919  |        |      | 302   | 1348  | 7587   |      | 24.7 |  | 28.4 |  |      |
| 3312 Wooden and cane containers                  |      | 58   | 167   |        |      | 14    | 49  | 455    |      | 23.4 |  | 27.1 |  |      |
| 3319 Other wood and cork products                |      | 104  | 191   |        |      | 33    | 72  | 432    |      | 32.1 |  | 23.3 |  |      |
| 332 Furniture and fixtures, excl. metal          |      | 526  | 3544  | 16368  |      | 209   | 1105  | 7205   |      | 39.6 |  | 36.1 |  |      |
| 341 Paper and products                           |      | 2638   | 11927 | 65431  |      | 845   | 3392  | 32740  |      | 32.0 |  | 17.6 |  |      |
| 3411 Pulp, paper and paperboard articles         |      | 1455   | 5154  |        |      | 442   | 1739  | 16706  |      | 30.4 |  | 19.7 |  |      |
| 3412 Containers of paper and paperboard          |      | 658  | 4208  |        |      | 232   | 913   | 8590   |      | 35.3 |  | 15.8 |  |      |
| 3419 Other pulp, paper and paperboard articles   |      | 525  | 2565  |        |      | 171   | 740   | 7444   |      | 32.5 |  | 18.5 |  |      |
| 342 Printing and publishing                      |      | 2296   | 11824 | 73419  |      | 874   | 4764  | 35162  |      | 38.1 |  | 25.7 |  |      |
| 351 Industrial chemicals                         |      | 4153   | 11101 | 81800  |      | 1729  | 4498  | 46992  |      | 41.6 |  | 14.9 |  |      |
| 3511 Basic chemicals excl. fertilizers           |      | 1527   | 4601  |        |      | 633   | 1823  | 24970  |      | 41.5 |  | 15.0 |  |      |
| 3512 Fertilizers and pesticides                  |      | 934  | 1497  |        |      | 537   | 663   | 7456   |      | 57.5 |  | 11.9 |  |      |
| 3513 Synthetic resins and plastic materials      |      | 1692   | 5002  |        |      | 559   | 2011  | 14565  |      | 33.0 |  | 17.7 |  |      |
| 352 Other chemicals                              |      | 5860   | 22048 | 134056 |      | 2113  | 8562  | 64144  |      | 36.1 |  | 20.2 |  |      |
| 3521 Paints, varnishes and lacquers              |      | 584  | 2619  |        |      | 199   | 749   | 6339   |      | 34.1 |  | 17.2 |  |      |
| 3522 Drugs and medicines                         |      | 1896   | 7040  |        |      | 638   | 2722  | 14621  |      | 33.7 |  | 25.4 |  |      |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      | 1984   | 7355  |        |      | 760   | 3108  | 22426  |      | 38.3 |  | 15.3 |  |      |
| 3529 Other chemical products                     |      | 1396   | 5034  |        |      | 516   | 1953  | 20168  |      | 36.9 |  | 22.1 |  |      |
| 353 Petroleum refineries                         |      | 20927  | 34586 | 225060 |      | 12665 | 18823   | 156632 |      | 60.5 |  | 2.3  |  |      |

|      |   |           |        |         |          |        |         |      |      |
|------|---|-----------|--------|---------|----------|--------|---------|------|------|
| 354  | Misc petroleum and coal products              | 16        | 68     | 360     | 6        | 31     | 162     | 39 6 | 15 3 |
| 355  | Rubber products                               | 1328      | 3956   | 31302   | 574      | 1971   | 20980   | 42 9 | 17 2 |
| 3551 | Tyres and tubes                               | 965       | 2368   |         | 430      | 1185   | 16005   | 44 6 | 16 6 |
| 3559 | Other rubber products                         | 373       | 1588   |         | 143      | 786    | 4975    | 38 4 | 19 3 |
| 356  | Plastic products                              | 2581      | 12210  | 75810   | 984      | 4724   | 37303   | 38 1 | 16 8 |
| 361  | Pottery, china, earthenware                   | 198       | 624    | 2241    | 92       | 370    | 1191    | 46 5 | 19 2 |
| 362  | Glass and products                            | 642       | 2731   | 18925   | 165      | 1274   | 8664    | 25 7 | 35 1 |
| 369  | Other non-metallic mineral products           | 2810      | 8638   | 58018   | 1236     | 3994   | 30146   | 44 0 | 14 1 |
| 3691 | Structural clay products                      | 591       | 2454   |         | 274      | 1150   | 8337    | 46 3 | 16 1 |
| 3692 | Cement, lime and plaster                      | 1490      | 3587   |         | 642      | 1571   | 15725   | 43 1 | 11 3 |
| 3699 | Other non-metallic mineral products           | 729       | 2597   |         | 320      | 1273   | 6084    | 43 9 | 17 9 |
| 371  | Iron and steel                                | 3407      | 8576   | 78934   | 1350     | 1966   | 44576   | 39 6 | 19 9 |
| 372  | Non-ferrous metals                            | 5770      | 12202  | 78993   | 1891     | 3678   | 26496   | 32 8 | 5 4  |
| 381  | Fabricated metal products                     | 3647      | 14164  | 84231   | 1236     | 4884   | 39734   | 33 9 | 19 9 |
| 3811 | Cutlery, hand tools and general hardware      | 459       | 1560   |         | 176      | 615    | 2872    | 38 2 | 17 2 |
| 3812 | Furniture and fixtures primarily of metal     | 237       | 1233   |         | 82       | 407    | 2125    | 34 7 | 32 0 |
| 3813 | Structural metal products                     | 423       | 2054   |         | 139      | 659    | 3465    | 32 8 | 32 8 |
| 3819 | Other fabricated metal products               | 2528      | 9318   |         | 839      | 3203   | 31272   | 33 2 | 17 1 |
| 382  | Non-electrical machinery                      | 1839      | 8791   | 52399   | 637      | 3221   | 28567   | 34 7 | 29 7 |
| 3821 | Engines and turbines                          | 35        | 119    |         | 13       | 43     | 316     | 36 1 | 20 9 |
| 3822 | Agricultural machinery and equipment          | 166       | 781    |         | 80       | 360    | 1855    | 47 9 | 54 4 |
| 3823 | Metal and wood working machinery              | 61        | 274    |         | 27       | 119    | 1497    | 44 8 | 35 5 |
| 3824 | Other special industrial machinery            | 226       | 740    |         | 61       | 322    | 2953    | 26 9 | 35 0 |
| 3825 | Office, computing and accounting machinery    | 50        | 379    |         | 16       | 163    | 849     | 32 9 | 27 3 |
| 3829 | Other non-electrical machinery & equipment    | 1300      | 6497   |         | 441      | 2214   | 21096   | 33 9 | 24 4 |
| 383  | Electrical machinery                          | 3059      | 16756  | 79068   | 1221     | 7745   | 37520   | 39 9 | 15 9 |
| 3831 | Electrical industrial machinery               | 400       | 1985   |         | 194      | 910    | 6823    | 48 6 | 25 0 |
| 3832 | Radio, television and communication equipment | 823       | 7462   |         | 344      | 3119   | 7792    | 41 8 | 12 9 |
| 3833 | Electrical appliances and housewares          | 283       | 1665   |         | 95       | 919    | 5175    | 33 5 | 19 7 |
| 3839 | Other electrical apparatus and supplies       | 1554      | 5644   |         | 588      | 2797   | 17730   | 37 8 | 13 9 |
| 384  | Transport equipment                           | 3133      | 12449  | 78958   | 1162     | 4806   | 43803   | 37 1 | 17 2 |
| 3841 | Shipbuilding and repairing                    | 656       | 1411   |         | 277      | 599    | 7313    | 42 2 | 12 1 |
| 3842 | Railroad equipment                            | 15        | 55     |         | 10       | 31     | 30      | 67 9 | 8 7  |
| 3843 | Motor vehicles                                | 2303      | 9868   |         | 820      | 3823   | 34321   | 35 6 | 18 6 |
| 3844 | Motorcycles and bicycles                      | 140       | 1026   |         | 49       | 328    | 1885    | 34 8 | 22 4 |
| 3845 | Aircraft                                      | -         | -      |         | -        | -      | 62      | -    | -    |
| 3849 | Other transport equipment                     | 19        | 89     |         | 6        | 25     | 191     | 32 7 | 22 4 |
| 385  | Professional and scientific equipment         | 236       | 1310   | 7836    | 107      | 584    | 4267    | 45 3 | 27 7 |
| 3851 | Prof and scientific equipment n.e.c.          | 203       | 1038   |         | 94       | 492    | 3752    | 46 5 | 26 2 |
| 3852 | Photographic and optical goods                | 30        | 248    |         | 12       | 87     | 460     | 41 2 | 38 9 |
| 3853 | Watches and clocks                            | 3         | 23     |         | -        | 5      | 55      | 5 4  | 28 3 |
| 390  | Other manufacturing industries                | 1105      | 5493   | 32702   | 277      | 1608   | 11949   | 25 0 | 23 2 |
| 3901 | Jewellery and related articles                | 585       | 2769   |         | 57       | 568    | 5986    | 9 6  | 33 6 |
| 3902 | Musical instruments                           | 6         | 14     |         | 3        | 5      | 55      | 40 6 | 32 8 |
| 3903 | Sporting and athletic goods                   | 3         | 26     |         | 1        | 9      | 99      | 48 5 | 49 2 |
| 3909 | Manufacturing industries, n.e.c.              | 507       | 2683   |         | 216      | 1026   | 5809    | 42 6 | 20 2 |
| 3    | Total manufacturing                           | a/ 105059 | 356942 | 2147800 | a/ 42997 | 143439 | 1093793 | 40 9 | 12 6 |

a/ Excluding canning, preserving and processing of fish and crustacea, extraction of fish and other marine animal oils, production of fish meal

## Peru

## Gross fixed capital formation

(million INTIS)

| ISIC Industry                             | Note | 1985 | 1987  | 1988  | 1989 |
|---|------|------|-------|-------|------|
| 311/2 Food Products                       | a/   | 255  | 1390  | 13141 |      |
| 313 Beverages                             |      | 393  | 1298  | 7170  |      |
| 314 Tobacco                               |      | 4    | 13    | 164   |      |
| 321 Textiles                              |      | 378  | 1947  | 18378 |      |
| 322 Wearing apparel, except footwear      |      | 11   | 122   | 2514  |      |
| 323 Leather and fur products              |      | 13   | 70    | 720   |      |
| 324 Footwear, except rubber or plastic    |      | 8    | 72    | 857   |      |
| 331 Wood products, except furniture       |      | 42   | 150   | 432   |      |
| 332 Furniture and fixtures, excl metal    |      | 10   | 36    | 177   |      |
| 341 Paper and products                    |      | 62   | 279   | 4158  |      |
| 342 Printing and publishing               |      | 46   | 309   | 1834  |      |
| 351 Industrial chemicals                  |      | 110  | 636   | 5352  |      |
| 352 Other chemicals                       |      | 214  | 438   | 5437  |      |
| 353 Petroleum refineries                  |      | 54   | 68    | 510   |      |
| 354 Misc. petroleum and coal products     |      | -    | -     | -     |      |
| 355 Rubber products                       |      | 26   | 205   | 1148  |      |
| 356 Plastic products                      |      | 114  | 780   | 4890  |      |
| 361 Pottery, china, earthenware           |      | 3    | 33    | 24    |      |
| 362 Glass and products                    |      | 39   | 246   | 1798  |      |
| 369 Other non-metallic mineral products   |      | 64   | 769   | 4619  |      |
| 371 Iron and steel                        |      | 109  | 202   | 4186  |      |
| 372 Non-ferrous metals                    |      | 71   | 160   | 3921  |      |
| 381 Fabricated metal products             |      | 54   | 412   | 3246  |      |
| 382 Non-electrical machinery              |      | 72   | 203   | 812   |      |
| 333 Electrical machinery                  |      | 66   | 338   | 2365  |      |
| 384 Transport equipment                   |      | 242  | 296   | 6155  |      |
| 385 Professional and scientific equipment |      | 7    | 42    | 128   |      |
| 390 Other manufacturing industries        |      | 63   | 184   | 2058  |      |
| 3 Total manufacturing                     | a/   | 2527 | 10698 | 90 94 |      |

## Index numbers of industrial production

(1980=100)

| ISIC Industry                             | Note     | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
|---|----------|------|------|------|------|------|------|------|------|------|
| 311/2 Food Products                       |          | 93   | 92   | 103  | 116  | 110  | 92   | 93   | 87   | 81   |
| 313 Beverages                             |          | 90   | 101  | 150  | 184  | 146  | 103  | 104  | 136  | 125  |
| 314 Tobacco                               |          | 94   | 83   | 99   | 90   | 68   | 64   | 71   | 73   | 65   |
| 321 Textiles                              |          | 98   | 113  | 121  | 134  | 126  | 116  | 104  | 97   | 04   |
| 322 Wearing apparel, except footwear      |          | 102  | 93   | 102  | 114  | 112  | 85   | 83   |      |      |
| 323 Leather and fur products              |          | 64   | 59   | 74   | 81   | 69   | 51   | 47   | 35   | 37   |
| 324 Footwear, except rubber or plastic    |          | 52   | 53   | 57   | 60   | 57   | 38   | 39   |      |      |
| 331 Wood products, except furniture       |          | 64   | 70   | 85   | 108  | 106  | 54   | 51   |      |      |
| 332 Furniture and fixtures, excl metal    |          |      |      |      |      |      |      |      |      |      |
| 341 Paper and products                    |          | 62   | 57   | 69   | 84   | 82   | 43   | 49   | 50   | 23   |
| 342 Printing and publishing               |          | 96   | 96   | 99   | 116  | 127  | 71   | 78   |      |      |
| 351 Industrial chemicals                  |          | 89   | 89   | 106  | 118  | 108  | 79   | 77   | 78   | 68   |
| 352 Other chemicals                       |          | 65   | 73   | 98   | 128  | 111  | 71   | 73   | 84   | 81   |
| 353 Petroleum refineries                  |          | 111  | 108  | 111  | 122  | 119  | 101  | 97   | 101  | 102  |
| 354 Misc. petroleum and coal products     | b/<br>b/ |      |      |      |      |      |      |      |      |      |
| 355 Rubber products                       |          | 91   | 91   | 105  | 115  | 94   | 80   | 78   | 67   | 63   |
| 356 Plastic products                      |          | 90   | 93   | 126  | 142  | 106  | 67   | 58   | 67   | 74   |
| 361 Pottery, china, earthenware           |          | 46   | 84   | 111  | 126  | 147  | 96   | 91   | 111  | 127  |
| 362 Glass and products                    |          | 71   | 62   | 89   | 110  | 101  | 60   | 58   | 53   | 49   |
| 369 Other non-metallic mineral products   |          |      |      |      |      |      |      |      |      |      |
| 371 Iron and steel                        |          | 82   | 87   | 107  | 129  | 103  | 76   | 66   | 73   | 72   |
| 372 Non-ferrous metals                    |          | 97   | 103  | 93   | 91   | 70   | 89   | 81   | 93   | 95   |
| 381 Fabricated metal products             |          | 53   | 56   | 79   | 113  | 71   | 39   | 37   | 40   | 36   |
| 382 Non-electrical machinery              |          | 38   | 45   | 80   | 87   | 63   | 38   | 47   | 59   | 68   |
| 333 Electrical machinery                  |          | 64   | 78   | 104  | 128  | 93   | 61   | 65   | 64   | 50   |
| 384 Transport equipment                   |          | 34   | 45   | 69   | 88   | 58   | 33   | 39   | 43   | 34   |
| 385 Professional and scientific equipment |          |      |      |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |          | 104  | 91   | 119  | 162  | 140  | 85   | 91   | 98   | 112  |
| 3 Total manufacturing                     |          | 82   | 87   | 103  | 120  | 101  | 80   | 78   | 84   | 78   |

a/ Excluding canning, preserving and processing of fish and crustacea, extraction of fish and other marine animal oils, production of fish meal

b/ 353 includes 354



## PHILIPPINES

**Supplier of information:**

National Statistics Office, Manila.

The indices of industrial production are compiled by the Central Bank of the Philippines, Manila.

**Basic source of data:**

Annual survey and census every five years.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

Except for 1987, all data refer to establishments with 10 and more persons engaged. For 1987 data include establishments with average monthly sales or receipts of not less than one million pesos.

**Method of enumeration:**

Establishments with 20 or more workers are completely enumerated; smaller establishments on a sampling basis.

**Adjusted for non-response:**

Yes

**Concepts and definitions of variables:**

Wages and salaries includes severance pay.

Output and value added refer to census output and census value added, respectively.

**Related national publications:**

Annual Survey of Manufactures, published by the National Statistics Office, Manila. Statistical Bulletin (quarterly), published by the Central Bank of the Philippines, Manila.

Philippines

| ISIC Industry                                    | Note | Number of establishments |      |       |       | Note  | Number of employees |       |       |      | Note  | Wages and salaries paid to employees |       |       |      |
|--|------|--------------------------|------|-------|-------|-------|---------------------|-------|-------|------|-------|--------------------------------------|-------|-------|------|
|  |      | (numbers)                |      |       |       |       | (thousands)         |       |       |      |       | (million PESOS)                      |       |       |      |
|  |      | 1985                     | 1987 | 1988  | 1989  |       | 1985                | 1987  | 1988  | 1989 |       | 1985                                 | 1987  | 1988  | 1989 |
| 311/2 Food Products                              |      | 1331                     | 1165 | 3070  | 2493  | 125.8 | 131.1               | 156.6 | 164.3 |      | 2831  | 4100                                 | 5560  | 6774  |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 27                       | 24   | 70    | 64    | 5.6   | 5.5                 | 8.6   | 7.3   |      | 137   | 188                                  | 361   | 423   |      |
| 3112 Dairy products                              |      | 21                       | 19   | 54    | 43    | 5.0   | 5.4                 | 6.3   | 6.1   |      | 206   | 418                                  | 522   | 609   |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 46                       | 48   | 87    | 79    | 10.4  | 17.5                | 19.4  | 21.0  |      | 362   | 722                                  | 930   | 1172  |      |
| 3114 Canning, preserving and processing of fish  |      | 52                       | 55   | 109   | 100   | 8.1   | 10.9                | 14.2  | 18.2  |      | 132   | 249                                  | 426   | 576   |      |
| 3115 Vegetable and animal oils and fats          |      | 48                       | 55   | 65    | 66    | 6.7   | 8.5                 | 6.1   | 6.1   |      | 259   | 423                                  | 222   | 278   |      |
| 3116 Grain mill products                         |      | 217                      | 200  | 540   | 458   | 7.5   | 8.6                 | 9.9   | 9.9   |      | 128   | 216                                  | 238   | 296   |      |
| 3117 Bakery products                             |      | 620                      | 494  | 1674  | 1246  | 15.7  | 15.7                | 28.1  | 30.4  |      | 154   | 219                                  | 454   | 629   |      |
| 3118 Sugar factories and refineries              |      | 48                       | 47   | 54    | 49    | 30.8  | 28.6                | 26.9  | 28.6  |      | 650   | 745                                  | 1,775 | 1,339 |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 61                       | 55   | 107   | 99    | 5.4   | 4.9                 | 5.3   | 5.8   |      | 148   | 137                                  | 184   | 206   |      |
| 3121 Other food products                         |      | 151                      | 130  | 230   | 210   | 25.7  | 20.1                | 26.5  | 24.1  |      | 524   | 694                                  | 932   | 1,021 |      |
| 3122 Prepared animal feeds                       |      | 40                       | 43   | 80    | 79    | 4.9   | 5.5                 | 6.3   | 7.0   |      | 134   | 189                                  | 218   | 224   |      |
| 313 Beverages                                    |      | 88                       | 80   | 103   | 100   | 27.8  | 27.2                | 30.2  | 31.0  |      | 825   | 1,253                                | 1,640 | 2,082 |      |
| 3131 Distilling, rectifying and blending spirits |      | 44                       | 37   | 47    | 46    | 5.8   | 5.1                 | 5.4   | 4.8   |      | 116   | 147                                  | 135   | 203   |      |
| 3132 Wine industries                             |      | 4                        | 3    | 9     | 8     | 0.1   | -                   | 0.1   | 0.1   |      | 1     | 1                                    | 2     | 2     |      |
| 3133 Malt liquors and malt                       |      | 4                        | 4    | 7     | 5     | 5.8   | 4.7                 | 5.6   | 5.9   |      | 192   | 333                                  | 485   | 538   |      |
| 3134 Soft drinks and carbonated waters           |      | 36                       | 36   | 40    | 41    | 16.2  | 17.4                | 19.1  | 20.2  |      | 518   | 772                                  | 1,026 | 1,340 |      |
| 314 Tobacco                                      |      | 26                       | 25   | 32    | 33    | 14.8  | 13.0                | 14.3  | 13.8  |      | 362   | 362                                  | 491   | 578   |      |
| 321 Textiles                                     |      | 312                      | 297  | 547   | 537   | 62.2  | 76.8                | 89.1  | 100.7 |      | 1,097 | 1,676                                | 2,414 | 3,270 |      |
| 3211 Spinning, weaving and finishing textiles    |      | 114                      | 116  | 185   | 178   | 41.5  | 49.9                | 58.7  | 63.7  |      | 731   | 1,100                                | 1,612 | 2,106 |      |
| 3212 Made-up textile goods excl wearing apparel  |      | 27                       | 28   | 59    | 56    | 4.2   | 6.0                 | 6.8   | 9.3   |      | 63    | 86                                   | 132   | 248   |      |
| 3213 Knitting mills                              |      | 90                       | 91   | 138   | 142   | 11.7  | 15.7                | 16.6  | 18.6  |      | 208   | 368                                  | 477   | 657   |      |
| 3214 Carpets and rugs                            |      | 8                        | 8    | 15    | 16    | 1.2   | 1.2                 | 0.6   | 2.6   |      | 28    | 40                                   | 16    | 78    |      |
| 3215 Cordage, rope and twine                     |      | 61                       | 46   | 137   | 134   | 3.9   | 3.5                 | 5.7   | 6.0   |      | 63    | 68                                   | 129   | 166   |      |
| 3219 Other textiles                              |      | 12                       | 8    | 13    | 11    | 0.8   | 0.5                 | 0.7   | 0.6   |      | 14    | 14                                   | 18    | 27    |      |
| 322 Wearing apparel, except footwear             |      | 413                      | 414  | 1,556 | 1,391 | 85.6  | 101.2               | 140.2 | 190.7 |      | 1,662 | 2,379                                | 3,866 | 6,157 |      |
| 323 Leather and fur products                     |      | 50                       | 39   | 120   | 109   | 2.2   | 2.9                 | 5.0   | 8.1   |      | 30    | 44                                   | 109   | 228   |      |
| 3231 Tanneries and leather finishing             |      | 18                       | 17   | 42    | 40    | 1.0   | 1.4                 | 1.2   | 3.4   |      | 14    | 20                                   | 18    | 97    |      |
| 3232 Fur dressing and dyeing industries          |      | -                        | -    | -     | -     | -     | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 3233 Leather prods excl wearing apparel          |      | 32                       | 22   | 78    | 69    | 1.2   | 1.5                 | 3.9   | 4.7   |      | 17    | 24                                   | 91    | 131   |      |
| 324 Footwear, except rubber or plastic           |      | 132                      | 111  | 441   | 363   | 8.7   | 6.4                 | 8.8   | 9.5   |      | 129   | 110                                  | 128   | 160   |      |
| 331 Wood products, except furniture              |      | 284                      | 254  | 682   | 661   | 45.6  | 44.6                | 55.8  | 54.3  |      | 805   | 969                                  | 1,486 | 1,646 |      |
| 3311 Sawmills, planing and other wood mills      |      | 176                      | 175  | 343   | 346   | 42.6  | 40.8                | 46.2  | 43.6  |      | 771   | 916                                  | 1,318 | 1,418 |      |
| 3312 Wooden and cane containers                  |      | 40                       | 35   | 135   | 122   | 0.7   | 1.4                 | 3.7   | 3.7   |      | 6     | 16                                   | 77    | 91    |      |
| 3319 Other wood and cork products                |      | 68                       | 44   | 204   | 193   | 2.3   | 2.4                 | 5.9   | 7.1   |      | 28    | 37                                   | 91    | 139   |      |
| 332 Furniture and fixtures, excl metal           |      | 276                      | 231  | 678   | 585   | 19.6  | 26.8                | 40.5  | 42.0  |      | 277   | 492                                  | 811   | 967   |      |
| 341 Paper and products                           |      | 99                       | 106  | 176   | 165   | 10.4  | 11.7                | 15.4  | 15.7  |      | 265   | 347                                  | 555   | 720   |      |
| 3411 Pulp, paper and paperboard articles         |      | 26                       | 19   | 36    | 36    | 4.5   | 5.0                 | 7.0   | 7.1   |      | 100   | 156                                  | 349   | 367   |      |
| 3412 Containers of paper and paperboard          |      | 45                       | 49   | 81    | 74    | 3.1   | 3.9                 | 5.5   | 5.7   |      | 76    | 106                                  | 207   | 223   |      |
| 3419 Other pulp, paper and paperboard articles   |      | 28                       | 38   | 59    | 55    | 2.7   | 2.8                 | 2.8   | 2.9   |      | 88    | 85                                   | 98    | 111   |      |
| 342 Printing and publishing                      |      | 354                      | 366  | 636   | 554   | 14.2  | 16.7                | 19.8  | 21.6  |      | 310   | 492                                  | 672   | 887   |      |
| 351 Industrial chemical                          |      | 82                       | 89   | 115   | 133   | 8.9   | 9.0                 | 10.9  | 10.5  |      | 301   | 478                                  | 669   | 758   |      |
| 3511 Basic chemicals excl fertilizers            |      | 49                       | 56   | 67    | 69    | 4.0   | 4.3                 | 4.5   | 4.8   |      | 133   | 206                                  | 261   | 343   |      |
| 3512 Fertilizers and pesticides                  |      | 14                       | 18   | 26    | 23    | 3.2   | 3.1                 | 3.9   | 3.3   |      | 107   | 192                                  | 259   | 281   |      |
| 3513 Synthetic resins and plastic materials      |      | 19                       | 15   | 22    | 41    | 1.7   | 1.6                 | 2.5   | 2.5   |      | 61    | 80                                   | 150   | 136   |      |
| 352 Other chemicals                              |      | 212                      | 206  | 301   | 306   | 23.7  | 24.7                | 29.6  | 31.9  |      | 1,212 | 1,780                                | 2,531 | 3,127 |      |
| 3521 Paints, varnishes and lacquers              |      | 35                       | 30   | 41    | 41    | 2.4   | 2.8                 | 2.9   | 3.1   |      | 70    | 98                                   | 123   | 139   |      |
| 3522 Drugs and medicines                         |      | 66                       | 69   | 98    | 99    | 12.0  | 12.1                | 14.0  | 14.2  |      | 673   | 982                                  | 1,379 | 1,704 |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 40                       | 41   | 61    | 62    | 4.8   | 5.4                 | 7.0   | 7.9   |      | 306   | 487                                  | 744   | 863   |      |
| 3529 Other chemical products                     |      | 71                       | 66   | 101   | 104   | 4.4   | 4.4                 | 5.7   | 6.7   |      | 163   | 193                                  | 286   | 421   |      |

|  |      |      |       |       |       |       |       |       |       |       |       |       |
|--|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 354 Misc petroleum and coal products             | 8    | 7    | 16    | 12    | 0.4   | 0.3   | 0.6   | 0.5   | 7     | 12    | 23    | 15    |
| 355 Rubber products                              | 107  | 106  | 174   | 162   | 17.9  | 22.7  | 26.1  | 26.6  | 423   | 640   | 1088  | 1094  |
| 3551 Tyres and tubes                             | 38   | 45   | 59    | 54    | 3.7   | 4.1   | 6.2   | 4.6   | 143   | 231   | 508   | 376   |
| 3559 Other rubber products                       | 69   | 61   | 115   | 108   | 14.2  | 18.6  | 19.9  | 22.0  | 280   | 409   | 580   | 719   |
| 356 Plastic products                             | 157  | 162  | 300   | 280   | 10.6  | 13.4  | 17.5  | 20.0  | 207   | 329   | 627   | 666   |
| 361 Pottery, china, earthenware                  | 21   | 22   | 59    | 51    | 2.8   | 3.6   | 5.0   | 4.6   | 61    | 94    | 181   | 208   |
| 362 Glass and products                           | 27   | 21   | 35    | 33    | 6.1   | 5.1   | 6.8   | 7.3   | 186   | 273   | 424   | 602   |
| 369 Other non-metallic mineral products          | 171  | 148  | 370   | 333   | 13.2  | 12.5  | 16.8  | 18.8  | 319   | 410   | 694   | 846   |
| 3691 Structural clay products                    | 13   | 11   | 20    | 20    | 1.8   | 2.6   | 1.4   | 3.2   | 38    | 76    | 63    | 160   |
| 3692 Cement, lime and plaster                    | 16   | 17   | 17    | 17    | 5.9   | 4.8   | 6.9   | 6.0   | 187   | 239   | 300   | 400   |
| 3699 Other non-metallic mineral products         | 142  | 120  | 333   | 296   | 5.6   | 5.1   | 9.5   | 9.6   | 94    | 96    | 242   | 286   |
| 371 Iron and steel                               | 105  | 99   | 127   | 139   | 15.0  | 14.4  | 15.5  | 17.5  | 397   | 552   | 712   | 1099  |
| 372 Non-ferrous metals                           | 34   | 22   | 35    | 33    | 3.3   | 2.6   | 2.6   | 2.7   | 93    | 116   | 140   | 162   |
| 381 Fabricated metal products                    | 285  | 281  | 519   | 443   | 15.0  | 18.8  | 22.5  | 25.9  | 350   | 443   | 622   | 888   |
| 3811 Cutlery, hand tools and general hardware    | 37   | 24   | 55    | 37    | 1.1   | 0.8   | 1.1   | 1.1   | 33    | 33    | 40    | 43    |
| 3812 Furniture and fixtures primarily of metal   | 23   | 23   | 36    | 28    | 0.6   | 0.7   | 1.1   | 1.0   | 9     | 12    | 23    | 31    |
| 3813 Structural metal products                   | 79   | 75   | 168   | 125   | 3.3   | 5.0   | 5.4   | 7.4   | 99    | 119   | 96    | 213   |
| 3819 Other fabricated metal products             | 146  | 159  | 260   | 263   | 10.0  | 12.3  | 15.0  | 16.4  | 210   | 279   | 464   | 601   |
| 382 Non-electrical machinery                     | 328  | 300  | 552   | 460   | 13.4  | 12.4  | 18.2  | 19.8  | 283   | 328   | 543   | 727   |
| 3821 Engines and turbines                        | 22   | 19   | 47    | 39    | 0.6   | 0.5   | 1.1   | 1.0   | 10    | 10    | 23    | 26    |
| 3822 Agricultural machinery and equipment        | a/   | a/   |       |       | a/    | a/    |       |       | a/    | a/    |       |       |
| 3823 Metal and wood working machinery            | 19   | 23   | 17    | 16    | 0.7   | 0.8   | 0.7   | 0.6   | 13    | 16    | 18    | 17    |
| 3824 Other special industrial machinery          | 19   | 13   | 18    | 17    | 0.7   | 0.4   | 0.4   | 0.5   | 17    | 13    | 18    | 23    |
| 3825 Office, computing and accounting machinery  | 9    | 6    | 24    | 20    | 0.6   | 0.4   | 1.1   | 2.1   | 21    | 25    | 63    | 128   |
| 3829 Other non-electrical machinery & equipment  | 259  | 239  | 446   | 368   | 10.8  | 10.4  | 14.8  | 15.5  | 222   | 264   | 431   | 533   |
| 383 Electrical machinery                         | 148  | 151  | 214   | 208   | 37.6  | 43.3  | 54.3  | 58.0  | 1167  | 1686  | 2746  | 3070  |
| 3831 Electrical industrial machinery             | 25   | 27   | 35    | 31    | 2.2   | 2.2   | 2.7   | 2.5   | 57    | 82    | 138   | 155   |
| 3832 Radio, television and communication equipm. | 56   | 59   | 84    | 85    | 27.9  | 31.1  | 39.2  | 42.7  | 918   | 1240  | 2086  | 2289  |
| 3833 Electrical appliances and housewares        | 21   | 18   | 24    | 25    | 2.0   | 2.3   | 2.7   | 2.9   | 44    | 69    | 106   | 132   |
| 3839 Other electrical apparatus and supplies     | 46   | 47   | 71    | 67    | 5.4   | 7.7   | 9.7   | 9.9   | 148   | 274   | 418   | 494   |
| 384 Transport equipment                          | 161  | 145  | 230   | 210   | 12.1  | 11.5  | 13.9  | 17.3  | 292   | 383   | 563   | 816   |
| 3841 Shipbuilding and repairing                  | 38   | 42   | 52    | 51    | 4.3   | 4.2   | 6.2   | 5.2   | 103   | 144   | 196   | 222   |
| 3842 Railroad equipment                          | -    | -    | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 3843 Moto. vehicles                              | 107  | 91   | 157   | 138   | 6.3   | 6.1   | 7.6   | 10.4  | 163   | 181   | 328   | 513   |
| 3844 Motorcycles and bicycles                    | 13   | 5    | 16    | 13    | 1.2   | 0.8   | 0.8   | 1.0   | 24    | 25    | 26    | 43    |
| 3845 Aircraft                                    | 3    | 3    | 6     | 8     | 0.3   | 0.3   | 0.3   | 0.7   | 11    | 13    | 13    | 36    |
| 3849 Other transport equipment                   | b/   | b/   |       |       | b/    | b/    |       |       | b/    | b/    |       |       |
| 385 Professional and scientific equipment        | 20   | 19   | 25    | 23    | 4.6   | 3.9   | 4.7   | 4.7   | 69    | 97    | 167   | 181   |
| 3851 Prof. and scientific equipment n e c        | 17c/ |      |       |       | 1.2c/ |       |       |       | 11c/  |       |       |       |
| 3852 Photographic and optical goods              | c/   |      |       |       | c/    |       |       |       | c/    |       |       |       |
| 3853 Watches and clocks                          | 3    |      |       |       | 3.4   |       |       |       | 58    |       |       |       |
| 390 Other manufacturing industries               | 134  | 130  | 371   | 333   | 14.8  | 11.8  | 22.7  | 20.2  | 274   | 322   | 556   | 567   |
| 3901 Jewellery and related articles              | 11   | 14   | 37    | 39    | 0.8   | 1.5   | 1.3   | 1.7   | 13    | 39    | 32    | 49    |
| 3902 Musical instruments                         | 9    | 7    | 12    | 9     | 1.1   | 1.0   | 1.1   | 1.1   | 17    | 19    | 32    | 27    |
| 3903 Sporting and athletic goods                 | 10   | 6    | 10    | 11    | 0.6   | 0.7   | 1.0   | 1.6   | 14    | 22    | 34    | 57    |
| 3909 Manufacturing industries, n e c             | 104  | 103  | 312   | 274   | 12.3  | 8.6   | 19.3  | 15.8  | 230   | 242   | 467   | 433   |
| 3 Total manufacturing                            | 5369 | 5000 | 11488 | 10154 | 618.4 | 671.0 | 845.1 | 940.3 | 14475 | 20449 | 30372 | 38831 |

a/ 3821 includes 3822  
c/ 3851 includes 3852

b/ 3845 includes 3849.

## Philippines

| ISIC Industry                                    | Note | Output in producers' prices |       |       |       | Note  | Value added in producers' prices |       |       |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-----------------------------|-------|-------|-------|-------|----------------------------------|-------|-------|------|--------------------------------|------|--|------|
|  |      | (million PESOS)             |       |       |       |       | (million PESOS)                  |       |       |      | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                        | 1987  | 1988  | 1989  |       | 1985                             | 1987  | 1988  | 1989 | 1985                           | 1989 | 1985                                       | 1989 |
| 311/2 Food Products                              |      | 49169                       | 69765 | 83367 | 99922 | 12250 | 16397                            | 22807 | 26670 | 24.9 | 26.7                           | 23.1 | 25.4                                       |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 2278                        | 3024  | 5179  | 6742  | 455   | 616                              | 952   | 2062  | 20.0 | 30.6                           | 30.1 | 20.5                                       |      |
| 3112 Dairy products                              |      | 3537                        | 5842  | 7168  | 8275  | 1058  | 1976                             | 2057  | 2713  | 29.9 | 32.8                           | 19.4 | 22.4                                       |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 3703                        | 4805  | 5696  | 6242  | 1440  | 1413                             | 2755  | 2040  | 38.9 | 32.7                           | 25.1 | 57.5                                       |      |
| 3114 Canning, preserving and processing of fish  |      | 1929                        | 4408  | 7254  | 9873  | 333   | 433                              | 955   | 2006  | 17.3 | 20.3                           | 39.6 | 28.7                                       |      |
| 3115 Vegetable and animal oils and fats          |      | 8758                        | 16356 | 12885 | 13417 | 2091  | 2721                             | 2188  | 1800  | 23.9 | 13.4                           | 12.4 | 15.4                                       |      |
| 3116 Grain mill products                         |      | 5178                        | 7809  | 9029  | 11676 | 810   | 1502                             | 1944  | 1899  | 11.8 | 16.3                           | 20.7 | 15.6                                       |      |
| 3117 Bakery products                             |      | 1977                        | 1976  | 3483  | 4643  | 604   | 582                              | 1142  | 1619  | 30.6 | 33.4                           | 25.5 | 38.9                                       |      |
| 3118 Sugar factories and refineries              |      | 8971                        | 11394 | 13721 | 16394 | 2149  | 4113                             | 5263  | 4785  | 24.0 | 29.2                           | 30.2 | 28.0                                       |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 2145                        | 1301  | 1680  | 2480  | 294   | 325                              | 463   | 696   | 13.7 | 28.1                           | 50.3 | 29.6                                       |      |
| 3121 Other food products                         |      | 6674                        | 8001  | 11489 | 13668 | 2533  | 1975                             | 3377  | 5321  | 38.0 | 38.9                           | 20.7 | 19.2                                       |      |
| 3122 Prepared animal feeds                       |      | 4019                        | 4649  | 5782  | 6313  | 685   | 842                              | 1712  | 1730  | 17.0 | 27.4                           | 19.6 | 12.9                                       |      |
| 313 Beverages                                    |      | 14043                       | 19604 | 25189 | 31392 | 7864  | 10308                            | 14626 | 18167 | 65.8 | 57.9                           | 10.5 | 11.5                                       |      |
| 3131 Distilling, rectifying and blending spirits |      | 2472                        | 2517  | 2359  | 3770  | 1052  | 443                              | 599   | 1281  | 42.6 | 34.0                           | 10.9 | 15.8                                       |      |
| 3132 Wine industries                             |      | 5                           | 8     | 25    | 21    | 1     | 1                                | 6     | 6     | 20.0 | 26.6                           | 62.0 | 33.3                                       |      |
| 3133 Malt liquors and malt                       |      | 6641                        | 9268  | 14092 | 16305 | 4557  | 6899                             | 10797 | 11883 | 68.6 | 72.9                           | 4.2  | 4.5  |      |
| 3134 Soft drinks and carbonated waters           |      | 4965                        | 7810  | 8713  | 11297 | 2254  | 2965                             | 3225  | 4996  | 45.4 | 44.2                           | 23.0 | 25.8                                       |      |
| 314 Tobacco                                      |      | 13169                       | 15523 | 16194 | 17123 | 3880  | 9475                             | 8122  | 8502  | 29.5 | 49.7                           | 9.3  | 6.8  |      |
| 321 Textiles                                     |      | 10309                       | 15325 | 19556 | 24455 | 2034  | 3288                             | 5643  | 7323  | 19.7 | 29.9                           | 53.0 | 44.8                                       |      |
| 3211 Spinning, weaving and finishing textiles    |      | 7730                        | 10924 | 14153 | 17327 | 1368  | 2332                             | 4167  | 5163  | 17.7 | 29.8                           | 53.5 | 40.8                                       |      |
| 3212 Made-up textile goods excl. wearing apparel |      | 651                         | 903   | 1277  | 1556  | 221   | 161                              | 287   | 472   | 33.9 | 30.3                           | 24.0 | 52.5                                       |      |
| 3213 Knitting mills                              |      | 1185                        | 2742  | 2956  | 3677  | 269   | 615                              | 875   | 1140  | 22.7 | 31.0                           | 77.3 | 57.6                                       |      |
| 3214 Carpets and rugs                            |      | 95                          | 120   | 85    | 411   | 30    | 38                               | 34    | 140   | 31.3 | 34.1                           | 93.3 | 55.7                                       |      |
| 3215 Cordage, rope and twine                     |      | 518                         | 580   | 1002  | 1343  | 122   | 131                              | 248   | 373   | 23.5 | 27.8                           | 51.6 | 44.2                                       |      |
| 3219 Other textiles                              |      | 129                         | 60    | 83    | 140   | 26    | 12                               | 32    | 35    | 20.2 | 25.0                           | 54.4 | 77.1                                       |      |
| 322 Wearing apparel, except footwear             |      | 4838                        | 9391  | 15210 | 24920 | 1954  | 3217                             | 6820  | 12299 | 40.4 | 49.4                           | 85.1 | 50.1                                       |      |
| 323 Leather and fur products                     |      | 181                         | 266   | 531   | 788   | 53    | 74                               | 178   | 385   | 29.3 | 48.9                           | 56.5 | 52.2                                       |      |
| 3231 Tanneries and leather finishing             |      | 77                          | 90    | 106   | 207   | 22    | 21                               | 39    | 122   | 28.6 | 58.9                           | 81.4 | 79.5                                       |      |
| 3232 Fur dressing and dyeing industries          |      | -                           | -     | -     | -     | -     | -                                | -     | -     | -    | -                              | -    | -  |      |
| 3233 Leather prods. excl. wearing apparel        |      | 103                         | 176   | 425   | 581   | 31    | 53                               | 139   | 263   | 30.1 | 45.3                           | 53.2 | 49.8                                       |      |
| 324 Footwear, except rubber or plastic           |      | 547                         | 474   | 643   | 763   | 172   | 168                              | 232   | 328   | 31.4 | 43.0                           | 75.0 | 48.8                                       |      |
| 331 Wood products, except furniture              |      | 5435                        | 7785  | 10936 | 11190 | 1599  | 1662                             | 3283  | 4280  | 29.4 | 38.2                           | 50.3 | 38.5                                       |      |
| 3311 Sawmills, planing and other wood mills      |      | 5151                        | 7285  | 9249  | 9090  | 1528  | 1555                             | 2904  | 3722  | 29.7 | 40.9                           | 50.5 | 38.0                                       |      |
| 3312 Wooden and cane containers                  |      | 71                          | 200   | 1074  | 1070  | 14    | 47                               | 207   | 260   | 19.7 | 24.3                           | 42.9 | 35.0                                       |      |
| 3319 Other wood and cork products                |      | 214                         | 301   | 613   | 1030  | 58    | 50                               | 172   | 298   | 27.1 | 28.9                           | 48.3 | 45.5                                       |      |
| 332 Furniture and fixtures, excl. metal          |      | 1180                        | 2078  | 3867  | 4272  | 416   | 622                              | 1443  | 1716  | 35.3 | 40.2                           | 66.5 | 56.4                                       |      |
| 341 Paper and products                           |      | 5427                        | 7255  | 10247 | 11578 | 1813  | 2310                             | 3392  | 3511  | 33.4 | 31.2                           | 14.5 | 19.9                                       |      |
| 3411 Pulp, paper and paperboard articles         |      | 2851                        | 4303  | 6287  | 6583  | 1027  | 1855                             | 2654  | 2685  | 35.0 | 40.8                           | 9.7  | 14.4                                       |      |
| 3412 Containers of paper and paperboard          |      | 1262                        | 1824  | 2902  | 3524  | 618   | 238                              | 580   | 749   | 49.0 | 21.3                           | 12.3 | 29.8                                       |      |
| 3419 Other pulp, paper and paperboard articles   |      | 1314                        | 1128  | 1059  | 1471  | 168   | 207                              | 158   | 175   | 12.8 | 12.0                           | 52.4 | 53.1                                       |      |
| 342 Printing and publishing                      |      | 2425                        | 3569  | 4166  | 5580  | 851   | 963                              | 1395  | 2025  | 35.1 | 35.3                           | 36.4 | 43.8                                       |      |
| 351 Industrial chemicals                         |      | 7338                        | 11780 | 14423 | 15366 | 1882  | 2744                             | 5122  | 4238  | 25.5 | 27.5                           | 15.0 | 17.9                                       |      |
| 3511 Basic chemicals excl. fertilizers           |      | 2669                        | 4189  | 5237  | 6113  | 553   | 1329                             | 1524  | 1794  | 20.7 | 29.3                           | 14.1 | 19.1                                       |      |
| 3512 Fertilizers and pesticides                  |      | 3548                        | 5999  | 6363  | 6869  | 1092  | 1032                             | 2427  | 1813  | 30.8 | 26.4                           | 9.8  | 15.5                                       |      |
| 3513 Synthetic resins and plastic materials      |      | 1120                        | 1592  | 2833  | 2404  | 237   | 383                              | 1171  | 631   | 21.2 | 26.2                           | 25.7 | 21.4                                       |      |
| 352 Other chemicals                              |      | 15223                       | 20583 | 30560 | 38033 | 3806  | 5955                             | 9581  | 14023 | 25.0 | 35.9                           | 31.8 | 22.3                                       |      |
| 3521 Paints, varnishes and lacquers              |      | 1478                        | 1854  | 2498  | 2852  | 228   | 387                              | 491   | 659   | 15.4 | 23.1                           | 30.7 | 21.1                                       |      |
| 3522 Drugs and medicines                         |      | 6581                        | 9121  | 13185 | 15958 | 2423  | 3220                             | 4789  | 7055  | 36.8 | 44.2                           | 27.8 | 24.1                                       |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 4941                        | 7011  | 10979 | 13851 | 555   | 1580                             | 2672  | 4088  | 11.2 | 29.5                           | 55.1 | 21.1                                       |      |
| 3529 Other chemical products                     |      | 2223                        | 2597  | 3898  | 5352  | 600   | 788                              | 1529  | 2212  | 27.0 | 41.3                           | 27.2 | 19.0                                       |      |
| 353 Petroleum refineries                         |      | 48250                       | 44306 | 44482 | 42729 | 13313 | 9905                             | 7655  | 5814  | 27.5 | 13.5                           | 1.8  | 9.1  |      |

|   |        |        |        |        |       |       |        |        |      |      |      |      |
|---|--------|--------|--------|--------|-------|-------|--------|--------|------|------|------|------|
| 354 Misc petroleum and coal products            | 222    | 286    | 512    | 275    | 47    | 62    | 116    | 24     | 21.2 | 8.7  | 14.9 | 62.6 |
| 355 Rubber products                             | 2823   | 4314   | 8428   | 7684   | 629   | 1345  | 2826   | 2962   | 22.3 | 38.5 | 67.2 | 36.9 |
| 3551 Tyres and tubes                            | 1372   | 2385   | 5438   | 3911   | 264   | 815   | 1839   | 1857   | 19.2 | 39.8 | 64.2 | 24.1 |
| 3559 Other rubber products                      | 1451   | 1928   | 2989   | 3773   | 365   | 530   | 986    | 1406   | 26.2 | 37.2 | 76.5 | 61.2 |
| 356 Plastic products                            | 2635   | 3966   | 6698   | 7829   | 600   | 769   | 2042   | 1779   | 22.8 | 22.7 | 34.5 | 37.4 |
| 361 Pottery, china, earthenware                 | 376    | 481    | 786    | 916    | 172   | 208   | 421    | 603    | 45.7 | 55.0 | 35.5 | 41.4 |
| 362 Glass and products                          | 1839   | 2306   | 3013   | 3288   | 619   | 947   | 1679   | 1821   | 28.2 | 55.4 | 35.8 | 33.1 |
| 369 Other non-metallic mineral products         | 4076   | 5355   | 7673   | 10080  | 1108  | 1661  | 2624   | 4205   | 27.2 | 41.7 | 28.8 | 20.1 |
| 3691 Structural clay products                   | 259    | 615    | 409    | 936    | 83    | 121   | 226    | 475    | 32.0 | 60.7 | 45.8 | 33.7 |
| 3692 Cement, lime and plaster                   | 3128   | 4055   | 5582   | 7231   | 809   | 1244  | 1686   | 2927   | 25.9 | 40.5 | 23.1 | 13.7 |
| 3699 Other non-metallic mineral products        | 689    | 685    | 1681   | 1913   | 216   | 196   | 612    | 803    | 31.3 | 42.0 | 43.6 | 35.6 |
| 371 Iron and steel                              | 9538   | 14550  | 19762  | 26302  | 3060  | 2660  | 4717   | 4407   | 32.0 | 17.4 | 13.0 | 24.9 |
| 372 Non-ferrous metals                          | 5468   | 6983   | 11937  | 11791  | 513   | 638   | 2681   | 663    | 9.4  | 7.3  | 18.1 | 18.8 |
| 381 Fabricated metal products                   | 3816   | 4402   | 6074   | 8169   | 903   | 1146  | 1810   | 2536   | 23.7 | 31.0 | 38.8 | 36.0 |
| 3811 Cutlery, hand tools and general hardware   | 149    | 213    | 230    | 274    | 38    | 116   | 141    | 157    | 25.5 | 57.3 | 85.8 | 27.4 |
| 3812 Furniture and fixtures primarily of metal  | 46     | 58     | 109    | 176    | 16    | 21    | 43     | 70     | 36.6 | 39.8 | 56.3 | 44.3 |
| 3813 Structural metal products                  | 623    | 742    | 871    | 1476   | 130   | 184   | 309    | 620    | 20.9 | 42.0 | 76.2 | 34.4 |
| 3819 Other fabricated metal products            | 2999   | 3389   | 4864   | 6244   | 719   | 825   | 1317   | 1887   | 24.0 | 27.0 | 29.2 | 35.6 |
| 382 Non-electrical machinery                    | 1692   | 2483   | 3318   | 4819   | 570   | 1006  | 853    | 1424   | 33.7 | 29.6 | 49.6 | 51.1 |
| 3821 Engines and turbines                       | 52     | 47     | 133    | 145    | 22    | 19    | 49     | 63     | 42.3 | 43.4 | 45.5 | 41.3 |
| 3822 Agricultural machinery and equipment       | a/     |        |        |        | a/    |       |        |        |      |      |      |      |
| 3823 Metal and wood working machinery           | 68     | 85     | 94     | 109    | 24    | 33    | 46     | 60     | 36.3 | 55.0 | 54.2 | 28.3 |
| 3824 Other special industrial machinery         | 128    | 82     | 103    | 134    | 32    | 19    | 39     | 64     | 25.0 | 47.8 | 53.1 | 35.9 |
| 3825 Office, computing and accounting machinery | 173    | 413    | 453    | 1415   | 34    | 119   | 63     | 189    | 19.7 | 13.4 | 61.8 | 60.7 |
| 3829 Other non-electrical machinery & equipment | 1272   | 1853   | 2535   | 3016   | 469   | 815   | 676    | 1048   | 38.1 | 34.7 | 48.4 | 67.9 |
| 383 Electrical machinery                        | 10806  | 16989  | 25628  | 32798  | 2900  | 4595  | 6488   | 9056   | 26.8 | 29.5 | 40.2 | 31.8 |
| 3831 Electrical industrial machinery            | 425    | 506    | 878    | 1062   | 65    | 223   | 282    | 408    | 15.3 | 38.8 | 87.7 | 38.0 |
| 3832 Radio, television and communication equipm | 8073   | 14204  | 18546  | 22113  | 2112  | 3226  | 4516   | 6613   | 26.2 | 25.4 | 43.6 | 40.8 |
| 3833 Electrical appliances and housewares       | 434    | 825    | 1149   | 2202   | 181   | 323   | 366    | 877    | 41.7 | 39.8 | 24.3 | 16.1 |
| 3839 Other electrical apparatus and supplies    | 1874   | 3364   | 5066   | 7431   | 642   | 823   | 1324   | 2767   | 28.9 | 37.2 | 27.3 | 17.9 |
| 384 Transport equipment                         | 2546   | 4381   | 8895   | 18170  | 644   | 1228  | 2353   | 4548   | 25.3 | 25.0 | 45.3 | 17.9 |
| 3841 Shipbuilding and repairing                 | 427    | 656    | 808    | 925    | 178   | 333   | 364    | 441    | 41.7 | 47.7 | 57.9 | 50.3 |
| 3842 Railroad equipment                         | -      | -      | -      | -      | -     | -     | -      | -      | -    | -    | -    | -    |
| 3843 Motor vehicles                             | 1831   | 3257   | 7337   | 15818  | 367   | 730   | 1650   | 3599   | 20.0 | 22.8 | 41.7 | 14.3 |
| 3844 Motorcycles and bicycles                   | 206    | 408    | 641    | 1292   | 64    | 140   | 260    | 461    | 31.1 | 35.7 | 37.6 | 9.3  |
| 3845 Aircraft                                   | 82     | 60     | 109    | 136    | 35    | 25    | 59     | 47     | 42.7 | 34.8 | 31.4 | 80.9 |
| 3849 Other transport equipment                  | b/     | b/     |        |        | b/    |       |        |        | b/   | b/   |      |      |
| 385 Professional and scientific equipment       | 306    | 470    | 629    | 704    | 95    | 223   | 303    | 371    | 31.0 | 52.7 | 72.6 | 48.8 |
| 3851 Prof and scientific equipment n e c        | 131c/  |        |        |        | 34c/  |       |        |        | 26.0 |      | 32.4 |      |
| 3852 Photographic and optical goods             | c/     |        |        |        | c/    |       |        |        |      |      |      |      |
| 3853 Watches and clocks                         | 175    |        |        |        | 61    |       |        |        | 34.9 |      | 96.1 |      |
| 390 Other manufacturing industries              | 1071   | 1261   | 2376   | 3099   | 514   | 517   | 982    | 1063   | 48.0 | 34.3 | 53.3 | 53.3 |
| 3901 Jewellery and related articles             | 31     | 101    | 81     | 127    | 15    | 70    | 46     | 76     | 48.4 | 69.8 | 86.7 | 64.6 |
| 3902 Musical instruments                        | 36     | 52     | 68     | 64     | 18    | 16    | 36     | 36     | 61.4 | 56.3 | 94.4 | 75.0 |
| 3903 Sporting and athletic goods                | 109    | 168    | 326    | 396    | 21    | 31    | 90     | 104    | 19.3 | 26.3 | 66.7 | 64.8 |
| 3909 Manufacturing industries, n e c            | 896    | 940    | 1900   | 2511   | 460   | 400   | 810    | 847    | 51.3 | 33.7 | 50.0 | 51.1 |
| 3 Total manufacturing                           | 224789 | 297932 | 385010 | 463055 | 64151 | 83980 | 120105 | 146560 | 28.6 | 31.4 | 22.6 | 26.7 |

a/ 3821 includes 3822  
c/ 3851 includes 3852

b/ 3845 includes 3849

## Philippines

| ISIC Industry                             | Note | Gross fixed capital formation |      |       |       | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|-------|-------|------|--|------|------|------|------|------|------|------|------|
|   |      | (million PESOS)               |      |       |       |      | (1980=100)                             |      |      |      |      |      |      |      |      |
|   |      | 1985                          | 1987 | 1988  | 1989  |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      | 1068                          | 1284 | 3011  | 3225  |      | 229                                    | 265  | 262  | 285  | 342  | 379  | 410  | 455  | 503  |
| 313 Beverages                             |      | 299                           | 638  | 780   | 1034  |      | 267                                    | 296  | 303  | 388  | 463  | 609  | 681  | 689  | 736  |
| 314 Tobacco                               |      | -786                          | 285  | 41    | 163   |      | 238                                    | 326  | 242  | 213  | 218  | 233  | 224  | 246  | 255  |
| 321 Textiles                              |      | 310                           | 1234 | 1998  | 1394  |      | 178                                    | 166  | 221  | 266  | 274  | 288  | 289  | 322  | 317  |
| 322 Wearing apparel, except footwear      |      | 115                           | 261  | 320   | 914   | a/   | 242                                    | 233  | 294  | 367  | 430  | 637  | 568  | 670  | 723  |
| 323 Leather and fur products              |      | 4                             | 25   | 28    | 12    |      | 135                                    | 141  | 132  | 181  | 177  | 198  | 217  | 263  | 277  |
| 324 Footwear, except rubber or plastic    |      | 14                            | 8    | 12    | 19    | a/   | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 331 Wood products, except furniture       |      | 161                           | 240  | 340   | 311   |      | 163                                    | 157  | 117  | 130  | 171  | 185  | 253  | 287  | 278  |
| 332 Furniture and fixtures, excl metal    |      | 45                            | 78   | 99    | 128   |      | 240                                    | 232  | 248  | 258  | 323  | 401  | 509  | 647  | 661  |
| 341 Paper and products                    |      | 48                            | 126  | 180   | 208   |      | 209                                    | 170  | 199  | 222  | 260  | 319  | 322  | 359  | 281  |
| 342 Printing and publishing               |      | 20                            | 144  | 133   | 337   |      | 190                                    | 270  | 302  | 350  | 400  | 455  | 497  | 596  | 650  |
| 351 Industrial chemicals                  |      | 235                           | 631  | 382   | 313   |      | 178                                    | 161  | 161  | 163  | 194  | 209  | 226  | 246  | 266  |
| 352 Other chemicals                       |      | 968                           | 458  | 745   | 1376  |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 353 Petroleum refineries                  |      | 441                           | 1102 | 515   | 234   |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 354 Misc petroleum and coal products      |      | 1                             | 9    | 6     | -     |      | 187                                    | 191  | 189  | 196  | 212  | 229  | 331  | 400  | 377  |
| 355 Rubber products                       |      | 143                           | 127  | 345   | 479   |      | 212                                    | 192  | 222  | 299  | 374  | 400  | 440  | 524  | 637  |
| 356 Plastic products                      |      | 42                            | 102  | 188   | 173   |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 361 Pottery, china, earthenware           |      | 10                            | 14   | 72    | 141   | b/   | 172                                    | 173  | 182  | 213  | 258  | 310  | 365  | 468  | 474  |
| 362 Glass and products                    |      | 71                            | 99   | 184   | 192   | b/   | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 369 Other non-metallic mineral products   |      | 213                           | 207  | 230   | 380   | b/   | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 371 Iron and steel                        |      | 1130                          | 821  | 3197  | 1021  |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 372 Non-ferrous metals                    |      | 29                            | 10   | 209   | 247   |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 381 Fabricated metal products             |      | 52                            | 147  | 185   | 96    |      | 337                                    | 629  | 1140 | 1131 | 1133 | 1362 | 1631 | 1754 | 1914 |
| 382 Non-electrical machinery              |      | 60                            | 52   | 180   | 224   |      | 190                                    | 252  | 263  | 251  | 301  | 342  | 413  | 492  | 538  |
| 383 Electrical machinery                  |      | 496                           | 1541 | 1700  | 1674  |      | 231                                    | 281  | 360  | 435  | 588  | 606  | 678  | 796  | 873  |
| 384 Transport equipment                   |      | 49                            | 78   | 297   | 596   |      | 131                                    | 191  | 495  | 728  | 1185 | 1387 | 1413 | 1695 | 1811 |
| 385 Professional and scientific equipment |      | 17                            | 81   | 14    | 11    |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 390 Other manufacturing industries        |      | 76                            | 42   | 77    | 159   |      | 243                                    | 289  | 471  | 464  | 391  | 422  | 462  | 637  | 607  |
| 3 Total manufacturing                     |      | 5331                          | 9845 | 15468 | 14951 |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |

a/ 322 includes 324

b/ 361 includes 362 and 369

## POLAND

**Supplier of information:**

Central Statistical Office, Warsaw.

**Basic source of data:**

Annual statistical reports of enterprises of socialized industry.

Socialized industry comprises industrial enterprises (state-owned, co-operative and of social organizations), industrial establishments of non-industrial co-operatives (consumer and horticulture) and budgetary units.

**Major deviations from current version of ISIC:**

None reported

**Reference period (if not calendar year):****Scope:**

Prior to 1991 the data for number of enterprises cover socialized and non-socialized industries, while all other variables relate to the socialized industry only. Beginning 1991 the data cover all enterprises employing 50 or more persons.

**Method of enumeration:**

Data are compiled according to the enterprise and self-financing establishment method.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of establishments refers to 31 December of the year indicated.

Number of employees represents the annual average. For part-time employees figures have been converted to full-time equivalents.

Wages and salaries is computed by UNIDO from reported wages and salaries per employee.

Gross fixed capital formation includes outlays on non-productive investment (training of staff), outlays on capital repairs are excluded. The value of sales of fixed assets is not deducted.

**Related national publications:**

Rocznik Statystyczny Przemysłu (Statistical Yearbook of Industry); Rocznik Statystyczny (Statistical Yearbook); Concise Statistical Yearbook of Poland, all published by the Central Statistical Office, Warsaw.

## Poland

| ISIC Industry                             | Note | Number of enterprises |        |        |        | Note | Number of employees |        |        |        | Note  | Wages and salaries paid to employees |         |         |        |
|---|------|-----------------------|--------|--------|--------|------|---------------------|--------|--------|--------|-------|--------------------------------------|---------|---------|--------|
|   |      | (numbers)             |        |        |        |      | (thousands)         |        |        |        |       | (billion ZLOTYS)                     |         |         |        |
|   |      | 1985a/                | 1990a/ | 1991b/ | 1992b/ |      | 1985c/              | 1990c/ | 1991b/ | 1992b/ |       | 1985c/                               | 1990c/  | 1991b/  | 1992b/ |
| 311/2 Food Products                       |      | 757                   | 910    | 1086   | 728    | 382  | 368                 | 360    | 349    |        | 83.4  | 4395.1                               | 7410.0  | 9891.0  |        |
| 313 Beverages                             |      | 78                    | 84     | 123    | 41     | 32   | 29                  | 31     | 30     |        | 7.1   | 387.6                                | 828.0   | 1189.0  |        |
| 314 Tobacco                               |      | 8                     | 18     | 7      | 1      | 12   | 10                  | 11     | 11     |        | 3.0   | 135.1                                | 268.0   | 367.0   |        |
| 321 Textiles                              |      | 366                   | 414    | 417    | 139    | 352  | 286                 | 220    | 174    |        | 80.5  | 2998.4                               | 3779.0  | 4037.0  |        |
| 322 Wearing apparel, except footwear      |      | 443                   | 524    | 728    | 573    | 200  | 160                 | 161    | 142    |        | 41.3  | 1500.4                               | 2603.0  | 3196.0  |        |
| 323 Leather and fur products              |      | 102                   | 103    | 94     | 42     | 34   | 27                  | 19     | 18     |        | 7.6   | 273.8                                | 310.0   | 359.0   |        |
| 324 Footwear, except rubber or plastic    |      | 114                   | 123    | 169    | 110    | 99   | 85                  | 72     | 60     |        | 21.3  | 798.4                                | 1152.0  | 1267.0  |        |
| 331 Wood products, except furniture       |      | 228                   | 256    | 299    | 122    | 83   | 65                  | 58     | 57     |        | 18.4  | 746.5                                | 1068.0  | 1451.0  |        |
| 332 Furniture and fixtures, excl. metal   |      | 247                   | 292    | 302    | 209    | 99   | 77                  | 82     | 72     |        | 21.6  | 785.5                                | 1438.0  | 1764.0  |        |
| 341 Paper and products                    |      | 55                    | 66     | 92     | 38     | 48   | 42                  | 39     | 33     |        | 10.7  | 501.7                                | 784.0   | 958.0   |        |
| 342 Printing and publishing               |      | 112                   | 148    | 136    | 66     | 45   | 40                  | 33     | 28     |        | 10.9  | 436.9                                | 681.0   | 783.0   |        |
| 351 Industrial chemicals                  |      | 62                    | 65     | 67     | 15     | 117  | 108                 | 88     | 79     |        | 28.8  | 1485.8                               | 1814.0  | 2297.0  |        |
| 352 Other chemicals                       |      | 141                   | 145    | 187    | 88     | 63   | 56                  | 56     | 57     |        | 15.1  | 711.7                                | 1272.0  | 1803.0  |        |
| 353 Petroleum refineries                  |      | 8                     | 8      | 9      | 8      | 16   | 16                  | 18     | 16     |        | 4.2   | 377.6                                | 643.0   | 769.0   |        |
| 354 Misc. petroleum and coal products     |      | 4                     | 5      | 5      | 4      | 12   | 13                  | 11     | 7      |        | 3.6   | 231.1                                | 341.0   | 309.0   |        |
| 355 Rubber products                       |      | 43                    | 46     | 48     | 50     | 40   | 34                  | 29     | 23     |        | 9.4   | 360.4                                | 518.0   | 630.0   |        |
| 356 Plastic products                      |      | 126                   | 135    | 147    | 147    | 61   | 41                  | 42     | 37     |        | 11.6  | 466.2                                | 849.0   | 1047.0  |        |
| 361 Pottery, china, earthenware           |      | 32                    | 34     | 38     | 40     | 26   | 24                  | 21     | 17     |        | 6.9   | 261.6                                | 366.0   | 424.0   |        |
| 362 Glass and products                    |      | 81                    | 85     | 92     | 87     | 55   | 46                  | 42     | 37     |        | 12.7  | 615.0                                | 796.0   | 917.0   |        |
| 369 Other non-metallic mineral products   |      | 208                   | 323    | 378    | 379    | 124  | 102                 | 96     | 83     |        | 28.0  | 1147.1                               | 1883.0  | 2267.0  |        |
| 371 Iron and steel                        |      | 39                    | 46     | 50     | 46     | 160  | 136                 | 126    | 118    |        | 50.8  | 2261.9                               | 3242.0  | 3967.0  |        |
| 372 Non-ferrous metals                    |      | 22                    | 23     | 20     | 22     | 34   | 30                  | 32     | 23     |        | 10.6  | 517.2                                | 853.0   | 846.0   |        |
| 381 Fabricated metal products             |      | 449                   | 823    | 522    | 505    | 243  | 196                 | 174    | 160    |        | 54.8  | 2184.4                               | 3298.0  | 4127.0  |        |
| 382 Non-electrical machinery              |      | 566                   | 720    | 745    | 718    | 509  | 416                 | 359    | 298    |        | 122.2 | 6163.0                               | 7100.0  | 8061.0  |        |
| 383 Electrical machinery                  |      | 291                   | 355    | 363    | 339    | 276  | 235                 | 187    | 144    |        | 64.6  | 2730.0                               | 3642.0  | 3818.0  |        |
| 384 Transport equipment                   |      | 253                   | 324    | 335    | 289    | 336  | 276                 | 235    | 205    |        | 86.0  | 3472.4                               | 4666.0  | 5873.0  |        |
| 385 Professional and scientific equipment |      | 91                    | 108    | 99     | 86     | 45   | 37                  | 29     | 23     |        | 10.9  | 426.3                                | 674.0   | 603.0   |        |
| 390 Other manufacturing industries        |      | 255                   | 240    | 193    | 81     | 87   | 62                  | 42     | 24     |        | 21.7  | 732.9                                | 891.0   | 690.0   |        |
| 3 Total manufacturing                     |      | 5181                  | 6422   | 6751   | 4976   | 3578 | 3014                | 2671   | 2322   |        | 866.7 | 36003.6                              | 52959.0 | 63699.0 |        |

a/ Socialized and non-socialized industry  
 c/ Socialized industry only

b/ Enterprises with 50 or more persons engaged.



## Poland

| ISIC Industry                             | Note | Output           |        |      |      | Note   | Value added      |        |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|------------------|--------|------|------|--------|------------------|--------|------|------|--------------------------------|------|--|------|
|   |      | (billion ZLOTYS) |        |      |      |        | (billion ZLOTYS) |        |      |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985             | 1990a/ | 1991 | 1992 |        | 1985a/           | 1990a/ | 1991 | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       | b/   | 75281 0          | ..     | ..   | ..   | 21 2   | 24654 0          | ..     | ..   | ..   | ..                             | ..   | ..   |      |
| 313 Beverages                             |      | 21135 0          | ..     | ..   | ..   | 627 1  | 17466 0          | ..     | ..   | ..   | ..                             | 1 3  | ..   |      |
| 314 Tobacco                               |      | 5278 0           | ..     | ..   | ..   | 10 9   | 3603 0           | ..     | ..   | ..   | ..                             | 27 9 | ..   |      |
| 321 Textiles                              |      | 20704 0          | ..     | ..   | ..   | 359 6  | 11508 0          | ..     | ..   | ..   | ..                             | 22 4 | ..   |      |
| 322 Wearing apparel, except footwear      |      | 9704 0           | ..     | ..   | ..   | 117 8  | 4106 0           | ..     | ..   | ..   | ..                             | 35 1 | ..   |      |
| 323 Leather and fur products              |      | 3354 0           | ..     | ..   | ..   | 32 5   | 1141 0           | ..     | ..   | ..   | ..                             | 23 6 | ..   |      |
| 324 Footwear, except rubber or plastic    |      | 6239 0           | ..     | ..   | ..   | 63 2   | 2494 0           | ..     | ..   | ..   | ..                             | 33 8 | ..   |      |
| 331 Wood products, except furniture       |      | 10400 0          | ..     | ..   | ..   | 63 8   | 3086 0           | ..     | ..   | ..   | ..                             | 28 8 | ..   |      |
| 332 Furniture and fixtures, excl metal    |      | 5612 0           | ..     | ..   | ..   | 73 6   | 2918 0           | ..     | ..   | ..   | ..                             | 29 3 | ..   |      |
| 341 Paper and products                    |      | 7663 0           | ..     | ..   | ..   | 39 6   | 3309 0           | ..     | ..   | ..   | ..                             | 27 1 | ..   |      |
| 342 Printing and publishing               |      | 3070 0           | ..     | ..   | ..   | 30 6   | 1574 0           | ..     | ..   | ..   | ..                             | 35 6 | ..   |      |
| 351 Industrial chemicals                  |      | 24245 0          | ..     | ..   | ..   | 108 0  | 10031 0          | ..     | ..   | ..   | ..                             | 26 7 | ..   |      |
| 352 Other chemicals                       |      | 11829 0          | ..     | ..   | ..   | 94 8   | 8189 0           | ..     | ..   | ..   | ..                             | 16 0 | ..   |      |
| 353 Petroleum refineries                  |      | 25733 0          | ..     | ..   | ..   | 182 3  | 13480 0          | ..     | ..   | ..   | ..                             | 2 3  | ..   |      |
| 354 Misc petroleum and coal products      |      | 6545 0           | ..     | ..   | ..   | 8 8    | 2363 0           | ..     | ..   | ..   | ..                             | 40 6 | ..   |      |
| 355 Rubber products                       |      | 3629 0           | ..     | ..   | ..   | 60 2   | 1989 0           | ..     | ..   | ..   | ..                             | 18 8 | ..   |      |
| 356 Plastic products                      |      | 5137 0           | ..     | ..   | ..   | 43 6   | 2801 0           | ..     | ..   | ..   | ..                             | 26 3 | ..   |      |
| 361 Pottery, china, earthenware           |      | 1558 0           | ..     | ..   | ..   | 21 5   | 1021 0           | ..     | ..   | ..   | ..                             | 27 4 | ..   |      |
| 362 Glass and products                    |      | 4073 0           | ..     | ..   | ..   | 41 5   | 2155 0           | ..     | ..   | ..   | ..                             | 30 5 | ..   |      |
| 369 Other non-metallic mineral products   |      | 12709 0          | ..     | ..   | ..   | 93 3   | 5723 0           | ..     | ..   | ..   | ..                             | 30 0 | ..   |      |
| 371 Iron and steel                        |      | 44904 0          | ..     | ..   | ..   | 170 8  | 17924 0          | ..     | ..   | ..   | ..                             | 29 8 | ..   |      |
| 372 Non-ferrous metals                    |      | 22151 0          | ..     | ..   | ..   | 49 5   | 9031 0           | ..     | ..   | ..   | ..                             | 21 1 | ..   |      |
| 381 Fabricated metal products             |      | 23067 0          | ..     | ..   | ..   | 198 2  | 10266 0          | ..     | ..   | ..   | ..                             | 27 5 | ..   |      |
| 382 Non-electrical machinery              |      | 42303 0          | ..     | ..   | ..   | 494 4  | 24741 0          | ..     | ..   | ..   | ..                             | 26 7 | ..   |      |
| 383 Electrical machinery                  |      | 26972 0          | ..     | ..   | ..   | 265 0  | 13492 0          | ..     | ..   | ..   | ..                             | 24 4 | ..   |      |
| 384 Transport equipment                   |      | 34837 0          | ..     | ..   | ..   | 331 8  | 17624 0          | ..     | ..   | ..   | ..                             | 25 9 | ..   |      |
| 385 Professional and scientific equipment |      | 2340 0           | ..     | ..   | ..   | 36 9   | 1641 0           | ..     | ..   | ..   | ..                             | 29 5 | ..   |      |
| 390 Other manufacturing industries        |      | 4563 0           | ..     | ..   | ..   | 64 4   | 2454 0           | ..     | ..   | ..   | ..                             | 33 8 | ..   |      |
| 3 Total manufacturing                     | b/   | 463975 0         | ..     | ..   | ..   | 3594 9 | 216660 0         | ..     | ..   | ..   | ..                             | 23 8 | ..   |      |

a/ Socialized industry only

b/ Including sea fishing.

## Poland

| ISIC Industry                             | Note | Gross fixed capital formation |         |         |         | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |
|---|------|-------------------------------|---------|---------|---------|------|--|------|------|------|------|------|------|------|------|
|   |      | (billion ZLOTYS)              |         |         |         |      | (1980=100)                             |      |      |      |      |      |      |      |      |
|   |      | 1985a/                        | 1990a/  | 1991b/  | 1992b/  |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      | 71.1                          | 5581.9  | 7803.0  | 9616.0  |      | 94                                     | 100  | 104  | 106  | 109  | 97   | 67   | 66   | 72   |
| 313 Beverages                             |      | 4.6                           | 540.1   | 1298.0  | 2416.0  |      | 78                                     | 77   | 79   | 77   | 78   | 75   | 66   | 71   | 68   |
| 314 Tobacco                               |      | 1.7                           | 158.4   | 554.0   | 411.0   |      | 85                                     | 87   | 93   | 96   | 86   | 98   | 93   | 88   | 93   |
| 321 Textiles                              |      | 25.6                          | 1178.3  | 1059.0  | 1070.0  |      | 83                                     | 88   | 89   | 90   | 98   | 102  | 61   | 49   | 48   |
| 322 Wearing apparel, except footwear      |      | 6.1                           | 749.5   | 366.0   | 1050.0  |      | 101                                    | 106  | 112  | 116  | 128  | 124  | 85   | 75   | 84   |
| 323 Leather and fur products              |      | 1.6                           | 116.8   | 51.0    | 207.0   |      | 109                                    | 111  | 113  | 115  | 126  | 131  | 82   | 69   | 60   |
| 324 Footwear, except rubber or plastic    |      | 5.1                           | 137.6   | 102.0   | 176.0   |      | 103                                    | 112  | 117  | 124  | 133  | 124  | 82   | 67   | 67   |
| 331 Wood products, except furniture       |      | 5.6                           | 626.4   | 630.0   | 990.0   |      | 97                                     | 100  | 104  | 106  | 109  | 109  | 80   | 132  | 164  |
| 332 Furniture and fixtures, excl. metal   |      | 5.0                           | 354.9   | 407.0   | 587.0   |      | 107                                    | 114  | 120  | 122  | 137  | 137  | 104  | 116  | 125  |
| 341 Paper and products                    |      | 9.1                           | 847.4   | 612.0   | 924.0   |      | 102                                    | 103  | 111  | 116  | 123  | 119  | 91   | 88   | 96   |
| 342 Printing and publishing               |      | 4.9                           | 338.7   | 338.0   | 634.0   |      | 123                                    | 136  | 164  | 169  | 187  | 193  | 143  | 124  | 130  |
| 351 Industrial chemicals                  |      | 31.2                          | 1691.5  | 3345.0  | 4076.0  |      | 98                                     | 97   | 101  | 107  | 116  | 116  | 87   | 66   | 71   |
| 352 Other chemicals                       |      | 10.9                          | 858.6   | 1148.0  | 1356.0  |      | 104                                    | 117  | 124  | 130  | 137  | 130  | 92   | 102  | 90   |
| 353 Petroleum refineries                  |      | 2.9                           | 721.7   | 1317.0  | 1728.0  |      | 85                                     | 82   | 83   | 84   | 87   | 81   | 61   | 63   | 61   |
| 354 Misc. petroleum and coal products     |      | 26.1                          | 148.4   | 209.0   | 193.0   |      | 103                                    | 115  | 113  | 115  | 109  | 104  | 82   | 60   | 55   |
| 355 Rubber products                       |      | 6.0                           | 131.2   | 178.0   | 406.0   |      | 96                                     | 87   | 86   | 86   | 90   | 91   | 62   | 54   | 63   |
| 356 Plastic products                      |      | 5.7                           | 384.1   | 501.0   | 1014.0  |      | 107                                    | 110  | 116  | 121  | 134  | 141  | 111  | 139  | 166  |
| 361 Pottery, china, earthenware           |      | 3.1                           | 111.2   | 189.0   | 200.0   |      | 126                                    | 131  | 135  | 139  | 162  | 160  | 117  | 101  | 106  |
| 362 Glass and products                    |      | 3.2                           | 354.0   | 429.0   | 489.0   |      | 108                                    | 106  | 108  | 113  | 118  | 124  | 89   | 86   | 88   |
| 369 Other non-metallic mineral products   |      | 14.7                          | 687.0   | 1003.0  | 1427.0  |      | 91                                     | 84   | 87   | 91   | 96   | 96   | 69   | 63   | 70   |
| 371 Iron and steel                        |      | 23.7                          | 2519.4  | 3178.0  | 3250.0  |      | 85                                     | 84   | 87   | 85   | 85   | 78   | 64   | 49   | 47   |
| 372 Non-ferrous metals                    |      | 5.5                           | 721.4   | 971.0   | 1492.0  |      | 96                                     | 98   | 98   | 98   | 106  | 106  | 76   | 63   | 58   |
| 381 Fabricated metal products             |      | 20.2                          | 1017.9  | 1068.0  | 1674.0  |      | 86                                     | 91   | 96   | 100  | 106  | 108  | 75   | 64   | 69   |
| 382 Non-electrical machinery              |      | 56.1                          | 1735.8  | 2035.0  | 1778.0  |      | 107                                    | 116  | 125  | 135  | 146  | 144  | 113  | 85   | 77   |
| 383 Electrical machinery                  |      | 23.5                          | 1318.5  | 1166.0  | 2317.0  |      | 107                                    | 116  | 126  | 136  | 162  | 165  | 122  | 96   | 96   |
| 384 Transport equipment                   |      | 30.7                          | 5222.2  | 7529.0  | 6457.0  |      | 91                                     | 96   | 100  | 107  | 113  | 106  | 80   | 60   | 60   |
| 385 Professional and scientific equipment |      | 2.7                           | 140.0   | 150.0   | 344.0   |      | 116                                    | 127  | 141  | 164  | 170  | 168  | 133  | 108  | 109  |
| 390 Other manufacturing industries        |      | 4.8                           | 184.6   | 196.0   | 218.0   |      | 123                                    | 137  | 149  | 162  | 178  | 187  | 101  | 73   | 69   |
| 3 Total manufacturing                     |      | 411.6                         | 28217.5 | 37721.0 | 45498.0 |      | 94                                     | 98   | 103  | 107  | 114  | 113  | 84   | 73   | 74   |

a/ Socialized industry only

b/ Enterprises with 50 or more persons engaged

## PORTUGAL

**Supplier of information:**

National Statistical Institute, Lisbon.

Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

**Basic source of data:**

Annual survey of manufacturing industries.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

Not reported.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of employees covers all persons working, on vacation or sick leave, or on strike during the last week of the year.

Output is gross output, defined as the total value of finished goods produced (intermediate goods sold as such are considered as finished products), plus the value of fixed assets produced for own use, industrial work done for others, electricity sold, waste products sold to third persons, less the value of work in progress at the beginning of the year.

Value added is gross output, plus the value of work done in the capacity of sub-contractor, less the value of materials, lubricants and energy consumed, hiring of machinery and contract work done by others, the value of industrial, repair and maintenance work done by others and non-industrial services received, and the value of duties paid for utilisation of manufacturing processes.

**Related national publications:**

Industrial Statistics (Volume I and Volume II), published by the National Statistical Institute, Lisbon.





## Portugal

| ISIC Industry                                    | Note | Output in producers' prices |        |      |      | Note   | Value added in producers' prices |      |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-----------------------------|--------|------|------|--------|----------------------------------|------|------|------|--------------------------------|------|--|------|
|  |      | (million ESCUDOS)           |        |      |      |        | (million ESCUDOS)                |      |      |      | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                        | 1987   | 1988 | 1989 |        | 1985                             | 1987 | 1988 | 1989 | 1985                           | 1989 | 1985                                       | 1989 |
| 311/2 Food Products                              |      | 465532                      | 592548 | ...  | ...  | 80998  | 115488                           | ...  | ...  | 17.4 | ...                            | 33.8 | ...  |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 43049                       | 55911  | ...  | ...  | 5343   | 8284                             | ...  | ...  | 12.4 | ...                            | 34.2 | ...  |      |
| 3112 Dairy products                              |      | 77761                       | 99935  | ...  | ...  | 10117  | 18674                            | ...  | ...  | 13.0 | ...                            | 41.9 | ...  |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 22366                       | 21979  | ...  | ...  | 5791   | 6593                             | ...  | ...  | 25.9 | ...                            | 38.5 | ...  |      |
| 3114 Canning, preserving and processing of fish  |      | 29685                       | 37556  | ...  | ...  | 5158   | 7063                             | ...  | ...  | 17.4 | ...                            | 62.6 | ...  |      |
| 3115 Vegetable and animal oils and fats          |      | 33578                       | 36631  | ...  | ...  | 6048   | 8186                             | ...  | ...  | 18.0 | ...                            | 32.5 | ...  |      |
| 3116 Grain mill products                         |      | 59908                       | 78623  | ...  | ...  | 8322   | 9794                             | ...  | ...  | 13.9 | ...                            | 21.0 | ...  |      |
| 3117 Bakery products                             |      | 46684                       | 60632  | ...  | ...  | 16229  | 20240                            | ...  | ...  | 33.5 | ...                            | 43.0 | ...  |      |
| 2118 Sugar factories and refineries              |      | 19956                       | 28187  | ...  | ...  | 2978   | 5177                             | ...  | ...  | 14.9 | ...                            | 37.6 | ...  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 9555                        | 12773  | ...  | ...  | 3638   | 4928                             | ...  | ...  | 38.1 | ...                            | 37.3 | ...  |      |
| 312 Other food products                          |      | 24701                       | 30371  | ...  | ...  | 4589   | 7993                             | ...  | ...  | 18.6 | ...                            | 25.3 | ...  |      |
| 3122 Prepared animal feeds                       |      | 98292                       | 129950 | ...  | ...  | 13386  | 20556                            | ...  | ...  | 13.6 | ...                            | 17.3 | ...  |      |
| 313 Beverages                                    |      | 42163                       | 59655  | ...  | ...  | 22665  | 30265                            | ...  | ...  | 53.8 | ...                            | 17.8 | ...  |      |
| 3131 Distilling, rectifying and blending spirits |      | 4564                        | 3690   | ...  | ...  | 2706   | 1733                             | ...  | ...  | 59.3 | ...                            | 11.1 | ...  |      |
| 3132 Wine industries                             |      | 5019                        | 6112   | ...  | ...  | 2388   | 2314                             | ...  | ...  | 47.6 | ...                            | 15.4 | ...  |      |
| 3133 Malt liquors and malt                       |      | 19722                       | 30850  | ...  | ...  | 11296  | 16860                            | ...  | ...  | 57.3 | ...                            | 16.6 | ...  |      |
| 3134 Soft drinks and carbonated waters           |      | 12859                       | 19003  | ...  | ...  | 6275   | 9358                             | ...  | ...  | 48.8 | ...                            | 23.9 | ...  |      |
| 314 Tobacco                                      |      | 24441                       | 31114  | ...  | ...  | 15925  | 21332                            | ...  | ...  | 65.2 | ...                            | 7.7  | ...  |      |
| 32 Textiles                                      |      | 336495                      | 440251 | ...  | ...  | 115680 | 166502                           | ...  | ...  | 34.4 | ...                            | 41.6 | ...  |      |
| 321 Spinning, weaving and finishing textiles     |      | 236287                      | 294137 | ...  | ...  | 81268  | 117536                           | ...  | ...  | 34.4 | ...                            | 42.0 | ...  |      |
| 3212 Made-up textile goods excl. wearing apparel |      | 6483                        | 7008   | ...  | ...  | 3621   | 3065                             | ...  | ...  | 55.9 | ...                            | 46.8 | ...  |      |
| 3213 Knitting mills                              |      | 68561                       | 109223 | ...  | ...  | 22521  | 35484                            | ...  | ...  | 32.8 | ...                            | 41.5 | ...  |      |
| 3214 Carpets and rugs                            |      | 8573                        | 11542  | ...  | ...  | 2613   | 4363                             | ...  | ...  | 30.6 | ...                            | 44.9 | ...  |      |
| 3215 Cordage, rope and twine                     |      | 11232                       | 11803  | ...  | ...  | 3866   | 3543                             | ...  | ...  | 32.6 | ...                            | 39.0 | ...  |      |
| 3219 Other textiles                              |      | 5360                        | 6538   | ...  | ...  | 1991   | 2111                             | ...  | ...  | 37.1 | ...                            | 20.2 | ...  |      |
| 322 Wearing apparel, except footwear             |      | 87936                       | 131287 | ...  | ...  | 31044  | 46207                            | ...  | ...  | 36.3 | ...                            | 45.7 | ...  |      |
| 323 Leather and fur products                     |      | 28606                       | 42831  | ...  | ...  | 7029   | 10096                            | ...  | ...  | 24.6 | ...                            | 31.3 | ...  |      |
| 3231 Tanneries and leather finishing             |      | 26811                       | 39826  | ...  | ...  | 6300   | 8945                             | ...  | ...  | 23.5 | ...                            | 27.8 | ...  |      |
| 3232 Fur dressing and dyeing industries          |      | 1795                        | 3005   | ...  | ...  | 729    | 1151                             | ...  | ...  | 40.6 | ...                            | 61.3 | ...  |      |
| 3233 Leather prods. excl. wearing apparel        |      | 47416                       | 74281  | ...  | ...  | 14648  | 22278                            | ...  | ...  | 30.9 | ...                            | 45.7 | ...  |      |
| 324 Footwear, except rubber or plastic           |      | 83496                       | 117573 | ...  | ...  | 25530  | 36753                            | ...  | ...  | 30.6 | ...                            | 45.6 | ...  |      |
| 331 Wood products, except furniture              |      | 47984                       | 72937  | ...  | ...  | 14481  | 23870                            | ...  | ...  | 30.2 | ...                            | 47.0 | ...  |      |
| 3311 Sawmills, planing and other wood mills      |      | 723                         | 4243   | ...  | ...  | 274    | 487                              | ...  | ...  | 37.9 | ...                            | 65.3 | ...  |      |
| 3312 Wooden and cane containers                  |      | 34789                       | 43393  | ...  | ...  | 10775  | 12396                            | ...  | ...  | 31.0 | ...                            | 43.1 | ...  |      |
| 3319 Other wood and cork products                |      | 13809                       | 23003  | ...  | ...  | 5122   | 8912                             | ...  | ...  | 37.1 | ...                            | 58.9 | ...  |      |
| 332 Furniture and fixtures, excl. metal          |      | 133427                      | 192338 | ...  | ...  | 46978  | 82574                            | ...  | ...  | 35.2 | ...                            | 23.6 | ...  |      |
| 341 Paper and products                           |      | 105483                      | 152337 | ...  | ...  | 39782  | 71307                            | ...  | ...  | 37.7 | ...                            | 21.3 | ...  |      |
| 3411 Pulp, paper and paperboard articles         |      | 27944                       | 40001  | ...  | ...  | 7196   | 11267                            | ...  | ...  | 25.7 | ...                            | 36.1 | ...  |      |
| 3412 Containers of paper and paperboard          |      | -                           | -      | ...  | ...  | -      | -                                | ...  | ...  | -    | ...                            | -    | ...  |      |
| 3419 Other pulp, paper and paperboard articles   |      | -                           | -      | ...  | ...  | -      | -                                | ...  | ...  | -    | ...                            | -    | ...  |      |
| 342 Printing and publishing                      |      | 51294                       | 76897  | ...  | ...  | 23876  | 37947                            | ...  | ...  | 46.5 | ...                            | 49.1 | ...  |      |
| 35 Industrial chemicals                          |      | 216676                      | 239719 | ...  | ...  | 36588  | 53030                            | ...  | ...  | 16.9 | ...                            | 25.1 | ...  |      |
| 351 Basic chemicals excl. fertilizers            |      | 109933                      | 118750 | ...  | ...  | 17917  | 21868                            | ...  | ...  | 16.3 | ...                            | 27.6 | ...  |      |
| 3512 Fertilizers and pesticides                  |      | 34934                       | 39917  | ...  | ...  | 6096   | 11256                            | ...  | ...  | 14.6 | ...                            | 39.1 | ...  |      |
| 3513 Synthetic resins and plastic materials      |      | 71809                       | 81052  | ...  | ...  | 13555  | 19907                            | ...  | ...  | 18.9 | ...                            | 19.2 | ...  |      |
| 352 Other chemicals                              |      | 100907                      | 141286 | ...  | ...  | 32403  | 60991                            | ...  | ...  | 32.1 | ...                            | 39.8 | ...  |      |
| 3521 Paints, varnishes and lacquers              |      | 18129                       | 25561  | ...  | ...  | 5687   | 7883                             | ...  | ...  | 30.8 | ...                            | 35.3 | ...  |      |
| 3522 Drugs and medicines                         |      | 32777                       | 51010  | ...  | ...  | 11763  | 21036                            | ...  | ...  | 36.9 | ...                            | 42.6 | ...  |      |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      | 35838                       | 46356  | ...  | ...  | 10649  | 15422                            | ...  | ...  | 29.7 | ...                            | 36.2 | ...  |      |
| 3529 Other chemical products                     |      | 14163                       | 18359  | ...  | ...  | 4404   | 6551                             | ...  | ...  | 31.1 | ...                            | 45.9 | ...  |      |
| 353 Petroleum refineries                         |      | 336295                      | 230095 | ...  | ...  | 5804   | 24331                            | ...  | ...  | 1.7  | ...                            | 36.0 | ...  |      |

|      |  |         |         |        |         |      |      |   |   |
|------|--|---------|---------|--------|---------|------|------|---|---|
| 354  | Misc petroleum and coal products           | -       | -       | -      | -       | -    | -    | - | - |
| 355  | Rubber products                            | 23151   | 28240   | 8504   | 11999   | 38.0 | 39.4 |   |   |
| 3551 | Tyres and tubes                            | 16186   | 20050   | 8087   | 8613    | 37.6 | 37.6 |   |   |
| 3559 | Other rubber products                      | 6966    | 8190    | 2716   | 3486    | 39.0 | 43.9 |   |   |
| 356  | Plastic products                           | 42779   | 62057   | 14026  | 21208   | 32.8 | 43.9 |   |   |
| 361  | Pottery, china, earthenware                | 23898   | 36106   | 11499  | 20275   | 48.1 | 49.6 |   |   |
| 362  | Glass and products                         | 22390   | 32792   | 8989   | 16207   | 40.1 | 58.9 |   |   |
| 369  | Other non-metallic mineral products        | 84396   | 113388  | 34020  | 54718   | 40.3 | 35.6 |   |   |
| 3691 | Structural clay products                   | 15137   | 23963   | 6716   | 12596   | 44.4 | 61.9 |   |   |
| 3692 | Cement, lime and plaster                   | 39109   | 46641   | 14676  | 24346   | 37.6 | 16.8 |   |   |
| 3699 | Other non-metallic mineral products        | 30151   | 42784   | 12629  | 17777   | 41.9 | 43.1 |   |   |
| 371  | Iron and steel                             | 71259   | 77532   | 16766  | 28578   | 23.6 | 61.3 |   |   |
| 372  | Non-ferrous metals                         | 16257   | 17956   | 4493   | 6167    | 27.6 | 36.8 |   |   |
| 381  | Fabricated metal products                  | 91641   | 119270  | 37333  | 46916   | 40.7 | 44.2 |   |   |
| 3811 | Cutlery, hand tools and general hardware   | 4782    | 6367    | 2447   | 2907    | 51.2 | 67.6 |   |   |
| 3812 | Furniture and fixtures primarily of metal  | 7236    | 10731   | 3255   | 4968    | 46.0 | 48.2 |   |   |
| 3813 | Structural metal products                  | 8286    | 14753   | 4250   | 7277    | 61.3 | 63.2 |   |   |
| 3819 | Other fabricated metal products            | 71337   | 87419   | 27381  | 31764   | 38.4 | 39.6 |   |   |
| 382  | Non-electrical machinery                   | 57941   | 68205   | 24364  | 27284   | 42.1 | 41.9 |   |   |
| 3821 | Engines and turbines                       | -       | -       | -      | -       | -    | -    |   |   |
| 3822 | Agricultural machinery and equipment       | 4870    | 7456    | 1612   | 2613    | 33.1 | 69.4 |   |   |
| 3823 | Metal and wood working machinery           | 3386    | 5539    | 1636   | 2651    | 45.4 | 68.7 |   |   |
| 3824 | Other special industrial machinery         | 10738   | 15671   | 6176   | 7067    | 48.2 | 61.9 |   |   |
| 3825 | Office, computing and accounting machinery | 11106   | 6278    | 6484   | 2471    | 68.4 | 12.6 |   |   |
| 3829 | Other non-electrical machinery & equipment | 27842   | 33262   | 9566   | 12492   | 34.3 | 60.6 |   |   |
| 383  | Electrical machinery                       | 121574  | 158960  | 42107  | 59937   | 34.6 | 42.3 |   |   |
| 3831 | Electrical industrial machinery            | 14838   | 21278   | 7566   | 10246   | 61.0 | 50.9 |   |   |
| 3832 | Radio, television and communication equipm | 65559   | 74409   | 21978  | 24931   | 33.6 | 36.3 |   |   |
| 3833 | Electrical appliances and housewares       | 9773    | 13531   | 2301   | 2778    | 23.6 | 43.8 |   |   |
| 3839 | Other electrical apparatus and supplies    | 31404   | 49742   | 10263  | 21982   | 32.7 | 48.6 |   |   |
| 384  | Transport equipment                        | 113000  | 172100  | 37820  | 47720   | 33.6 | 66.9 |   |   |
| 3841 | Shipbuilding and repairing                 | 30781   | 32089   | 18711  | 16123   | 60.6 | 63.6 |   |   |
| 3842 | Railroad equipment                         | -       | -       | -      | -       | -    | -    |   |   |
| 3843 | Motor vehicles                             | 76007   | 129185  | 16877  | 27968   | 22.2 | 47.8 |   |   |
| 3844 | Motorcycles and bicycles                   | 5226    | 8630    | 1770   | 3137    | 33.9 | 63.0 |   |   |
| 3845 | Aircraft                                   | -       | -       | -      | -       | -    | -    |   |   |
| 3849 | Other transport equipment                  | -       | -       | -      | -       | -    | -    |   |   |
| 385  | Professional and scientific equipment      | 5815    | 7864    | 2810   | 3501    | 48.3 | 44.8 |   |   |
| 3851 | Prof and scientific equipment n e c        | 3319    | 4470    | 1748   | 2046    | 62.7 | 41.9 |   |   |
| 3852 | Photographic and optical goods             | 2496    | 3394    | 1062   | 1466    | 42.6 | 49.7 |   |   |
| 3853 | Watches and clocks                         | -       | -       | -      | -       | -    | -    |   |   |
| 390  | Other manufacturing industries             | 4284    | 5462    | 1946   | 2416    | 45.4 | 43.3 |   |   |
| 3901 | Jewellery and related articles             | -       | -       | -      | -       | -    | -    |   |   |
| 3902 | Musical instruments                        | -       | -       | -      | -       | -    | -    |   |   |
| 3903 | Sporting and athletic goods                | 205     | 419     | 92     | 147     | 45.2 | 34.0 |   |   |
| 3909 | Manufacturing industries, n e c            | 4080    | 5043    | 1853   | 2268    | 46.4 | 43.7 |   |   |
| 3    | Total manufacturing                        | 2646881 | 3292810 | 709046 | 1052621 | 26.8 | 39.3 |   |   |

Portugal

| ISIC Industry                             | Note | Gross fixed capital formation |        |      |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |
|---|------|-------------------------------|--------|------|------|------|--|------|------|------|------|------|------|------|------|
|   |      | (million ESCUDOS)             |        |      |      |      | (1980=100)                             |      |      |      |      |      |      |      |      |
|   |      | 1985                          | 1987   | 1988 | 1989 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      | 10290                         | 16632  | ...  | ...  |      | 98                                     | 97   | 100  | 104  | 113  | 116  | 125  | 125  | 116  |
| 313 Beverages                             |      | 1916                          | 4938   | ...  | ...  |      | 97                                     | 98   | 102  | 120  | 131  | 152  | 162  | 166  | 169  |
| 314 Tobacco                               |      | 899                           | 2554   | ...  | ...  |      | 112                                    | 117  | 115  | 123  | 118  | 126  | 126  | 132  | 128  |
| 321 Textiles                              |      | 14303                         | 30234  | ...  | ...  | a/   | 106                                    | 118  | 127  | 124  | 125  | 124  | 129  | 139  | 135  |
| 322 Wearing apparel, except footwear      |      | 3600                          | 5085   | ...  | ...  | a/   | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 323 Leather and fur products              |      | 646                           | 1888   | ...  | ...  | a/   | 119                                    | 112  | 126  | 152  | 150  | 165  | 172  | 151  | 139  |
| 324 Footwear, except rubber or plastic    |      | 2262                          | 3794   | ...  | ...  | a/   | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 331 Wood products, except furniture       |      | 2924                          | 7926   | ...  | ...  |      | 100                                    | 106  | 101  | 108  | 118  | 109  | 105  | 114  | 119  |
| 332 Furniture and fixtures, excl metal    |      | 403                           | 1092   | ...  | ...  |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 341 Paper and products                    |      | 8898                          | 23665  | ...  | ...  |      | 124                                    | 143  | 151  | 152  | 159  | 164  | 165  | 183  | 176  |
| 342 Printing and publishing               |      | 2471                          | 5702   | ...  | ...  |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 351 Industrial chemicals                  |      | 5620                          | 6209   | ...  | ...  | b/   | 112                                    | 121  | 134  | 137  | 146  | 150  | 161  | 134  | 121  |
| 352 Other chemicals                       |      | 2720                          | 6056   | ...  | ...  | b/   | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 353 Petroleum refineries                  |      | 405                           | 1412   | ...  | ...  | c/   | 94                                     | 109  | 136  | 125  | 139  | 161  | 175  | 156  | 177  |
| 354 Misc. petroleum and coal products     |      | ...                           | ...    | ...  | ...  | c/   | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 355 Rubber products                       |      | 401                           | 1282   | ...  | ...  |      | 108                                    | 111  | 119  | 125  | 145  | 143  | 138  | 120  | 85   |
| 356 Plastic products                      |      | 1899                          | 5449   | ...  | ...  |      | 104                                    | 109  | 123  | 137  | 140  | 150  | ...  | ...  | ...  |
| 361 Pottery, china, earthenware           |      | 1814                          | 4092   | ...  | ...  | d/   | 115                                    | 118  | 127  | 144  | 157  | 163  | 175  | 173  | 178  |
| 362 Glass and products                    |      | 1333                          | 12064  | ...  | ...  | d/   | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 369 Other non-metallic mineral products   |      | 7726                          | 6984   | ...  | ...  | d/   | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 371 Iron and steel                        |      | 7312                          | 2576   | ...  | ...  | e/   | 107                                    | 104  | 105  | 113  | 121  | 119  | 120  | 107  | 116  |
| 372 Non-ferrous metals                    |      | 613                           | 776    | ...  | ...  | e/   | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 381 Fabricated metal products             |      | 4732                          | 6745   | ...  | ...  |      | 87                                     | 77   | 91   | 87   | 90   | 90   | 99   | 99   | 94   |
| 382 Non-electrical machinery              |      | 1857                          | 2028   | ...  | ...  |      | 95                                     | 90   | 92   | 97   | 103  | 104  | 113  | 101  | 91   |
| 383 Electrical machinery                  |      | 6374                          | 8750   | ...  | ...  |      | 108                                    | 116  | 93   | 99   | 107  | 109  | 123  | 127  | 131  |
| 384 Transport equipment                   |      | 3738                          | 4745   | ...  | ...  |      | 63                                     | 63   | 66   | 73   | 77   | 75   | 74   | 72   | 69   |
| 385 Professional and scientific equipment |      | 85                            | 1295   | ...  | ...  |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 390 Other manufacturing industries        |      | 200                           | 294    | ...  | ...  |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 3 Total manufacturing                     |      | 95451                         | 174258 | ...  | ...  |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |

a/ 321 includes 322 and 324.  
c/ 353 includes 354.  
e/ 371 includes 372.

b/ 351 includes 352.  
d/ 361 includes 362 and 369.



## PUERTO RICO

**Supplier of information:**

Puerto Rico Planning Board, Puerto Rico

**Basic source of data:**

Census of manufacturing industries.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):**

**Scope:**

All establishments with at least one paid employee and operating during a specified week of March.

**Method of enumeration:**

Individual site visits by enumerators.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

Number of employees refers to persons who worked or received pay for all or any part of the pay period which includes 12 March of the year indicated.

Value added refers to total value added, which is the same as the contribution to gross domestic product.

**Related national publications:**

Census of Manufacturing Industries of Puerto Rico (annual), published by the Puerto Rico Department of Labour and Resources, Puerto Rico.

Puerto Rico

| ISIC Industry                             | Number of establishments |           |       |       | Number of employees |      |           |         | Wages and salaries paid to employees |      |      |                   |      |      |      |
|---|--------------------------|-----------|-------|-------|---------------------|------|-----------|---------|--------------------------------------|------|------|-------------------|------|------|------|
|   | Note                     | (numbers) |       |       |                     | Note | (numbers) |         |                                      |      | Note | (million DOLLARS) |      |      |      |
|   |                          | 1985      | 1990  | 1991  | 1992                |      | 1985      | 1990    | 1991                                 | 1992 |      | 1985              | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |                          | 277a/     | 212   | 207   | ...                 |      | 23200a/   | 20230   | 20060                                | ...  |      | 268.4             | ...  | ...  |      |
| 313 Beverages                             |                          | a/        | 34    | 33    | ...                 |      | a/        | 3180    | 3190                                 | ...  |      | 66.4              | ...  | ...  |      |
| 314 Tobacco                               |                          | 10        | 6     | 5     | ...                 |      | 800       | 1090    | 920                                  | ...  |      | 16.1              | ...  | ...  |      |
| 321 Textiles                              |                          | 22        | 18    | 15    | ...                 |      | 2790      | 3680    | 3600                                 | ...  |      | 19.6              | ...  | ...  |      |
| 322 Wearing apparel, except footwear      |                          | 269       | 255   | 245   | ...                 |      | 30080     | 31240   | 29840                                | ...  |      | 249.8             | ...  | ...  |      |
| 323 Leather and fur products              |                          | 34b/      | 16    | 13    | ...                 |      | 4850b/    | 1980    | 1870                                 | ...  |      | 47.8b/            | ...  | ...  |      |
| 324 Footwear, except rubber or plastic    |                          | b/        | 14    | 12    | ...                 |      | b/        | 4300    | 4040                                 | ...  |      | b/                | ...  | ...  |      |
| 331 Wood products, except furniture       |                          | 208c/     | 93    | 99    | ...                 |      | 3130c/    | 1110    | 960                                  | ...  |      | 27.1c/            | ...  | ...  |      |
| 332 Furniture and fixtures, excl. metal   |                          | c/        | 126   | 113   | ...                 |      | c/        | 2320    | 1830                                 | ...  |      | c/                | ...  | ...  |      |
| 341 Paper and products                    |                          | 155d/     | 45    | 47    | ...                 |      | 4680d/    | 2260    | 2220                                 | ...  |      | 25.4              | ...  | ...  |      |
| 342 Printing and publishing               |                          | d/        | 118   | 182   | ...                 |      | d/        | 3520    | 3840                                 | ...  |      | 56.1              | ...  | ...  |      |
| 351 Industrial chemicals                  |                          | 174e/     | 165e/ | 164e/ | ...                 |      | 17160e/   | 22660e/ | 23130e/                              | ...  |      | 28.9              | ...  | ...  |      |
| 352 Other chemicals                       |                          | e/        | e/    | e/    | ...                 |      | e/        | e/      | e/                                   | ...  |      | 286.2             | ...  | ...  |      |
| 353 Petroleum refineries                  |                          | 93f/      | 27g/  | 28g/  | ...                 |      | 6730f/    | 1790g/  | 1740g/                               | ...  |      | 41.1g/            | ...  | ...  |      |
| 354 Misc. petroleum and coal products     |                          | f/        | g/    | g/    | ...                 |      | f/        | g/      | g/                                   | ...  |      | g/                | ...  | ...  |      |
| 355 Rubber products                       |                          | f/        | 18    | 13    | ...                 |      | f/        | 1410    | 1220                                 | ...  |      | 61.0h/            | ...  | ...  |      |
| 356 Plastic products                      |                          | f/        | 62    | 60    | ...                 |      | f/        | 3510    | 3340                                 | ...  |      | h/                | ...  | ...  |      |
| 361 Pottery, china, earthenware           |                          | 148i/     | 8     | 7     | ...                 |      | 3820i/    | 790     | 730                                  | ...  |      | 64.2i/            | ...  | ...  |      |
| 362 Glass and products                    |                          | i/        | 34    | 36    | ...                 |      | i/        | 1810    | 1610                                 | ...  |      | i/                | ...  | ...  |      |
| 369 Other non-metallic mineral products   |                          | i/        | 117   | 113   | ...                 |      | i/        | 2640    | 2570                                 | ...  |      | i/                | ...  | ...  |      |
| 371 Iron and steel                        |                          | 210j/     | 21k/  | 22k/  | ...                 |      | 4480j/    | 720k/   | 800k/                                | ...  |      | 8.0k/             | ...  | ...  |      |
| 372 Non-ferrous metals                    |                          | j/        | k/    | k/    | ...                 |      | j/        | k/      | k/                                   | ...  |      | k/                | ...  | ...  |      |
| 381 Fabricated metal products             |                          | j/        | 182   | 194   | ...                 |      | j/        | 4460    | 4280                                 | ...  |      | 44.6              | ...  | ...  |      |
| 382 Non-electrical machinery              |                          | 93m/      | 60    | 59    | ...                 |      | 7690m/    | 4220    | 3490                                 | ...  |      | 147.9             | ...  | ...  |      |
| 383 Electrical machinery                  |                          | 148       | 122   | 126   | ...                 |      | 22880     | 20670   | 19360                                | ...  |      | 318.8             | ...  | ...  |      |
| 384 Transport equipment                   |                          | m/        | 17    | 19    | ...                 |      | m/        | 1130    | 1070                                 | ...  |      | 10.8              | ...  | ...  |      |
| 385 Professional and scientific equipment |                          | 93        | 80    | 92    | ...                 |      | 13750     | 14800   | 16340                                | ...  |      | 164.7             | ...  | ...  |      |
| 390 Other manufacturing industries        |                          | 70        | 58    | 51    | ...                 |      | 2850      | 3210    | 2700                                 | ...  |      | 36.7              | ...  | ...  |      |
| 3 Total manufacturing                     |                          | 2004      | 1908  | 1955  | ...                 |      | 148780    | 168600  | 154650                               | ...  |      | 1956.3            | ...  | ...  |      |

a/ 311/2 includes 313  
c/ 331 includes 332  
e/ 351 includes 352  
g/ 353 includes 354  
i/ 361 includes 362 and 369  
k/ 371 includes 372

b/ 323 includes 324  
d/ 341 includes 342  
f/ 353 includes 354, 355 and 356  
h/ 355 includes 356  
j/ 371 includes 372 and 381  
m/ 382 includes 384

Puerto Rico

| ISIC Industry                             | Note | Output<br>(million DOLLARS) |      |      |      | Note | Value added<br>(million DOLLARS) |         |         |         | Share of<br>value added<br>in output<br>(percentage) |      | Share of<br>wages and<br>salaries in<br>value added<br>(percentage) |      |
|---|------|-----------------------------|------|------|------|------|----------------------------------|---------|---------|---------|--|------|---|------|
|   |      | 1985                        | 1990 | 1991 | 1992 |      | 1985                             | 1990    | 1991    | 1992    | 1985   | 1992 | 1985  | 1992 |
| 311/2 Food Products                       |      |                             |      |      |      |      | 484.9                            | 674.0   | 675.0   | 728.0   |  |      | 65.4  |      |
| 313 Beverages                             |      |                             |      |      |      |      | 714.2                            | 1117.0  | 1357.0  | 1228.0  |  |      | 7.9   |      |
| 314 Tobacco                               |      |                             |      |      |      |      | 143.3                            | 171.0   | 159.0   | 185.0   |  |      | 10.6  |      |
| 321 Textiles                              |      |                             |      |      |      |      | 34.2                             | 42.0    | 43.0    | 45.0    |  |      | 57.1  |      |
| 322 Wearing apparel, except footwear      |      |                             |      |      |      |      | 436.8                            | 486.0   | 491.0   | 520.0   |  |      | 57.2  |      |
| 323 Leather and fur products              |      |                             |      |      |      | a/   | 88.1                             | 114.0   | 116.0   | 126.0   |  |      | 53.9  |      |
| 324 Footwear, except rubber or plastic    |      |                             |      |      |      | a/   |                                  |         |         |         |  |      |   |      |
| 331 Wood products, except furniture       |      |                             |      |      |      | b/   | 44.2                             | 59.0    | 59.0    | 59.0    |  |      | 61.4  |      |
| 332 Furniture and fixtures, excl. metal   |      |                             |      |      |      | b/   |                                  |         |         |         |  |      |   |      |
| 341 Paper and products                    |      |                             |      |      |      |      | 55.6                             | 66.0    | 71.0    | 72.0    |  |      | 45.6  |      |
| 342 Printing and publishing               |      |                             |      |      |      |      | 85.1                             | 164.0   | 172.0   | 178.0   |  |      | 65.2  |      |
| 351 Industrial chemicals                  |      |                             |      |      |      |      | 58.4                             | 39.0    | 54.0    | 48.0    |  |      | 49.5  |      |
| 352 Other chemicals                       |      |                             |      |      |      |      | 2648.9                           | 5334.0  | 6097.0  | 6860.0  |  |      | 10.0  |      |
| 353 Petroleum refineries                  |      |                             |      |      |      |      | 143.5                            | 205.0c/ | 100.0c/ | 257.0c/ |  |      |   |      |
| 354 Misc. petroleum and coal products     |      |                             |      |      |      |      | 21.7                             | c/      | c/      | c/      |  |      |   |      |
| 355 Rubber products                       |      |                             |      |      |      | d/   | 113.2                            | 163.0   | 175.0   | 203.0   |  |      | 45.0  |      |
| 356 Plastic products                      |      |                             |      |      |      | d/   |                                  |         |         |         |  |      |   |      |
| 361 Pottery, china, earthenware           |      |                             |      |      |      | e/   | 115.0                            | 177.0   | 184.0   | 185.0   |  |      | 47.1  |      |
| 362 Glass and products                    |      |                             |      |      |      | e/   |                                  |         |         |         |  |      |   |      |
| 369 Other non-metallic mineral products   |      |                             |      |      |      | e/   |                                  |         |         |         |  |      |   |      |
| 371 Iron and steel                        |      |                             |      |      |      | f/   | 30.3                             | 56.0    | 43.0    | 41.0    |  |      | 26.3  |      |
| 372 Non-ferrous metals                    |      |                             |      |      |      | f/   |                                  |         |         |         |  |      |   |      |
| 381 Fabricated metal products             |      |                             |      |      |      |      | 92.7                             | 116.0   | 114.0   | 118.0   |  |      | 48.1  |      |
| 382 Non-electrical machinery              |      |                             |      |      |      |      | 502.4                            | 668.0   | 553.0   | 468.0   |  |      | 29.4  |      |
| 383 Electrical machinery                  |      |                             |      |      |      |      | 1245.1                           | 1409.0  | 1186.0  | 1236.0  |  |      | 27.4  |      |
| 384 Transport equipment                   |      |                             |      |      |      |      | 28.8                             | 65.0    | 65.0    | 59.0    |  |      | 7.6   |      |
| 385 Professional and scientific equipment |      |                             |      |      |      |      | 581.8                            | 889.0   | 842.0   | 892.0   |  |      | 28.3  |      |
| 390 Other manufacturing industries        |      |                             |      |      |      |      | 97.6                             | 113.0   | 105.0   | 85.0    |  |      | 37.6  |      |
| 3 Total manufacturing                     |      |                             |      |      |      |      |                                  | 12129.0 | 12651.0 | 13391.0 |  |      |   |      |

a/ 323 includes 324  
c/ 353 includes 354  
e/ 361 includes 362 and 369

b/ 331 includes 332  
d/ 355 includes 356  
f/ 371 includes 372



## QATAR

**Supplier of information:**

Central Statistical Organization (CSO), Qatar.

**Basic source of data:**

Annual industrial survey.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

Not reported.

**Method of enumeration:**

Establishments with 20 or more employees are completely enumerated.  
Sampling is used for the smaller establishments.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

No deviations from the standard UN concepts and definitions are reported.

**Related national publications:**

Industrial Survey, 1987, published by the Central Statistical Organization, Qatar.

## Qatar

| ISIC Industry                             | Note | Number of establishments<br>(numbers) |        |        |        | Note | Number of employees<br>(numbers) |        |        |      | Note | Wages and salaries paid<br>to employees<br>(thousand RYALS) |         |         |      |
|---|------|---------------------------------------|--------|--------|--------|------|----------------------------------|--------|--------|------|------|---|---------|---------|------|
|   |      | 1985                                  | 1990   | 1991   | 1992   |      | 1985                             | 1990   | 1991   | 1992 |      | 1985  | 1990    | 1991    | 1992 |
| 311/2 Food Products                       |      |                                       | 174    | 177    | 248    |      | 1644                             | 1688   | 2006   |      |      | 33796   | 34343   | 38942   |      |
| 313 Beverages                             |      |                                       | 5      | 6      | 5      |      | 338                              | 419    | 370    |      |      | 7055  | 8998    | 7136    |      |
| 314 Tobacco                               |      |                                       |        |        |        |      |                                  |        |        |      |      |   |         |         |      |
| 321 Textiles                              |      |                                       | 12     | 11     | 34     |      | 40                               | 39     | 191    |      |      | 185   | 272     | 1018    |      |
| 322 Wearing apparel, except footwear      |      |                                       | 1037a/ | 1056a/ | 1299a/ |      | 4155a/                           | 4967a/ | 7777a/ |      |      | 42515a/   | 47360a/ | 60652a/ |      |
| 323 Leather and fur products              |      |                                       | 3      | 3      |        |      | 89                               | 51     |        |      |      | 1303  | 1030    |         |      |
| 324 Footwear, except rubber or plastic    |      |                                       | a/     | a/     | a/     |      | a/                               | a/     | a/     |      |      | a/  | a/      | a/      |      |
| 331 Wood products, except furniture       |      |                                       | 174    | 167    | 88     |      | 1800                             | 1429   | 699    |      |      | 24278   | 23614   | 10818   |      |
| 332 Furniture and fixtures, excl metal    |      |                                       | 68     | 66     | 365    |      | 246                              | 433    | 2108   |      |      | 2052  | 4074    | 32326   |      |
| 341 Paper and products                    |      |                                       | 3      | 4      | 3      |      | 66                               | 78     | 58     |      |      | 922   | 563     | 736     |      |
| 342 Printing and publishing               |      |                                       | 17     | 17     | 23     |      | 1010                             | 1062   | 1675   |      |      | 31019   | 31818   | 47836   |      |
| 351 Industrial chemicals                  |      |                                       | 6      | 6      | 13     |      | 1482                             | 1492   | 1673   |      |      | 203278  | 123980  | 168108  |      |
| 352 Other chemicals                       |      |                                       | 3      | 3      | 5      |      | 170                              | 219    | 267    |      |      | 4705  | 5305    | 5982    |      |
| 353 Petroleum refineries                  |      |                                       | 1      | 1      | 1      |      | 619                              | 599    | 571    |      |      | 61082   | 76580   | 74844   |      |
| 354 Misc petroleum and coal products      |      |                                       | 4      | 4      | 4      |      | 88                               | 151    | 282    |      |      | 1488  | 2588    | 3234    |      |
| 355 Rubber products                       |      |                                       | 1      | 1      |        |      | 30                               | 34     |        |      |      | 439   | 666     |         |      |
| 356 Plastic products                      |      |                                       | 15     | 19     | 19     |      | 307                              | 397    | 452    |      |      | 5219  | 6575    | 8223    |      |
| 361 Pottery, china, earthenware           |      |                                       | b/     | b/     | b/     |      | 2263c/                           | 2120c/ | 3122c/ |      |      | 35194c/   | 36667c/ | 51906c/ |      |
| 362 Glass and products                    |      |                                       | 1      | 1      | 17     |      | c/                               | c/     | c/     |      |      | c/  | c/      | c/      |      |
| 369 Other non-metallic mineral products   |      |                                       | 127b/  | 127b/  | 119b/  |      | c/                               | c/     | c/     |      |      | c/  | c/      | c/      |      |
| 371 Iron and steel                        |      |                                       | 1      | 2      | 3      |      | 1074                             | 1097   | 1162   |      |      | 71956   | 77980   | 82783   |      |
| 372 Non-ferrous metals                    |      |                                       |        |        |        |      |                                  |        |        |      |      |   |         |         |      |
| 381 Fabricated metal products             |      |                                       | 192d/  | 190d/  | 265d/  |      | 1643d/                           | 1871d/ | 2240d/ |      |      | 25401d/   | 47573d/ | 35951d/ |      |
| 382 Non-electrical machinery              |      |                                       | d/     | c/     | d/     |      | d/                               | d/     | d/     |      |      | d/  | d/      | d/      |      |
| 383 Electrical machinery                  |      |                                       | d/     | d/     | d/     |      | d/                               | d/     | d/     |      |      | d/  | d/      | d/      |      |
| 384 Transport equipment                   |      |                                       | d/     | d/     | d/     |      | d/                               | d/     | d/     |      |      | d/  | d/      | d/      |      |
| 385 Professional and scientific equipment |      |                                       | d/     | d/     | d/     |      | d/                               | d/     | d/     |      |      | d/  | d/      | d/      |      |
| 390 Other manufacturing industries        |      |                                       | 13     | 14     | 28     |      | 99                               | 109    | 178    |      |      | 2220  | 2199    | 1955    |      |
| 3 Total manufacturing                     |      |                                       | 1855   | 1875   | 2552   |      | 17163                            | 18253  | 24741  |      |      | 556086  | 632026  | 650148  |      |

a/ 322 includes 324  
c/ 361 includes 362 and 369

b/ 369 includes 361.  
d/ 381 includes 382, 383, 384 and 385

## Qatar

| ISIC Industry                             | Note | Output in producers' prices |       |       |       | Note | Value added in producers' prices |       |       |       | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-----------------------------|-------|-------|-------|------|----------------------------------|-------|-------|-------|--------------------------------|------|--|------|
|   |      | (million RIYALS)            |       |       |       |      | (million RIYALS)                 |       |       |       | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                        | 1990  | 1991  | 1992  |      | 1985                             | 1990  | 1991  | 1992  | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       |      |                             | 206   | 199   | 216   |      |                                  | 67    | 64    | 61    |                                | 28.2 |  | 63.8 |
| 313 Beverages                             |      |                             | 59    | 59    | 56    |      |                                  | 14    | 13    | 11    |                                | 19.6 |  | 64.9 |
| 314 Tobacco                               |      |                             |       |       |       |      |                                  |       |       |       |                                |      |  |      |
| 321 Textiles                              |      |                             | 1     | 1     | 5     |      |                                  | 1     | -     |       |                                |      |  |      |
| 322 wearing apparel, except footwear      |      |                             | 153a/ | 141a/ | 232a/ |      |                                  | 105a/ | 77a/  | 120a/ |                                | 51.7 |  | 67.2 |
| 323 Leather and fur products              |      |                             | 12    | 8     |       |      |                                  | 6     | 2     |       |                                |      |  |      |
| 324 Footwear, except rubber or plastic    |      |                             | a/    | a/    | a/    |      |                                  | a/    | a/    | a/    |                                |      |  |      |
| 331 wood products, except furniture       |      |                             | 110   | 87    | 36    |      |                                  | 61    | 41    | 14    |                                | 38.9 |  | 77.3 |
| 332 Furniture and fixtures, excl. metal   |      |                             | 6     | 15    | 138   |      |                                  | 4     | 7     | 70    |                                | 50.7 |  | 46.2 |
| 341 Paper and products                    |      |                             | 2     | 2     | 4     |      |                                  | 1     | 1     | 1     |                                | 25.0 |  | 73.6 |
| 342 Printing and publishing               |      |                             | 119   | 87    | 195   |      |                                  | 75    | 47    | 136   |                                | 69.7 |  | 35.2 |
| 351 Industrial chemicals                  |      |                             | 1250  | 1544  | 1414  |      |                                  | 962   | 1192  | 798   |                                | 66.4 |  | 20.8 |
| 352 Other chemicals                       |      |                             | 35    | 56    | 59    |      |                                  | 1     | 3     | 4     |                                | 6.8  |  |      |
| 353 Petroleum refineries                  |      |                             | 1675  | 1567  | 1641  |      |                                  | 1589  | 1343  | 1392  |                                | 84.8 |  | 5.4  |
| 354 Misc. petroleum and coal products     |      |                             | 18    | 32    | 23    |      |                                  | 8     | 7     | 7     |                                | 30.4 |  | 46.2 |
| 355 Rubber products                       |      |                             | 5     | 5     |       |      |                                  | 1     | 3     |       |                                |      |  |      |
| 356 Plastic products                      |      |                             | 35    | 47    | 49    |      |                                  | 12    | 18    | 26    |                                | 53.1 |  | 31.6 |
| 361 Pottery, china, earthenware           |      |                             | 215b/ | 220b/ | 360b/ |      |                                  | 85b/  | 101b/ | 147b/ |                                | 40.8 |  | 36.3 |
| 362 Glass and products                    |      |                             | b/    | b/    | b/    |      |                                  | b/    | b/    | b/    |                                |      |  |      |
| 369 Other non-metallic mineral products   |      |                             | b/    | b/    | b/    |      |                                  | b/    | b/    | b/    |                                |      |  |      |
| 371 Iron and steel                        |      |                             | 713   | 631   | 692   |      |                                  | 387   | 322   | 355   |                                | 51.3 |  | 23.3 |
| 372 Non-ferrous metals                    |      |                             |       |       |       |      |                                  |       |       |       |                                |      |  |      |
| 381 Fabricated metal products             |      |                             | 98c/  | 145c/ | 142c/ |      |                                  | 50c/  | 87c/  | 73c/  |                                | 51.4 |  | 49.2 |
| 382 Non-electrical machinery              |      |                             | c/    | c/    | c/    |      |                                  | c/    | c/    | c/    |                                |      |  |      |
| 383 Electrical machinery                  |      |                             | c/    | c/    | c/    |      |                                  | c/    | c/    | c/    |                                |      |  |      |
| 384 Transport equipment                   |      |                             | c/    | c/    | c/    |      |                                  | c/    | c/    | c/    |                                |      |  |      |
| 385 Professional and scientific equipment |      |                             | c/    | c/    | c/    |      |                                  | c/    | c/    | c/    |                                |      |  |      |
| 390 Other manufacturing industries        |      |                             | 6     | 5     | 6     |      |                                  | 4     | 3     | 3     |                                | 50.0 |  | 65.2 |
| 3 Total manufacturing                     |      |                             | 4718  | 4851  | 5268  |      |                                  | 3432  | 3331  | 3218  |                                | 61.1 |  | 20.2 |

a/ 322 includes 324  
c/ 381 includes 382, 383, 384 and 385

b/ 361 includes 362 and 369.

## Qatar

| ISIC Industry                             | Gross fixed capital formation |                   |      |      |      | Index numbers of industrial production |            |      |      |      |      |      |      |      |      |
|---|-------------------------------|-------------------|------|------|------|--|------------|------|------|------|------|------|------|------|------|
|   | Note                          | (thousand RIYALS) |      |      |      | Note                                   | (1980=100) |      |      |      |      |      |      |      |      |
|   |                               | 1985              | 1990 | 1991 | 1992 |  | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 313 Beverages                             |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 314 Tobacco                               |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 321 Textiles                              |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 322 Wearing apparel, except footwear      |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 323 Leather and fur products              |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 324 Footwear, except rubber or plastic    |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 331 Wood products, except furniture       |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 332 Furniture and fixtures, excl. metal   |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 341 Paper and products                    |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 342 Printing and publishing               |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 351 Industrial chemicals                  |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 352 Other chemicals                       |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 353 Petroleum refineries                  |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 354 Misc petroleum and coal products      |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 355 Rubber products                       |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 356 Plastic products                      |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 361 Pottery, china, earthenware           |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 362 Glass and products                    |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 369 Other non-metallic mineral products   |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 371 Iron and steel                        |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 372 Non-ferrous metals                    |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 381 Fabricated metal products             |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 382 Non-electrical machinery              |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 383 Electrical machinery                  |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 384 Transport equipment                   |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 385 Professional and scientific equipment |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 390 Other manufacturing industries        |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 3 Total manufacturing                     |                               | ...               | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |



## REPUBLIC OF KOREA

**Supplier of information:**

National Bureau of Statistics, Economic Planning Board, Seoul.  
The indices of industrial production are compiled by the Bank of Korea, Seoul.

**Basic source of data:**

Annual survey and the Census of Mining and Manufacturing.

**Major deviations from current version of ISIC:**

Data collected under the national classification system have been reclassified by the national authorities to correspond approximately with the current version of the ISIC.

**Reference period (if not calendar year):****Scope:**

Establishments with 5 or more persons engaged with the following exceptions: (a) establishments under construction as of 31 December of the reference year; (b) establishments operated directly by the Government Armed Forces and allied forces; (c) workshops operated by public occupation guidance centres; (d) experimental stations or laboratories attached to public organizations and schools. With respect to production indices: all establishments with 5 or more persons engaged.

**Method of enumeration:**

During census years all establishments with 5 persons or more engaged are completely enumerated.

**Adjusted for non-response:**

No.

**Concepts and definitions of variables:**

Number of employees is the average over the year. Homeworkers are included.

Wages and salaries includes payments to homeworkers.

Output does not include goods bought and resold without further processing.

Gross fixed capital formation relates to the cost of new and used fixed assets acquired.

**Related national publications:**

Report on Industrial Survey (Census), Vol I and II (annual); Korea Statistical Yearbook, both published by the National Bureau of Statistics, Economic Planning Board, Seoul. Economic Statistics Yearbook; Monthly Economic Statistics, both published by the Bank of Korea, Seoul.

## Republic of Korea

| ISIC Industry                                    | Number of establishments |           |      |      | Number of employees |      |             |       | Wages and salaries paid to employees |       |      |               |        |        |        |
|--|--------------------------|-----------|------|------|---------------------|------|-------------|-------|--------------------------------------|-------|------|---------------|--------|--------|--------|
|  | Note                     | (numbers) |      |      |                     | Note | (thousands) |       |                                      |       | Note | (billion WON) |        |        |        |
|  |                          | 1985      | 1989 | 1990 | 1991                |      | 1985        | 1989  | 1990                                 | 1991  |      | 1985          | 1989   | 1990   | 1991   |
| 311/2 Food Products                              |                          | 3650      | 3981 | 4064 | 4242                |      | 153.9       | 174.7 | 177.7                                | 178.5 |      | 410.8         | 843.7  | 979.8  | 1168.6 |
| 3111 Slaughtering, preparing & preserving meat   |                          | 159       | 227  | 257  | ...                 |      | 8.2         | 12.7  | 14.7                                 | ...   |      | 24.2          | 64.2   | 81.4   | ...    |
| 3112 Dairy products                              |                          | 62        | 64   | 63   | ...                 |      | 9.4         | 12.0  | 10.2                                 | ...   |      | 37.8          | 80.7   | 85.1   | ...    |
| 3113 Canning, preserving of fruits & vegetables  |                          | 164       | 208  | 216  | ...                 |      | 7.5         | 8.5   | 8.6                                  | ...   |      | 14.7          | 30.8   | 37.0   | ...    |
| 3114 Canning, preserving and processing of fish  |                          | 1239      | 1417 | 1434 | ...                 |      | 43.5        | 50.2  | 51.0                                 | ...   |      | 64.9          | 148.6  | 181.7  | ...    |
| 3115 Vegetable and animal oils and fats          |                          | 67        | 68   | 73   | ...                 |      | 4.7         | 3.7   | 4.8                                  | ...   |      | 17.9          | 26.3   | 34.6   | ...    |
| 3116 Grain mill products                         |                          | 570       | 535  | 522  | ...                 |      | 10.3        | 10.3  | 9.7                                  | ...   |      | 27.6          | 46.7   | 67.0   | ...    |
| 3117 Bakery products                             |                          | 425       | 426  | 418  | ...                 |      | 27.0        | 36.0  | 31.3                                 | ...   |      | 78.5          | 179.6  | 187.7  | ...    |
| 3118 Sugar factories and refineries              |                          | 3         | 3    | 6    | ...                 |      | 0.9         | 1.0   | 1.3                                  | ...   |      | 5.5           | 12.7   | 16.1   | ...    |
| 3119 Cocoa, chocolate and sugar confectionery    |                          | 135       | 129  | 132  | ...                 |      | 14.0        | 9.0   | 13.7                                 | ...   |      | 38.6          | 49.7   | 74.0   | ...    |
| 3121 Other food products                         |                          | 673       | 732  | 765  | ...                 |      | 20.0        | 21.6  | 23.0                                 | ...   |      | 65.3          | 130.2  | 161.7  | ...    |
| 3122 Prepared animal feeds                       |                          | 153       | 172  | 178  | ...                 |      | 8.5         | 10.7  | 9.3                                  | ...   |      | 35.9          | 77.3   | 73.0   | ...    |
| 313 Beverages                                    |                          | 987       | 683  | 590  | 526                 |      | 26.1        | 26.2  | 24.0                                 | 18.6  |      | 105.2         | 174.0  | 185.0  | 176.0  |
| 3131 Distilling, rectifying and blending spirits |                          | 34        | 34   | 34   | ...                 |      | 6.0         | 5.6   | 4.8                                  | ...   |      | 23.9          | 38.0   | 38.9   | ...    |
| 3132 Wine industries                             |                          | 908       | 589  | 489  | ...                 |      | 7.6         | 5.6   | 5.0                                  | ...   |      | 20.8          | 26.8   | 27.6   | ...    |
| 3133 Malt liquors and malt                       |                          | 4         | 7    | 7    | ...                 |      | 2.2         | 1.7   | 2.2                                  | ...   |      | 11.8          | 17.6   | 21.8   | ...    |
| 3134 Soft drinks and carbonated waters           |                          | 41        | 53   | 60   | ...                 |      | 10.4        | 13.3  | 11.9                                 | ...   |      | 48.7          | 91.9   | 96.3   | ...    |
| 314 Tobacco                                      |                          | 22        | 21   | 20   | 20                  |      | 11.4        | 7.5   | 7.2                                  | 6.9   |      | 49.2          | 71.7   | 75.4   | 90.4   |
| 321 Textiles                                     |                          | 6118      | 7858 | 7701 | 8177                |      | 368.5       | 384.4 | 349.0                                | 338.1 |      | 920.5         | 1790.5 | 1932.8 | 2224.1 |
| 3211 Spinning, weaving and finishing textiles    |                          | 3495      | 4447 | 4472 | ...                 |      | 276.0       | 292.4 | 266.2                                | ...   |      | 701.1         | 1389.6 | 1496.6 | ...    |
| 3212 Made-up textile goods excl. wearing apparel |                          | 555       | 951  | 982  | ...                 |      | 21.2        | 26.2  | 23.8                                 | ...   |      | 48.6          | 106.6  | 119.0  | ...    |
| 3213 Knitting mills                              |                          | 1636      | 1850 | 1596 | ...                 |      | 55.2        | 45.9  | 38.7                                 | ...   |      | 131.1         | 188.5  | 199.4  | ...    |
| 3214 Carpets and rugs                            |                          | 56        | 78   | 70   | ...                 |      | 1.7         | 1.8   | 1.4                                  | ...   |      | 3.6           | 6.7    | 7.6    | ...    |
| 3215 Cordage, rope and twine                     |                          | 135       | 182  | 190  | ...                 |      | 8.1         | 7.5   | 7.3                                  | ...   |      | 18.8          | 35.2   | 42.0   | ...    |
| 3219 Other textiles                              |                          | 241       | 350  | 391  | ...                 |      | 6.2         | 10.4  | 11.5                                 | ...   |      | 17.3          | 53.8   | 68.3   | ...    |
| 322 Wearing apparel, except footwear             |                          | 3964      | 6497 | 6561 | 6619                |      | 242.6       | 262.5 | 231.5                                | 203.3 |      | 524.9         | 1017.0 | 1059.4 | 1129.7 |
| 323 Leather and fur products                     |                          | 791       | 1290 | 1257 | 1223                |      | 30.8        | 44.9  | 40.5                                 | 36.8  |      | 81.0          | 219.6  | 244.0  | 269.2  |
| 3231 Tanneries and leather finishing             |                          | 216       | 446  | 466  | ...                 |      | 12.4        | 22.7  | 21.7                                 | ...   |      | 37.9          | 122.8  | 143.2  | ...    |
| 3232 Fur dressing and dyeing industries          |                          | 35        | 50   | 49   | ...                 |      | 1.2         | 2.2   | 2.1                                  | ...   |      | 3.1           | 10.3   | 12.7   | ...    |
| 3233 Leather prods. excl. wearing apparel        |                          | 540       | 794  | 742  | ...                 |      | 17.2        | 20.0  | 16.7                                 | ...   |      | 40.0          | 86.5   | 88.1   | ...    |
| 324 Footwear, except rubber or plastic           |                          | 460       | 704  | 742  | 1649                |      | 30.3        | 32.3  | 28.6                                 | 140.7 |      | 70.5          | 143.1  | 142.8  | 864.0  |
| 331 Wood products, except furniture              |                          | 1663      | 1994 | 2010 | 2154                |      | 37.1        | 40.1  | 40.6                                 | 39.9  |      | 102.0         | 197.5  | 244.3  | 308.0  |
| 3311 Sawmills, planing and other wood mills      |                          | 1297      | 1471 | 1492 | ...                 |      | 30.4        | 31.6  | 33.0                                 | ...   |      | 87.3          | 162.9  | 205.9  | ...    |
| 3312 Wooden and cane containers                  |                          | 125       | 171  | 179  | ...                 |      | 2.5         | 3.3   | 3.0                                  | ...   |      | 6.5           | 16.3   | 17.2   | ...    |
| 3319 Other wood and cork products                |                          | 241       | 362  | 339  | ...                 |      | 4.2         | 5.2   | 4.6                                  | ...   |      | 8.2           | 19.3   | 21.3   | ...    |
| 332 Furniture and fixtures, excl. metal          |                          | 1050      | 1727 | 1881 | 2123                |      | 27.4        | 43.0  | 42.2                                 | 48.2  |      | 75.3          | 212.8  | 247.1  | 366.3  |
| 341 Paper and products                           |                          | 1327      | 1876 | 1901 | 2006                |      | 50.1        | 63.0  | 59.8                                 | 59.7  |      | 162.2         | 361.3  | 410.5  | 494.5  |
| 3411 Pulp, paper and paperboard articles         |                          | 308       | 337  | 308  | ...                 |      | 20.5        | 24.2  | 22.0                                 | ...   |      | 71.8          | 162.7  | 178.5  | ...    |
| 3412 Containers of paper and paperboard          |                          | 731       | 1139 | 1215 | ...                 |      | 20.5        | 25.2  | 25.7                                 | ...   |      | 68.2          | 123.3  | 149.1  | ...    |
| 3419 Other pulp, paper and paperboard articles   |                          | 288       | 400  | 378  | ...                 |      | 9.5         | 13.6  | 12.1                                 | ...   |      | 32.2          | 75.3   | 82.8   | ...    |
| 342 Printing and publishing                      |                          | 2012      | 2864 | 3032 | 3315                |      | 54.4        | 71.5  | 71.3                                 | 73.3  |      | 213.5         | 507.6  | 558.5  | 643.3  |
| 351 Industrial chemicals                         |                          | 659       | 947  | 777  | 1386                |      | 37.2        | 50.8  | 52.3                                 | 73.3  |      | 168.5         | 437.9  | 493.1  | 787.4  |
| 3511 Basic chemicals excl. fertilizers           |                          | 552       | 800  | 617  | ...                 |      | 24.1        | 36.6  | 36.3                                 | ...   |      | 109.4         | 310.1  | 363.3  | ...    |
| 3512 Fertilizers and pesticides                  |                          | 77        | 101  | 107  | ...                 |      | 7.0         | 6.6   | 6.1                                  | ...   |      | 34.0          | 52.7   | 33.9   | ...    |
| 3513 Synthetic resins and plastic materials      |                          | 30        | 46   | 53   | ...                 |      | 6.0         | 7.6   | 9.9                                  | ...   |      | 25.1          | 75.2   | 96.9   | ...    |
| 352 Other chemicals                              |                          | 752       | 998  | 1062 | 841                 |      | 58.1        | 76.3  | 76.0                                 | 69.0  |      | 236.9         | 503.0  | 591.3  | 610.0  |
| 3521 Paints, varnishes and lacquers              |                          | 95        | 113  | 123  | ...                 |      | 6.2         | 8.1   | 9.2                                  | ...   |      | 28.5          | 60.2   | 68.1   | ...    |
| 3522 Drugs and medicines                         |                          | 276       | 302  | 314  | ...                 |      | 28.6        | 29.8  | 31.6                                 | ...   |      | 121.0         | 185.3  | 253.4  | ...    |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |                          | 102       | 170  | 178  | ...                 |      | 11.3        | 14.1  | 14.0                                 | ...   |      | 38.9          | 89.3   | 98.9   | ...    |
| 3529 Other chemical products                     |                          | 279       | 413  | 447  | ...                 |      | 12.0        | 24.4  | 21.2                                 | ...   |      | 48.5          | 168.2  | 171.0  | ...    |
| 353 Petroleum refineries                         |                          | 17        | 12   | 10   | 17                  |      | 4.8         | 6.0   | 7.1                                  | 7.8   |      | 32.0          | 79.6   | 105.3  | 106.1  |

|   |       |       |       |       |        |        |        |        |        |         |         |         |
|---|-------|-------|-------|-------|--------|--------|--------|--------|--------|---------|---------|---------|
| 354 Misc petroleum and coal products            | 303   | 352   | 351   | 359   | 12.8   | 11.9   | 11.0   | 10.3   | 49.4   | 77.5    | 83.4    | 86.5    |
| 355 Rubber products                             | 820   | 1584  | 1684  | 809   | 144.0  | 181.6  | 182.0  | 34.6   | 332.1  | 799.7   | 947.2   | 274.1   |
| 3551 Tyres and tubes                            | 55    | 73    | 67    | ...   | 10.1   | 15.5   | 14.9   | ...    | 38.5   | 93.8    | 122.9   | ...     |
| 3559 Other rubber products                      | 765   | 1511  | 1617  | ...   | 133.9  | 166.1  | 167.1  | ...    | 293.6  | 705.9   | 824.3   | ...     |
| 356 Plastic products                            | 1985  | 3466  | 3940  | 3588  | 60.1   | 95.6   | 99.9   | 93.7   | 179.1  | 489.7   | 598.1   | 591.1   |
| 361 Pottery, china, earthenware                 | 302   | 483   | 555   | 637   | 16.6   | 17.4   | 16.0   | 15.7   | 38.8   | 74.8    | 81.9    | 94.1    |
| 362 Glass and products                          | 221   | 335   | 356   | 402   | 10.1   | 24.5   | 25.5   | 25.3   | 71.5   | 168.3   | 219.0   | 251.5   |
| 369 Other non-metallic mineral products         | 2422  | 2626  | 2747  | 3034  | 71.4   | 79.4   | 83.1   | 88.8   | 244.1  | 499.3   | 590.9   | 771.6   |
| 3691 Structural clay products                   | 304   | 336   | 361   | ...   | 15.6   | 18.9   | 19.8   | ...    | 40.4   | 99.2    | 121.6   | ...     |
| 3692 Cement, lime and plaster                   | 64    | 77    | 76    | ...   | 11.0   | 10.2   | 9.9    | ...    | 57.5   | 112.1   | 104.7   | ...     |
| 3699 Other non-metallic mineral products        | 2054  | 2213  | 2310  | ...   | 44.8   | 50.3   | 53.4   | ...    | 146.4  | 288.0   | 364.6   | ...     |
| 371 Iron and steel                              | 608   | 797   | 950   | 1111  | 72.9   | 85.9   | 88.3   | 93.0   | 315.6  | 728.3   | 841.1   | 1071.5  |
| 372 Non-ferrous metals                          | 464   | 671   | 728   | 747   | 25.1   | 31.0   | 32.5   | 31.6   | 93.1   | 203.5   | 242.7   | 278.8   |
| 381 Fabricated metal products                   | 3417  | 5463  | 5873  | 9342  | 125.0  | 173.6  | 175.3  | 293.2  | 392.8  | 986.7   | 1171.7  | 2412.2  |
| 3811 Cutlery, hand tools and general hardware   | 542   | 723   | 763   | ...   | 19.9   | 24.1   | 23.6   | ...    | 50.3   | 115.1   | 127.3   | ...     |
| 3812 Furniture and fixtures primarily of metal  | 302   | 532   | 580   | ...   | 7.9    | 12.2   | 11.7   | ...    | 20.3   | 57.0    | 64.6    | ...     |
| 3813 Structural metal products                  | 725   | 1116  | 1320  | ...   | 31.2   | 41.1   | 45.1   | ...    | 118.2  | 273.5   | 348.4   | ...     |
| 3819 Other fabricated metal products            | 1848  | 3092  | 3210  | ...   | 66.0   | 96.2   | 96.0   | ...    | 204.0  | 541.1   | 631.4   | ...     |
| 382 Non-electrical machinery                    | 3090  | 5912  | 6808  | 8150  | 121.6  | 202.5  | 209.2  | 250.2  | 434.6  | 1261.1  | 1523.2  | 2154.1  |
| 3821 Engines and turbines                       | 10    | 15    | 15    | ...   | 0.2    | 0.3    | 0.3    | ...    | 0.4    | 1.8     | 2.0     | ...     |
| 3822 Agricultural machinery and equipment       | 254   | 320   | 341   | ...   | 13.0   | 10.1   | 12.5   | ...    | 27.7   | 54.0    | 88.8    | ...     |
| 3823 Metal and wood working machinery           | 981   | 2130  | 2365  | ...   | 53.5   | 50.9   | 52.4   | ...    | 80.6   | 311.5   | 350.6   | ...     |
| 3824 Other special industrial machinery         | 882   | 1389  | 1596  | ...   | 25.0   | 34.7   | 43.5   | ...    | 94.5   | 207.1   | 334.8   | ...     |
| 3825 Office, computing and accounting machinery | 116   | 302   | 335   | ...   | 15.5   | 22.6   | 18.6   | ...    | 51.3   | 105.8   | 110.0   | ...     |
| 3829 Other non-electrical machinery & equipment | 847   | 1756  | 2155  | ...   | 47.4   | 83.9   | 81.9   | ...    | 180.1  | 581.0   | 627.1   | ...     |
| 383 Electrical machinery                        | 2930  | 6120  | 6565  | 5817  | 289.7  | 463.4  | 448.9  | 384.6  | 883.0  | 2595.2  | 2903.1  | 3079.2  |
| 3831 Electrical industrial machinery            | 314   | 985   | 1017  | ...   | 28.5   | 41.8   | 39.7   | ...    | 98.2   | 246.8   | 281.1   | ...     |
| 3832 Radio, television and communication equipm | 1567  | 3491  | 3787  | ...   | 207.3  | 331.8  | 325.1  | ...    | 619.3  | 1864.4  | 2077.2  | ...     |
| 3833 Electrical appliances and housewares       | 291   | 651   | 681   | ...   | 19.2   | 41.8   | 35.9   | ...    | 58.0   | 230.6   | 232.0   | ...     |
| 3839 Other electrical apparatus and supplies    | 558   | 993   | 1081  | ...   | 34.7   | 48.0   | 48.2   | ...    | 107.5  | 253.5   | 312.8   | ...     |
| 384 Transport equipment                         | 1472  | 2511  | 2819  | 718   | 173.9  | 226.3  | 242.1  | 179.9  | 735.9  | 1690.5  | 2333.3  | 1736.9  |
| 3841 Shipbuilding and repairing                 | 474   | 436   | 475   | ...   | 84.4   | 56.8   | 53.3   | ...    | 382.2  | 463.7   | 528.1   | ...     |
| 3842 Railroad equipment                         | 32    | 53    | 52    | ...   | 4.5    | 3.8    | 3.8    | ...    | 23.5   | 28.5    | 37.9    | ...     |
| 3843 Motor vehicles                             | 832   | 1835  | 2064  | ...   | 78.5   | 156.7  | 174.7  | ...    | 300.0  | 1143.6  | 1572.6  | ...     |
| 3844 Motorcycles and bicycles                   | 113   | 151   | 164   | ...   | 5.6    | 7.1    | 6.6    | ...    | 16.4   | 38.3    | 45.9    | ...     |
| 3845 Aircraft                                   | -     | -     | 6     | ...   | -      | -      | 0.3    | ...    | -      | -       | 2.0     | ...     |
| 3849 Other transport equipment                  | 21    | 36    | 58    | ...   | 0.8    | 2.0    | 4.2    | ...    | 3.9    | 15.5    | 45.8    | ...     |
| 385 Professional and scientific equipment       | 589   | 1100  | 1130  | 1214  | 35.4   | 51.3   | 44.7   | 44.5   | 95.0   | 272.1   | 268.9   | 324.0   |
| 3851 Prof and scientific equipment n e c        | 263   | 505   | 545   | ...   | 9.5    | 17.7   | 18.9   | ...    | 27.7   | 86.0    | 112.9   | ...     |
| 3852 Photographic and optical goods             | 179   | 366   | 387   | ...   | 10.8   | 19.4   | 16.0   | ...    | 29.1   | 111.5   | 95.9    | ...     |
| 3853 Watches and clocks                         | 147   | 228   | 218   | ...   | 15.1   | 14.2   | 9.7    | ...    | 38.2   | 74.6    | 57.1    | ...     |
| 390 Other manufacturing industries              | 1942  | 2812  | 2757  | 2159  | 94.1   | 106.2  | 90.8   | 61.3   | 227.1  | 473.5   | 495.6   | 405.3   |
| 3901 Jewellery and related articles             | 253   | 259   | 254   | ...   | 6.3    | 6.6    | 6.1    | ...    | 14.6   | 30.8    | 32.9    | ...     |
| 3902 Musical instruments                        | 58    | 102   | 109   | ...   | 10.1   | 17.2   | 14.6   | ...    | 30.0   | 98.5    | 103.7   | ...     |
| 3903 Sporting and athletic goods                | 275   | 387   | 408   | ...   | 14.7   | 15.6   | 14.2   | ...    | 37.0   | 71.8    | 74.4    | ...     |
| 3909 Manufacturing industries, n e c            | 1356  | 2064  | 1985  | ...   | 63.0   | 66.8   | 55.9   | ...    | 145.5  | 272.4   | 284.6   | ...     |
| 3 Total manufacturing                           | 44037 | 65684 | 68872 | 72385 | 2395.4 | 3033.8 | 2957.9 | 2858.8 | 7244.7 | 16879.5 | 19579.5 | 22877.5 |

## Republic of Korea

| ISIC Industry                                    | Note | Output in producers' prices |         |         |         | Note | Value added in producers' prices |        |        |        | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-----------------------------|---------|---------|---------|------|----------------------------------|--------|--------|--------|--------------------------------|------|--|------|
|  |      | (billion WON)               |         |         |         |      | (billion WON)                    |        |        |        | (percentage)                   |      | (percentage)                               |      |
|  |      | 19'5                        | 1989    | 1990    | 1991    |      | 1985                             | 1989   | 1990   | 1991   | 1985                           | 1991 | 1985                                       | 1991 |
| 311/2 Food Products                              |      | 6405 0                      | 10625 0 | 12089 0 | 14250 5 |      | 1782 0                           | 3244 0 | 4280 0 | 5396 4 | 27 8                           | 37 9 | 23 1                                       | 21 7 |
| 3111 Slaughtering, preparing & preserving meat   |      | 280 1                       | 622 4   | 920 9   |         |      | 80 4                             | 206 3  | 294 3  |        | 28 7                           |      | 30 1                                       |      |
| 3112 Dairy products                              |      | 829 1                       | 1443 4  | 1518 8  |         |      | 235 6                            | 444 7  | 446 5  |        | 28 4                           |      | 16 0                                       |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 131 9                       | 269 4   | 342 2   |         |      | 46 0                             | 102 6  | 134 2  |        | 34 9                           |      | 32 0                                       |      |
| 3114 Canning, preserving and processing of fish  |      | 607 7                       | 1257 3  | 1420 3  |         |      | 204 3                            | 432 9  | 567 3  |        | 33 6                           |      | 31 8                                       |      |
| 3115 Vegetable and animal oils and fats          |      | 506 8                       | 561 3   | 645 6   |         |      | 103 2                            | 126 3  | 276 2  |        | 20 4                           |      | 17 3                                       |      |
| 3116 Grain mill products                         |      | 498 6                       | 682 9   | 810 1   |         |      | 112 1                            | 157 7  | 241 6  |        | 22 5                           |      | 24 6                                       |      |
| 3117 Bakery products                             |      | 834 5                       | 1516 4  | 1517 5  |         |      | 294 7                            | 560 9  | 682 4  |        | 36 3                           |      | 26 6                                       |      |
| 3118 Sugar factories and refineries              |      | 185 3                       | 290 4   | 492 7   |         |      | 39 4                             | 37 0   | 105 5  |        | 21 3                           |      | 14 0                                       |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 417 4                       | 562 1   | 893 9   |         |      | 156 2                            | 210 5  | 391 5  |        | 37 2                           |      | 24 9                                       |      |
| 3121 Other food products                         |      | 934 1                       | 1506 6  | 1790 2  |         |      | 311 0                            | 535 2  | 718 6  |        | 33 3                           |      | 21 0                                       |      |
| 3122 Prepared animal feeds                       |      | 1179 5                      | 1912 9  | 1736 8  |         |      | 200 5                            | 430 0  | 422 5  |        | 17 0                           |      | 17 9                                       |      |
| 313 Beverages                                    |      | 1368 0                      | 2335 0  | 2752 0  | 2959 8  |      | 665 0                            | 1140 0 | 1337 0 | 1654 4 | 48 6                           | 52 5 | 15 8                                       | 11 3 |
| 3131 Distilling, rectifying and blending spirits |      | 548 6                       | 718 1   | 782 7   |         |      | 214 3                            | 295 1  | 306 5  |        | 39 1                           |      | 11 2                                       |      |
| 3132 Wine industries                             |      | 148 6                       | 176 5   | 204 4   |         |      | 81 6                             | 107 7  | 129 2  |        | 54 9                           |      | 25 5                                       |      |
| 3133 Malt liquors and malt                       |      | 240 2                       | 415 1   | 462 7   |         |      | 140 8                            | 213 9  | 278 3  |        | 58 6                           |      | 8 4  |      |
| 3134 Soft drinks and carbonated waters           |      | 430 6                       | 1025 0  | 1302 2  |         |      | 228 1                            | 523 4  | 623 1  |        | 53 0                           |      | 21 4                                       |      |
| 314 Tobacco                                      |      | 1648 0                      | 2398 0  | 2581 0  | 2975 0  |      | 1255 0                           | 1896 0 | 1977 0 | 2210 1 | 76 2                           | 74 3 | 3 9  | 4 1  |
| 321 Textiles                                     |      | 7594 0                      | 12235 0 | 12537 0 | 14658 8 |      | 2867 0                           | 4667 0 | 4836 0 | 6336 9 | 37 8                           | 43 2 | 32 1                                       | 36 1 |
| 3211 Spinning, weaving and finishing textiles    |      | 5938 0                      | 9278 0  | 9328 4  |         |      | 2219 1                           | 3546 6 | 3533 5 |        | 37 4                           |      | 31 6                                       |      |
| 3212 Made-up textile goods excl wearing apparel  |      | 335 2                       | 607 2   | 714 6   |         |      | 124 0                            | 257 6  | 320 7  |        | 37 0                           |      | 39 4                                       |      |
| 3213 Knitting mills                              |      | 1040 0                      | 1555 8  | 1537 6  |         |      | 420 3                            | 577 8  | 621 9  |        | 40 4                           |      | 31 2                                       |      |
| 3214 Carpets and rugs                            |      | 15 6                        | 37 5    | 48 0    |         |      | 7 1                              | 17 2   | 21 6   |        | 45 6                           |      | 49 3                                       |      |
| 3215 Cordage, rope and twine                     |      | 127 4                       | 232 9   | 232 9   |         |      | 44 8                             | 71 6   | 97 6   |        | 36 2                           |      | 42 0                                       |      |
| 3219 Other textiles                              |      | 137 4                       | 524 0   | 675 7   |         |      | 51 9                             | 196 0  | 240 3  |        | 37 8                           |      | 33 3                                       |      |
| 322 wearing apparel, except footwear             |      | 2730 0                      | 5106 0  | 5547 0  | 5882 2  |      | 1125 0                           | 2102 0 | 2407 0 | 2815 9 | 41 2                           | 47 9 | 46 7                                       | 40 1 |
| 323 Leather and fur products                     |      | 935 0                       | 2488 0  | 2760 0  | 2788 7  |      | 235 0                            | 607 0  | 810 0  | 857 0  | 25 1                           | 30 7 | 34 5                                       | 31 4 |
| 3231 Tanneries and leather finishing             |      | 599 8                       | 1749 6  | 1959 2  |         |      | 126 1                            | 367 7  | 524 1  |        | 21 0                           |      | 30 1                                       |      |
| 3232 Fur dressing and dyeing industries          |      | 19 6                        | 85 4    | 85 4    |         |      | 6 2                              | 28 0   | 34 1   |        | 31 6                           |      | 50 0                                       |      |
| 3233 Leather prods excl wearing apparel          |      | 315 9                       | 652 7   | 715 5   |         |      | 102 9                            | 211 0  | 251 7  |        | 32 6                           |      | 38 9                                       |      |
| 324 Footwear, except rubber or plastic           |      | 464 0                       | 827 0   | 947 0   | 4077 0  |      | 184 0                            | 334 0  | 420 0  | 1823 6 | 39 7                           | 44 7 | 38 3                                       | 47 4 |
| 331 Wood products, except furniture              |      | 836 0                       | 1387 0  | 1740 0  | 2136 1  |      | 228 0                            | 449 0  | 620 0  | 894 0  | 27 3                           | 41 9 | 44 7                                       | 34 5 |
| 3311 Sawmills, planing and other wood mills      |      | 769 5                       | 1218 1  | 1522 1  |         |      | 200 0                            | 373 6  | 519 2  |        | 26 0                           |      | 43 6                                       |      |
| 3312 Wooden and cane containers                  |      | 35 7                        | 89 3    | 100 0   |         |      | 12 7                             | 35 7   | 39 6   |        | 35 6                           |      | 61 2                                       |      |
| 3319 Other wood and cork products                |      | 30 7                        | 79 6    | 117 9   |         |      | 14 9                             | 39 6   | 60 9   |        | 48 5                           |      | 66 0                                       |      |
| 332 Furniture and fixtures, excl metal           |      | 431 0                       | 1152 0  | 1438 0  | 2152 5  |      | 177 0                            | 480 0  | 688 0  | 1131 1 | 41 1                           | 52 5 | 42 5                                       | 32 4 |
| 341 Paper and products                           |      | 1944 0                      | 3995 0  | 4427 0  | 5078 8  |      | 693 0                            | 1232 0 | 1502 0 | 1982 2 | 30 5                           | 39 0 | 27 4                                       | 24 9 |
| 3411 Pulp, paper and paperboard articles         |      | 1052 0                      | 2142 4  | 2328 0  |         |      | 316 4                            | 617 9  | 765 2  |        | 30 1                           |      | 22 7                                       |      |
| 3412 Containers of paper and paperboard          |      | 525 6                       | 1039 9  | 1288 0  |         |      | 162 0                            | 366 9  | 470 1  |        | 30 8                           |      | 35 9                                       |      |
| 3419 Other pulp, paper and paperboard articles   |      | 366 0                       | 812 5   | 811 1   |         |      | 114 4                            | 247 7  | 267 0  |        | 31 3                           |      | 28 1                                       |      |
| 342 Printing and publishing                      |      | 1175 0                      | 2403 0  | 2997 0  | 3257 0  |      | 637 0                            | 1323 0 | 1791 0 | 1942 0 | 54 2                           | 59 6 | 33 5                                       | 33 1 |
| 351 Industrial chemicals                         |      | 4190 0                      | 6775 0  | 8514 0  | 11217 2 |      | 1109 0                           | 1953 0 | 2830 0 | 4181 5 | 26 5                           | 37 3 | 15 2                                       | 18 8 |
| 3511 Basic chemicals excl fertilizers            |      | 2824 6                      | 4933 4  | 6485 2  |         |      | 753 9                            | 1449 0 | 2105 1 |        | 26 7                           |      | 14 5                                       |      |
| 3512 Fertilizers and pesticides                  |      | 837 1                       | 893 1   | 568 6   |         |      | 188 7                            | 228 7  | 217 6  |        | 22 5                           |      | 18 0                                       |      |
| 3513 Synthetic resins and plastic materials      |      | 528 5                       | 948 8   | 1460 5  |         |      | 166 2                            | 277 6  | 607 6  |        | 31 4                           |      | 15 1                                       |      |
| 352 Other chemicals                              |      | 2596 0                      | 5848 0  | 7109 0  | 6859 9  |      | 1237 0                           | 2793 0 | 3616 0 | 3612 4 | 47 7                           | 52 7 | 19 2                                       | 16 9 |
| 3521 Paints, varnishes and lacquers              |      | 356 2                       | 671 6   | 858 7   |         |      | 112 5                            | 222 9  | 345 1  |        | 31 6                           |      | 26 3                                       |      |
| 3522 Drugs and medicines                         |      | 1200 8                      | 1927 1  | 3005 7  |         |      | 674 2                            | 1164 0 | 1697 7 |        | 66 1                           |      | 17 9                                       |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 601 6                       | 1565 0  | 1517 3  |         |      | 293 6                            | 773 8  | 826 9  |        | 48 8                           |      | 13 2                                       |      |
| 3529 Other chemical products                     |      | 437 2                       | 1683 8  | 1626 8  |         |      | 156 2                            | 632 2  | 746 7  |        | 36 7                           |      | 31 0                                       |      |
| 353 Petroleum refineries                         |      | 6646 0                      | 5736 0  | 7097 0  | 9176 1  |      | 939 0                            | 1306 0 | 2028 0 | 2442 2 | 14 1                           | 26 6 | 3 4  | 4 3  |

|   |         |          |          |          |         |         |         |         |      |      |      |      |
|---|---------|----------|----------|----------|---------|---------|---------|---------|------|------|------|------|
| 354 Misc petroleum and coal products            | 1201.0  | 1429.0   | 1524.0   | 1466.9   | 263.0   | 337.0   | 366.0   | 414.3   | 21.1 | 28.3 | 19.5 | 23.1 |
| 355 Rubber products                             | 2152.0  | 4144.0   | 5146.0   | 2211.4   | 792.0   | 1669.8  | 2168.0  | 1035.5  | 36.8 | 46.8 | 41.9 | 26.5 |
| 3551 Tyres and tubes                            | 587.5   | 898.1    | 1170.2   | ...      | 206.1   | 340.4   | 506.3   | ...     | 35.1 | ...  | 18.7 | ...  |
| 3559 Other rubber products                      | 1564.2  | 3246.0   | 3976.2   | ...      | 586.5   | 1329.4  | 1661.3  | ...     | 37.4 | ...  | 50.1 | ...  |
| 356 Plastic products                            | 1795.0  | 4048.0   | 4995.0   | 5500.5   | 617.0   | 1470.0  | 1935.0  | 2212.9  | 34.4 | 40.2 | 29.0 | 31.2 |
| 361 Pottery, china, earthenware                 | 148.0   | 265.0    | 292.0    | 335.7    | 93.0    | 171.0   | 194.0   | 219.9   | 62.8 | 65.5 | 41.7 | 42.8 |
| 362 Glass and products                          | 564.0   | 900.0    | 1208.0   | 1536.0   | 267.0   | 487.0   | 702.0   | 913.5   | 47.3 | 59.5 | 26.8 | 27.5 |
| 369 Other non-metallic mineral products         | 2411.0  | 4739.0   | 5785.0   | 7697.4   | 926.0   | 1908.0  | 2817.0  | 3719.3  | 38.4 | 48.3 | 26.4 | 20.7 |
| 3691 Structural clay products                   | 244.8   | 604.5    | 684.0    | ...      | 111.5   | 328.8   | 375.8   | ...     | 45.5 | ...  | 36.2 | ...  |
| 3692 Cement, lime and plaster                   | 859.7   | 1428.4   | 1725.0   | ...      | 304.9   | 545.1   | 794.8   | ...     | 35.5 | ...  | 18.8 | ...  |
| 3699 Other non-metallic mineral products        | 1306.8  | 2706.1   | 3374.8   | ...      | 510.1   | 1032.8  | 1446.2  | ...     | 39.0 | ...  | 28.7 | ...  |
| 371 Iron and steel                              | 5763.0  | 10692.0  | 12284.0  | 14842.0  | 1775.0  | 3332.0  | 4379.0  | 5744.0  | 30.8 | 38.7 | 17.8 | 18.7 |
| 372 Non-ferrous metals                          | 1188.0  | 2822.0   | 3281.0   | 3688.6   | 291.0   | 715.0   | 850.0   | 1082.8  | 24.5 | 29.4 | 32.0 | 25.7 |
| 381 Fabricated metal products                   | 2686.0  | 7061.0   | 8618.0   | 16847.8  | 1076.0  | 2844.0  | 3641.0  | 7062.5  | 40.1 | 41.9 | 35.5 | 34.2 |
| 3811 Cutlery, hand tools and general hardware   | 244.8   | 580.9    | 714.4    | ...      | 115.3   | 264.7   | 337.0   | ...     | 47.1 | ...  | 43.6 | ...  |
| 3812 Furniture and fixtures primarily of metal  | 109.4   | 340.0    | 375.0    | ...      | 49.7    | 139.2   | 176.2   | ...     | 46.4 | ...  | 40.8 | ...  |
| 3813 Structural metal products                  | 810.7   | 2258.3   | 2775.7   | ...      | 321.8   | 920.4   | 1073.3  | ...     | 39.7 | ...  | 36.7 | ...  |
| 3819 Other fabricated metal products            | 1521.1  | 3881.8   | 4752.8   | ...      | 589.2   | 1519.7  | 2064.6  | ...     | 38.7 | ...  | 34.6 | ...  |
| 382 Non-electrical machinery                    | 3058.0  | 8835.0   | 11486.0  | 16537.0  | 1264.0  | 3575.0  | 4957.0  | 6875.3  | 41.3 | 41.5 | 34.4 | 31.3 |
| 3821 Engines and turbines                       | 2.8     | 7.8      | 9.1      | ...      | 1.2     | 4.7     | 5.3     | ...     | 42.9 | ...  | 33.3 | ...  |
| 3822 Agricultural machinery and equipment       | 258.0   | 440.9    | 864.6    | ...      | 91.7    | 188.6   | 339.8   | ...     | 34.2 | ...  | 30.2 | ...  |
| 3823 Metal and wood working machinery           | 389.6   | 1670.6   | 2138.6   | ...      | 198.1   | 775.1   | 1021.9  | ...     | 50.8 | ...  | 40.7 | ...  |
| 3824 Other special industrial machinery         | 743.4   | 1570.4   | 2721.7   | ...      | 302.8   | 660.6   | 1138.1  | ...     | 40.7 | ...  | 31.2 | ...  |
| 3825 Office, computing and accounting machinery | 389.2   | 1069.0   | 1224.5   | ...      | 132.3   | 402.9   | 509.0   | ...     | 34.0 | ...  | 38.8 | ...  |
| 3829 Other non-electrical machinery & equipment | 1265.0  | 4076.3   | 4527.5   | ...      | 537.9   | 1643.9  | 1943.3  | ...     | 42.5 | ...  | 33.5 | ...  |
| 383 Electrical machinery                        | 8399.0  | 21988.0  | 25848.0  | 27168.6  | 3150.0  | 8331.0  | 10663.0 | 11383.4 | 37.5 | 41.9 | 28.0 | 27.0 |
| 3831 Electrical industrial machinery            | 790.1   | 1959.5   | 2167.2   | ...      | 302.7   | 726.4   | 833.7   | ...     | 36.3 | ...  | 32.4 | ...  |
| 3832 Radio, television and communication equipa | 5826.5  | 16908.3  | 18883.4  | ...      | 2719.0  | 6174.7  | 7923.8  | ...     | 38.1 | ...  | 27.9 | ...  |
| 3833 Electrical appliances and housewares       | 704.2   | 1766.6   | 2003.3   | ...      | 238.6   | 651.4   | 901.8   | ...     | 33.9 | ...  | 24.3 | ...  |
| 3839 Other electrical apparatus and supplies    | 1077.7  | 2353.2   | 2793.7   | ...      | 389.9   | 778.1   | 1003.8  | ...     | 38.2 | ...  | 27.6 | ...  |
| 384 Transport equipment                         | 6858.0  | 13957.0  | 19789.0  | 16776.9  | 2428.0  | 4673.0  | 7249.0  | 6680.1  | 35.4 | 39.8 | 30.3 | 26.0 |
| 3841 Shipbuilding and repairing                 | 3303.6  | 2688.8   | 3675.5   | ...      | 1279.3  | 831.4   | 1414.6  | ...     | 38.7 | ...  | 30.7 | ...  |
| 3842 Railroad equipment                         | 184.8   | 174.7    | 242.0    | ...      | 78.5    | 68.7    | 81.0    | ...     | 42.5 | ...  | 29.9 | ...  |
| 3843 Motor vehicles                             | 3202.9  | 10766.7  | 15303.0  | ...      | 1007.5  | 3584.0  | 5507.3  | ...     | 31.5 | ...  | 29.8 | ...  |
| 3844 Motorcycles and bicycles                   | 137.0   | 357.6    | 428.5    | ...      | 45.3    | 152.1   | 151.5   | ...     | 33.8 | ...  | 35.4 | ...  |
| 3845 Aircraft                                   | ...     | ...      | 6.7      | ...      | ...     | ...     | 3.9     | ...     | ...  | ...  | ...  | ...  |
| 3849 Other transport equipment                  | 29.2    | 68.8     | 144.0    | ...      | 15.0    | 37.1    | 90.7    | ...     | 54.8 | ...  | 24.4 | ...  |
| 385 Professional and scientific equipment       | 623.0   | 1676.0   | 1843.0   | 2136.0   | 252.0   | 697.0   | 810.0   | 944.7   | 40.4 | 44.2 | 37.7 | 34.3 |
| 3851 Prof and scientific equipment n e c        | 142.3   | 513.9    | 815.3    | ...      | 67.4    | 220.1   | 371.7   | ...     | 47.4 | ...  | 41.1 | ...  |
| 3852 Photographic and optical goods             | 209.7   | 663.1    | 611.1    | ...      | 90.5    | 272.9   | 244.6   | ...     | 43.2 | ...  | 32.1 | ...  |
| 3853 Watches and clocks                         | 271.0   | 499.0    | 417.0    | ...      | 94.0    | 204.0   | 193.3   | ...     | 34.7 | ...  | 40.6 | ...  |
| 390 Other manufacturing industries              | 1225.0  | 2613.0   | 2665.0   | 2180.0   | 520.0   | 1143.0  | 1252.0  | 1036.7  | 42.4 | 47.5 | 43.7 | 39.2 |
| 3901 Jewellery and related articles             | 87.2    | 157.4    | 181.0    | ...      | 38.2    | 79.1    | 75.2    | ...     | 41.5 | ...  | 40.3 | ...  |
| 3902 Musical instruments                        | 141.6   | 333.3    | 380.5    | ...      | 64.8    | 172.4   | 205.7   | ...     | 45.8 | ...  | 46.3 | ...  |
| 3903 Sporting and athletic goods                | 213.4   | 417.8    | 394.6    | ...      | 86.8    | 164.0   | 178.6   | ...     | 40.7 | ...  | 42.6 | ...  |
| 3909 Manufacturing industries, n e c            | 782.8   | 1704.5   | 1709.3   | ...      | 332.2   | 727.5   | 792.9   | ...     | 42.4 | ...  | 43.8 | ...  |
| 3 Total manufacturing                           | 77033.0 | 148478.0 | 177298.9 | 206393.3 | 26737.0 | 54960.0 | 70925.0 | 85503.9 | 34.7 | 41.9 | 27.1 | 25.4 |

## Republic of Korea

| ISIC Industry                             | Note | Gross fixed capital formation |         |         |         | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |
|---|------|-------------------------------|---------|---------|---------|------|--|------|------|------|------|------|------|------|------|
|   |      | (billion WDN)                 |         |         |         |      | (1980=100)                             |      |      |      |      |      |      |      |      |
|   |      | 1985                          | 1989    | 1990    | 1991    |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      | 358.3                         | 790.0   | 934.0   | 1172.7  | a/   | 141                                    | 152  | 167  | 186  | 209  | 224  | 238  | 256  | 283  |
| 313 Beverages                             |      | 93.3                          | 178.0   | 304.0   | 315.5   | a/   |  |      |      |      |      |      |      |      |      |
| 314 Tobacco                               |      | 10.3                          | 18.0    | 14.0    | 48.8    |      | 114                                    | 110  | 114  | 117  | 123  | 122  | 130  | 131  | 136  |
| 321 Textiles                              |      | 495.3                         | 1224.0  | 1342.0  | 2255.6  |      | 124                                    | 124  | 149  | 166  | 171  | 166  | 165  | 162  | 156  |
| 322 Wearing apparel, except footwear      |      | 89.1                          | 199.0   | 246.0   | 201.2   |      | 160                                    | 153  | 176  | 214  | 212  | 201  | 194  | 185  | 168  |
| 323 Leather and fur products              |      | 29.3                          | 90.0    | 110.0   | 144.4   | b/   | 166                                    | 153  | 212  | 247  | 243  | 210  | 225  | 210  | 196  |
| 324 Footwear, except rubber or plastic    |      | 18.0                          | 32.0    | 37.0    | 281.2   | b/   |  |      |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      | 27.0                          | 86.0    | 117.0   | 162.3   |      | 120                                    | 113  | 122  | 137  | 138  | 142  | 148  | 160  | 162  |
| 332 Furniture and fixtures, excl metal    |      | 34.4                          | 88.0    | 110.0   | 3158.8  |      | 170                                    | 164  | 193  | 240  | 264  | 241  | 236  | 240  | 223  |
| 341 Paper and products                    |      | 193.1                         | 503.0   | 497.0   | 801.8   |      | 137                                    | 139  | 169  | 202  | 227  | 238  | 251  | 260  | 277  |
| 342 Printing and publishing               |      | 95.4                          | 183.0   | 250.0   | 278.8   |      | 107                                    | 115  | 140  | 148  | 162  | 191  | 207  | 213  | 237  |
| 351 Industrial chemicals                  |      | 292.3                         | 1377.0  | 1837.0  | 4278.2  | c/   | 144                                    | 151  | 173  | 211  | 263  | 284  | 328  | 381  | 462  |
| 352 Other chemicals                       |      | 169.9                         | 452.0   | 548.0   | 623.5   | c/   |  |      |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      | 212.7                         | 959.0   | 938.0   | 1397.3  | d/   | 127                                    | 131  | 140  | 141  | 166  | 191  | 204  | 263  | 336  |
| 354 Misc. petroleum and coal products     |      | 33.6                          | 78.0    | 136.0   | 65.2    | d/   |  |      |      |      |      |      |      |      |      |
| 355 Rubber products                       |      | 123.0                         | 490.0   | 379.0   | 386.6   | e/   | 142                                    | 146  | 169  | 201  | 234  | 231  | 239  | 269  | 275  |
| 356 Plastic products                      |      | 141.8                         | 459.0   | 553.0   | 797.2   | e/   |  |      |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      | 21.8                          | 30.0    | 39.0    | 44.3    | f/   | 147                                    | 150  | 172  | 196  | 221  | 245  | 253  | 306  | 325  |
| 362 Glass and products                    |      | 110.4                         | 80.0    | 247.0   | 415.9   | f/   |  |      |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      | 339.2                         | 596.0   | 1002.0  | 1263.5  | f/   |  |      |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      | 245.0                         | 1261.0  | 3680.0  | 1315.5  | g/   | 181                                    | 189  | 209  | 239  | 259  | 282  | 315  | 350  | 366  |
| 372 Non-ferrous metals                    |      | 77.8                          | 188.0   | 239.0   | 325.0   | g/   |  |      |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      | 200.0                         | 534.0   | 910.0   | 1957.5  |      | 183                                    | 192  | 228  | 245  | 264  | 258  | 278  | 300  | 287  |
| 382 Non-electrical machinery              |      | 310.7                         | 844.0   | 971.0   | 1332.0  |      | 256                                    | 270  | 364  | 460  | 637  | 640  | 602  | 667  | 648  |
| 383 Electrical machinery                  |      | 810.8                         | 2317.0  | 3002.0  | 3373.8  |      | 199                                    | 208  | 279  | 393  | 479  | 479  | 676  | 621  | 664  |
| 384 Transport equipment                   |      | 567.1                         | 1821.0  | 2719.0  | 2121.8  |      | 284                                    | 274  | 306  | 305  | 353  | 319  | 356  | 420  | 524  |
| 385 Professional and scientific equipment |      | 41.2                          | 141.0   | 124.0   | 210.0   |      | 123                                    | 120  | 162  | 209  | 221  | 202  | 194  | 206  | 206  |
| 390 Other manufacturing industries        |      | 64.4                          | 140.0   | 183.0   | 148.1   |      | 151                                    | 146  | 178  | 225  | 221  | 194  | 184  | 177  | 159  |
| 3 Total manufacturing                     |      | 5206.6                        | 15167.0 | 21470.0 | 28876.2 |      | 161                                    | 165  | 197  | 234  | 265  | 271  | 297  | 326  | 348  |

a/ 311/2 includes 313

c/ 351 includes 352

e/ 355 includes 356

g/ 371 includes 372

b/ 323 includes 324

d/ 353 includes 364

f/ 361 includes 362 and 369

## REPUBLIC OF MOLDOVA

**Supplier of information:**

State Department of Statistics of the Republic of Moldova, Chisinau.

**Basic source of data:**

Not reported.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

Self-sustained establishments.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

No deviations from the standard UN concepts and definitions are reported.

**Related national publications:**

## Republic of Moldova

| ISIC Industry                             | Note | Number of establishments |      |      |      | Note | Number of employees |        |        |      | Note | Wages and salaries paid to employees |         |      |      |
|---|------|--------------------------|------|------|------|------|---------------------|--------|--------|------|------|--------------------------------------|---------|------|------|
|   |      | (numbers)                |      |      |      |      | (numbers)           |        |        |      |      | (thousand ROUBLES)                   |         |      |      |
|   |      | 1985                     | 1990 | 1991 | 1992 |      | 1985                | 1990   | 1991   | 1992 |      | 1985                                 | 1990    | 1991 | 1992 |
| 311/2 Food Products                       |      |                          | 124  | 109  | 105  |      | 58985               | 58197  | 57009  |      |      | 161070                               | 275810  |      |      |
| 313 Beverages                             |      |                          | 89   | 89   | 87   |      | 12080               | 11679  | 13213  |      |      | 35470                                | 70520   |      |      |
| 314 Tobacco                               |      |                          | 9    | 9    | 9    |      | 2079                | 2089   | 2212   |      |      | 6980                                 | 13870   |      |      |
| 321 Textiles                              |      |                          | 15   | 14   | 15   |      | 37252               | 33400  | 31142  |      |      | 131950                               | 224330  |      |      |
| 322 Wearing apparel, except footwear      |      |                          | 72   | 32   | 32   |      | 51732               | 32454  | 27435  |      |      | 138170                               | 185310  |      |      |
| 323 Leather and fur products              |      |                          | 4    | 4    | 4    |      | 3975                | 3772   | 3272   |      |      | 13890                                | 28180   |      |      |
| 324 Footwear, except rubber or plastic    |      |                          | 5    | 6    | 7    |      | 9327                | 8322   | 8063   |      |      | 31830                                | 48630   |      |      |
| 331 Wood products, except furniture       |      |                          | 10   | 14   | 14   |      | 11685               | 5729   | 6090   |      |      | 34250                                | 27770   |      |      |
| 332 Furniture and fixtures, excl metal    |      |                          | 13   | 12   | 12   |      | 8806                | 8275   | 7785   |      |      | 35220                                | 54970   |      |      |
| 341 Paper and products                    |      |                          | 2    | 2    | 2    |      | 1427                | 1359   | 1504   |      |      | 3950                                 | 8440    |      |      |
| 342 Printing and publishing               |      |                          | 12   | 11   | 12   |      | 3720                | 3254   | 2914   |      |      | 11130                                | 15520   |      |      |
| 351 Industrial chemicals                  |      |                          | 3    | 3    | 3    |      | 964                 | 785    | 629    |      |      | 2510                                 | 3710    |      |      |
| 352 Other chemicals                       |      |                          | 13   | 13   | 13   |      | 2103                | 2070   | 1736   |      |      | 6720                                 | 11810   |      |      |
| 353 Petroleum refineries                  |      |                          | -    | -    | -    |      | -                   | -      | -      |      |      | -                                    | -       |      |      |
| 354 Misc petroleum and coal products      |      |                          | 1    | 1    | 1    |      | 3165                | 1059   | 1064   |      |      | 7380                                 | 7230    |      |      |
| 355 Rubber products                       |      |                          | -    | -    | -    |      | -                   | -      | -      |      |      | -                                    | -       |      |      |
| 356 Plastic products                      |      |                          | 2    | 2    | 2    |      | 3633                | 3717   | 2831   |      |      | 10890                                | 16030   |      |      |
| 361 Pottery, china, earthenware           |      |                          | -    | -    | -    |      | -                   | -      | -      |      |      | -                                    | -       |      |      |
| 362 Glass and products                    |      |                          | 5    | 5    | 3    |      | 5481                | 5473   | 2954   |      |      | 21610                                | 40060   |      |      |
| 369 Other non-metallic mineral products   |      |                          | 33   | 37   | 40   |      | 19375               | 21328  | 21038  |      |      | 62780                                | 119910  |      |      |
| 371 Iron and steel                        |      |                          | 2    | 2    | 2    |      | 3254                | 3214   | 3291   |      |      | 12850                                | 22830   |      |      |
| 372 Non-ferrous metals                    |      |                          | -    | -    | -    |      | -                   | -      | -      |      |      | -                                    | -       |      |      |
| 381 Fabricated metal products             |      |                          | 25   | 31   | 30   |      | 31855               | 28452  | 27483  |      |      | 104860                               | 161370  |      |      |
| 382 Non-electrical machinery              |      |                          | 49   | 50   | 57   |      | 72889               | 68445  | 59370  |      |      | 248340                               | 372070  |      |      |
| 383 Electrical machinery                  |      |                          | 15   | 15   | 15   |      | 15835               | 13037  | 11634  |      |      | 51880                                | 75470   |      |      |
| 384 Transport equipment                   |      |                          | 1    | 1    | 1    |      | 1688                | 1524   | 1525   |      |      | 6150                                 | 12010   |      |      |
| 385 Professional and scientific equipment |      |                          | -    | -    | -    |      | -                   | -      | -      |      |      | -                                    | -       |      |      |
| 390 Other manufacturing industries        |      |                          | 28   | 4    | 7    |      | 10794               | 11645  | 15977  |      |      | 31620                                | 52740   |      |      |
| 3 Total manufacturing                     |      |                          | 532  | 466  | 473  |      | 372904              | 329181 | 320271 |      |      | 1171520                              | 1824750 |      |      |



## Republic of Moldova

| ISIC Industry                             | Note | Output in producers' prices |         |         |          | Note | Value added       |      |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-----------------------------|---------|---------|----------|------|-------------------|------|------|------|--------------------------------|------|--|------|
|   |      | (million ROUBLES)           |         |         |          |      | (million ROUBLES) |      |      |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                        | 1990    | 1991    | 1992     |      | 1985              | 1990 | 1991 | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       |      |                             | 3157.1  | 6470.4  | 73557.0  |      |                   |      |      |      |                                |      |  |      |
| 313 Beverages                             |      |                             | 1162.9  | 2120.2  | 13845.0  |      |                   |      |      |      |                                |      |  |      |
| 314 Tobacco                               |      |                             | 571.6   | 1053.7  | 3473.0   |      |                   |      |      |      |                                |      |  |      |
| 321 Textiles                              |      |                             | 1228.9  | 2882.2  | 27963.0  |      |                   |      |      |      |                                |      |  |      |
| 322 Wearing apparel, except footwear      |      |                             | 832.1   | 1375.9  | 5864.0   |      |                   |      |      |      |                                |      |  |      |
| 323 Leather and fur products              |      |                             | 189.5   | 311.7   | 1495.0   |      |                   |      |      |      |                                |      |  |      |
| 324 Footwear, except rubber or plastic    |      |                             | 169.7   | 350.9   | 3853.0   |      |                   |      |      |      |                                |      |  |      |
| 331 Wood products, except furniture       |      |                             | 124.3   | 191.2   | 1285.0   |      |                   |      |      |      |                                |      |  |      |
| 332 Furniture and fixtures, excl. metal   |      |                             | 225.5   | 441.2   | 3525.0   |      |                   |      |      |      |                                |      |  |      |
| 341 Paper and products                    |      |                             | 31.2    | 108.9   | 1536.0   |      |                   |      |      |      |                                |      |  |      |
| 342 Printing and publishing               |      |                             | 39.0    | 90.8    | 673.0    |      |                   |      |      |      |                                |      |  |      |
| 351 Industrial chemicals                  |      |                             | 23.4    | 36.3    | 187.0    |      |                   |      |      |      |                                |      |  |      |
| 352 Other chemicals                       |      |                             | 110.8   | 245.2   | 1446.0   |      |                   |      |      |      |                                |      |  |      |
| 353 Petroleum refineries                  |      |                             | -       | -       | -        |      |                   |      |      |      |                                |      |  |      |
| 354 Misc. petroleum and coal products     |      |                             | 64.5    | 63.8    | 949.0    |      |                   |      |      |      |                                |      |  |      |
| 356 Rubber products                       |      |                             | -       | -       | -        |      |                   |      |      |      |                                |      |  |      |
| 356 Plastic products                      |      |                             | 69.3    | 83.6    | 543.0    |      |                   |      |      |      |                                |      |  |      |
| 361 Pottery, china, earthenware           |      |                             | -       | -       | -        |      |                   |      |      |      |                                |      |  |      |
| 362 Glass and products                    |      |                             | 277.1   | 553.4   | 2264.0   |      |                   |      |      |      |                                |      |  |      |
| 369 Other non-metallic mineral products   |      |                             | 316.3   | 763.2   | 7521.0   |      |                   |      |      |      |                                |      |  |      |
| 371 Iron and steel                        |      |                             | 121.3   | 234.0   | 10246.0  |      |                   |      |      |      |                                |      |  |      |
| 372 Non-ferrous metals                    |      |                             | -       | -       | -        |      |                   |      |      |      |                                |      |  |      |
| 381 Fabricated metal products             |      |                             | 356.9   | 719.3   | 5107.0   |      |                   |      |      |      |                                |      |  |      |
| 382 Non-electrical machinery              |      |                             | 1322.8  | 2155.4  | 17212.0  |      |                   |      |      |      |                                |      |  |      |
| 383 Electrical machinery                  |      |                             | 282.4   | 478.2   | 5095.0   |      |                   |      |      |      |                                |      |  |      |
| 384 Transport equipment                   |      |                             | 52.9    | 109.4   | 1044.0   |      |                   |      |      |      |                                |      |  |      |
| 386 Professional and scientific equipment |      |                             | -       | -       | -        |      |                   |      |      |      |                                |      |  |      |
| 390 Other manufacturing industries        |      |                             | 270.9   | 512.5   | 8753.0   |      |                   |      |      |      |                                |      |  |      |
| 3 Total manufacturing                     |      |                             | 11001.4 | 21361.2 | 198537.0 |      |                   |      |      |      |                                |      |  |      |

Republic of Moldova

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|------|------|--|------|------|------|------|------|------|------|
|   |      | (million ROUBLES)             |      |      |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990 | 1991 | 1992 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 313 Beverages                             |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 314 Tobacco                               |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 321 Textiles                              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 322 wearing apparel, except footwear      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 323 leather and fur products              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 332 Furniture and fixtures, excl. metal   |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 342 Printing and publishing               |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 352 Other chemicals                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 354 Misc petroleum and coal products      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 356 Plastic products                      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 362 Glass and products                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 382 Non-electrical machinery              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 384 Transport equipment                   |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 385 Professional and scientific equipment |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |

## ROMANIA

**Supplier of information:**

National Commission for Statistics, Bucharest.

**Basic source of data:**

Statistical reports on industrial production.

**Major deviations from current version of ISIC:**

The concepts, definitions and classification by branches of industry are in keeping with the prevailing national methodology for the period 1986-1990. Beginning 1991 they are according to the standards of the new National Activities Classification.

**Reference period (if not calendar year):****Scope:**

The data cover about 80% of enterprises and of industrial production.  
Prior to 1991, the data cover only state enterprises under the direction of the central government.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Wages and salaries is computed by UNIDO from reported wages and salaries per employee.

**Related national publications:**

Anuarul Statistic al Romaniei, published by the National Commission for Statistics, Bucharest.

## Romania

|   | Note | Number of enterprises<br>(numbers) |        |       |       | Note | Number of employees<br>(thousands) |        |       |       | Note | wages and salaries paid<br>to employees<br>(billion Lei) |        |        |      |  |  |
|---|------|------------------------------------|--------|-------|-------|------|------------------------------------|--------|-------|-------|------|--|--------|--------|------|--|--|
|   |      | 1985a/                             | 1990a/ | 1991  | 1992  |      | 1985a/                             | 1990a/ | 1991  | 1992  |      | 1985   | 1990   | 1991   | 1992 |  |  |
| ISIC Industry                             |      |                                    |        |       |       |      |                                    |        |       |       |      |  |        |        |      |  |  |
| 311/2 Food Products                       |      | 301b/                              | 335b/  | 439c/ | 472c/ |      | 186b/                              | 259c/  | 266c/ | 243c/ |      | 9 6c/  | 22 7c/ | 68 1c/ |      |  |  |
| 313 Beverages                             |      | b/                                 | b/     | c/    | c/    |      | b/                                 | c/     | c/    | c/    |      | c/   | c/     | c/     |      |  |  |
| 314 Tobacco                               |      | b/                                 | b/     | 1     | 1     |      | b/                                 | 6      | 6     | 6     |      | 0 3  | 0 6    | 1 7    |      |  |  |
| 321 Textiles                              |      | 188                                | 221    | 244   | 237   |      | 336                                | 414    | 394   | 328   |      | 14 7   | 29 6   | 66 7   |      |  |  |
| 322 wearing apparel, except footwear      |      |                                    |        | 110d/ | 109d/ |      |                                    | 237    | 226   | 191   |      | 7 8  | 14 8   | 32 2   |      |  |  |
| 323 Leather and fur products              |      | 39e/                               | 44e/   | d/    | d/    | e/   | 89                                 | 138    | 136   | 114   |      | 4 8e/  | 10 1e/ | 21 1e/ |      |  |  |
| 324 Footwear, except rubber or plastic    |      | e/                                 | e/     | d/    | d/    | e/   |                                    |        |       |       |      | e/   | e/     | e/     |      |  |  |
| 331 Wood products, except furniture       |      | 78f/                               | 89f/   | 28    | 23    |      | 273f/                              | 94     | 87    | 89    |      | 3 1  | 6 8    | 18 8   |      |  |  |
| 332 Furniture and fixtures, excl metal    |      | f/                                 | f/     | 104   | 106   |      | f/                                 | 193    | 173   | 163   |      | 6 7  | 13 7   | 31 4   |      |  |  |
| 341 Paper and products                    |      | 14                                 | 17     | 19    | 18    |      | 33                                 | 43     | 38    | 36    |      | 1 7  | 3 7    | 9 1    |      |  |  |
| 342 Printing and publishing               |      | 16                                 | 17     | 26    | 24    |      | 17                                 | 26     | 23    | 24    |      | 1 0  | 2 1    | 6 7    |      |  |  |
| 351 Industrial chemicals                  |      | 88g/                               | 97g/   | 73h/  | 69h/  |      | 210g/                              | 183h/  | 150h/ | 156h/ |      | 7 8h/  | 16 1h/ | 46 0h/ |      |  |  |
| 352 Other chemicals                       |      | g/                                 | g/     | h/    | h/    |      | g/                                 | h/     | h/    | h/    |      | h/   | h/     | h/     |      |  |  |
| 353 Petroleum refineries                  |      |                                    |        | 131/  | 131/  |      |                                    | 26     | 26    | 26    |      | 1 2  | 3 1    | 9 2    |      |  |  |
| 354 Misc. petroleum and coal products     |      |                                    |        | 1/    | 1/    |      |                                    | 7      | 7     | 7     |      | 0 3  | 0 9    | 2 7    |      |  |  |
| 355 Rubber products                       |      | g/                                 | g/     | 42j/  | 39j/  |      | g/                                 | 96j/   | 84j/  | 76j/  |      | 3 7j/  | 7 7j/  | 18 1j/ |      |  |  |
| 356 Plastic products                      |      | g/                                 | g/     | j/    | j/    |      | g/                                 | j/     | j/    | j/    |      | j/   | j/     | j/     |      |  |  |
| 361 Pottery, china, earthenware           |      | 30k/                               | 33k/   | 110m/ | 101m/ |      | 67k/                               | 176m/  | 190m/ | 156m/ |      | 6 9m/  | 17 1m/ | 37 3m/ |      |  |  |
| 362 Glass and products                    |      | k/                                 | k/     | m/    | m/    |      | k/                                 | m/     | m/    | m/    |      | m/   | m/     | m/     |      |  |  |
| 369 Other non-metallic mineral products   |      | 59n/                               | 68n/   | m/    | m/    |      | 93n/                               | m/     | m/    | m/    |      | m/   | m/     | m/     |      |  |  |
| 371 Iron and steel                        |      | 30                                 | 36     | 66p/  | 60p/  |      | 170                                | 173p/  | 175p/ | 176p/ |      | 7 8p/  | 17 7p/ | 46 6p/ |      |  |  |
| 372 Non-ferrous metals                    |      | 22                                 | 23     | p/    | p/    |      | 93                                 | p/     | p/    | p/    |      | p/   | p/     | p/     |      |  |  |
| 381 Fabricated metal products             |      | 331q/                              | 366r/  | 68    | 78    |      | 1187q/                             | 189    | 186   | 181   |      | 7 4  | 15 3   | 38 6   |      |  |  |
| 382 Non-electrical machinery              |      | q/                                 | r/     | 185   | 185   |      | q/                                 | 607    | 687   | 448   |      | 24 8   | 60 4   | 104 1  |      |  |  |
| 383 Electrical machinery                  |      | q/                                 | r/     | 50    | 51    |      | q/                                 | 167    | 136   | 119   |      | 6 6  | 11 6   | 25 2   |      |  |  |
| 384 Transport equipment                   |      | q/                                 | r/     | 78    | 82    |      | q/                                 | 348    | 262   | 232   |      | 14 7   | 24 2   | 69 4   |      |  |  |
| 385 Professional and scientific equipment |      | q/                                 | r/     | 27    | 28    |      | q/                                 | 50     | 44    | 38    |      | 2 0  | 3 7    | 8 0    |      |  |  |
| 390 Other manufacturing industries        |      |                                    | r/     |       | 30    |      |                                    | 21     | 20    | 17    |      | 0 8  | 1 6    | 3 7    |      |  |  |
| 3 Total manufacturing                     |      | 1196                               | 1346   | 1680  | 1726  |      | 2744                               | 3452   | 3213  | 2811  |      | 133 6  | 273 3  | 634 4  |      |  |  |

a/ Estimates relate to state enterprises under the direction of the central government

b/ 311/2 includes 313

c/ 311/2 includes 313

d/ 323 includes 324

e/ 323 includes 324

f/ 331 includes 332

g/ 351 includes 352, 355 and 356

h/ 351 includes 352

i/ 353 includes 354

j/ 355 includes 356

k/ 361 includes 362

l/ 369 includes certain mining activities

m/ 361 includes 362 and 369

n/ 371 includes 372

o/ 381 includes 382, 383, 384 and 385

b/ 311/2 includes 313 and 314.

d/ 322 includes 323 and 324

f/ 331 includes 332

h/ 351 includes 352

j/ 355 includes 356

m/ 361 includes 362 and 369

p/ 371 includes 372

r/ 381 includes 382, 383, 384, 385 and 390

Romania

| ISIC Industry                             | Note | Output<br>(billion LEI) |         |         |      | Note | Value added<br>(billion LEI) |        |      |      | Share of<br>value added<br>in output<br>(percentage) |      | Share of<br>wages and<br>salaries in<br>value added<br>(percentage) |      |
|---|------|-------------------------|---------|---------|------|------|------------------------------|--------|------|------|--|------|---|------|
|   |      | 1985                    | 1990    | 1991    | 1992 |      | 1985                         | 1990   | 1991 | 1992 | 1985   | 1992 | 1985  | 1992 |
| 311/2 Food Products                       |      | 131 1a/                 | 171 4   | 415 0   |      |      | 36 9                         | 92 6   |      |      |  |      |   |      |
| 313 Beverages                             |      | a/                      | 38 4    | 107 3   |      |      | 14 4                         | 32 9   |      |      |  |      |   |      |
| 314 Tobacco                               |      | a/                      | 13 9    | 19 4    |      |      | 9 3                          | 9 7    |      |      |  |      |   |      |
| 321 Textiles                              |      | 76 4                    | 78 3    | 217 4   |      |      | 32 6                         | 63 2   |      |      |  |      |   |      |
| 322 Wearing apparel, except footwear      |      | 42 9                    | 36 5    | 66 1    |      |      | 15 6                         | 23 1   |      |      |  |      |   |      |
| 323 Leather and fur products              |      | 25 8b/                  | 3 7     | 5 9     |      |      | 1 6                          | 2 4    |      |      |  |      |   |      |
| 324 Footwear, except rubber or plastic    |      | b/                      | 20 0    | 48 1    |      |      | 6 2                          | 16 7   |      |      |  |      |   |      |
| 331 Wood products, except furniture       |      | 39 4c/                  | 20 0    | 53 1    |      |      | 8 9                          | 23 4   |      |      |  |      |   |      |
| 332 Furniture and fixtures, excl metal    |      | c/                      | 19 9    | 52 5    |      |      | 7 2                          | 18 8   |      |      |  |      |   |      |
| 341 Paper and products                    |      | 15 3                    | 13 5    | 39 5    |      |      | 3 8                          | 12 1   |      |      |  |      |   |      |
| 342 Printing and publishing               |      | 3 1                     | 6 8     | 17 1    |      |      | 3 2                          | 4 2    |      |      |  |      |   |      |
| 351 Industrial chemicals                  |      | 121 0d/                 | 28 5    | 88 1    |      |      | 2 6                          | 17 9   |      |      |  |      |   |      |
| 352 Other chemicals                       |      | d/                      | 45 1    | 119 2   |      |      | 9 9                          | 27 3   |      |      |  |      |   |      |
| 353 Petroleum refineries                  |      | 66 2                    | 71 4    | 160 6   |      |      | -3 0                         | 22 6   |      |      |  |      |   |      |
| 354 Misc petroleum and coal products      |      |                         | 8 7     | 22 4    |      |      | 0 6                          | 2 9    |      |      |  |      |   |      |
| 355 Rubber products                       |      | d/                      | 10 5    | 28 5    |      |      | 2 9                          | 9 1    |      |      |  |      |   |      |
| 356 Plastic products                      |      | d/                      | 26 7    | 59 9    |      |      | 8 9                          | 17 8   |      |      |  |      |   |      |
| 361 Pottery, china, earthenware           |      | 9 2e/                   | 38 4    | 117 6   |      |      | 12 8                         | 38 1   |      |      |  |      |   |      |
| 362 Glass and products                    |      | e/                      | 6 5     | 16 8    |      |      | 2 7                          | 6 1    |      |      |  |      |   |      |
| 369 Other non-metallic mineral products   |      | 3 3                     | 3 0     | 8 2     |      |      | 0 9                          | 1 9    |      |      |  |      |   |      |
| 371 Iron and steel                        |      | 18 7                    | 74 1    | 202 5   |      |      | 14 7                         | 42 4   |      |      |  |      |   |      |
| 372 Non-ferrous metals                    |      | 31 0                    | 22 2    | 67 7    |      |      | 0 6                          | 9 9    |      |      |  |      |   |      |
| 381 Fabricated metal products             |      | 46 9                    | 51 7    | 106 4   |      |      | 19 6                         | 36 1   |      |      |  |      |   |      |
| 382 Non-electrical machinery              |      | 296 6f/                 | 136 9g/ | 269 1g/ |      |      | 54 6g/                       | 79 2g/ |      |      |  |      |   |      |
| 383 Electrical machinery                  |      | f/                      | 67 2    | 132 8   |      |      | 27 1                         | 42 2   |      |      |  |      |   |      |
| 384 Transport equipment                   |      | f/                      | 56 5    | 186 3   |      |      | 16 9                         | 43 6   |      |      |  |      |   |      |
| 385 Professional and scientific equipment |      | f/                      | g/      | g/      |      |      | g/                           | g/     |      |      |  |      |   |      |
| 390 Other manufacturing industries        |      |                         | 9 5     | 20 6    |      |      | 4 8                          | 8 1    |      |      |  |      |   |      |
| 3 Total manufacturing                     |      | 926 9                   | 1079 3  | 2627 1  |      |      | 317 0                        | 704 1  |      |      |  |      |   |      |

a/ 311/2 includes 313 and 314  
c/ 331 includes 332  
e/ 361 includes 362  
g/ 382 includes 385

b/ 323 includes 324  
d/ 351 includes 352, 355 and 356  
f/ 382 includes 383, 384 and 385

Romania

| ISIC Industry                             | Note | Gross fixed capital formation |         |         |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|---------|---------|------|------|--|------|------|------|------|------|------|------|
|   |      | (million Lei)                 |         |         |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990    | 1991    | 1992 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      | 5890a/                        | 4584a/  | 12549a/ |      | 107  | 108                                    | 113  | 121  | 121  | 121  | 106  | 88   | 73   |
| 313 Beverages                             |      | a/                            | a/      | a/      | a/b/ |      |  |      |      |      |      |      |      |      |
| 314 Tobacco                               |      | a/                            | a/      | a/      | a/   |      |  |      |      |      |      |      |      |      |
| 321 Textiles                              |      | 1593                          | 2169    | 6581    |      | 110  | 114                                    | 121  | 123  | 125  | 124  | 106  | 92   | 66   |
| 322 Wearing apparel, except footwear      |      | 613                           | 654     | 2682    |      | 125  | 145                                    | 157  | 155  | 165  | 170  | 137  | 128  | 90   |
| 323 Leather and fur products              |      | 322c/                         | 522c/   | 1124c/  | c/   | 127  | 131                                    | 141  | 142  | 141  | 146  | 129  | 113  | 81   |
| 324 Footwear, except rubber or plastic    |      | c/                            | c/      | c/      | c/   |      |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      | 2750d/                        | 1640d/  | 4993d/  | d/   | 112  | 114                                    | 118  | 119  | 126  | 129  | 101  | 81   | 66   |
| 332 Furniture and fixtures, excl metal    |      | d/                            | d/      | d/      | d/   |      |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      | 1546                          | 483     | 1441    |      | 109  | 111                                    | 125  | 121  | 126  | 129  | 92   | 64   | 48   |
| 342 Printing and publishing               |      | 94                            | 89      | 637     | e/   | 99   | 115                                    | 108  | 108  | 109  | 107  | 91   | 75   | 76   |
| 351 Industrial chemicals                  |      | 11340f/                       | 4895f/  | 10033f/ |      | 120  | 121                                    | 130  | 125  | 129  | 125  | 99   | 64   | 56   |
| 352 Other chemicals                       |      | 68                            | 49      | 247     |      | 92   | 99                                     | 105  | 109  | 109  | 120  | 111  |      |      |
| 353 Petroleum refineries                  | g/   | 12621                         | 8647    | 23419   |      | 101  | 102                                    | 112  | 123  | 131  | 129  | 99   | 63   | 66   |
| 354 Misc petroleum and coal products      |      | 1178                          | 292     | 140     |      | 149  | 143                                    | 151  | 164  | 161  | 168  | 113  |      |      |
| 355 Rubber products                       |      | f/                            | f/      | f/      |      |      |  |      |      |      |      |      |      |      |
| 356 Plastic products                      |      | f/                            | f/      | f/      |      |      |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      | 339h/                         | 331h/   | 1864h/  | h/   | 122  | 125                                    | 132  | 137  | 144  | 151  | 125  |      |      |
| 362 Glass and products                    |      | h/                            | h/      | h/      | h/   |      |  |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      | 2184                          | 1630    | 2460    | i/   | 110  | 108                                    | 121  | 126  | 131  | 133  | 101  | 77   | 53   |
| 371 Iron and steel                        |      | 7738j/                        | 3823j/  | 7637j/  |      | 119  | 117                                    | 127  | 121  | 126  | 121  | 96   | 70   | 49   |
| 372 Non-ferrous metals                    |      | 4103j/                        | 2896j/  | 4601j/  |      |      |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      | 23900k/                       | 13618k/ | 20631k/ |      | 125  | 137                                    | 155  | 161  | 164  | 162  | 110  | 96   | 68   |
| 382 Non-electrical machinery              |      | k/                            | k/      | k/      |      | 121  | 129                                    | 134  | 137  | 141  | 127  | 124  | 89   | 66   |
| 383 Electrical machinery                  |      | k/                            | k/      | k/      |      | 107  | 118                                    | 129  | 139  | 144  | 138  | 162  | 114  | 75   |
| 384 Transport equipment                   |      | k/                            | k/      | k/      |      |      |  |      |      |      |      |      |      |      |
| 385 Professional and scientific equipment |      | k/                            | k/      | k/      |      |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      | 1397                          | 1671    | 9232    |      |      |  |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      | 77676                         | 47993   | 110251  |      |      |  |      |      |      |      |      |      |      |

a/ 311/2 includes 313 and 314  
 c/ 323 includes 324  
 e/ Excluding publishing  
 g/ Including mining of crude petroleum  
 i/ Including stone quarrying, clay and sand pits  
 k/ 381 includes 382, 383, 384 and 385

b/ Including salt mining.  
 d/ 331 includes 332  
 f/ 351 includes 355 and 356  
 h/ 361 includes 362  
 j/ Part of major group 230 is included in 371 and part in 372

## RUSSIAN FEDERATION

**Supplier of information:**

Russian Federation State Committee on Statistics, Moscow.

**Basic source of data:**

Not reported.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

All enterprises having independent financial accounts.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

No deviations from the standard UN concepts and definitions are reported.

**Related national publications:**

## Russian Federation

| ISIC Industry                             | Note | Number of enterprises<br>(numbers) |      |       |       | Note | Number of employees<br>(thousands) |      |      |      | Note | Wages and salaries paid to employees<br>(million ROUBLES) |      |      |      |  |
|---|------|------------------------------------|------|-------|-------|------|------------------------------------|------|------|------|------|---|------|------|------|--|
|   |      | 1985                               | 1990 | 1991  | 1992  |      | 1985                               | 1990 | 1991 | 1992 |      | 1985  | 1990 | 1991 | 1992 |  |
| 311/2 Food Products                       |      |                                    |      | 5572  | 5836  |      |                                    |      |      |      |      |   |      |      |      |  |
| 313 Beverages                             |      |                                    |      | 811   | 620   |      |                                    |      |      |      |      |   |      |      |      |  |
| 314 Tobacco                               |      |                                    |      | 28    | 27    |      |                                    |      |      |      |      |   |      |      |      |  |
| 321 Textiles                              |      |                                    |      | 1156  | 1073  |      |                                    |      |      |      |      |   |      |      |      |  |
| 322 Wearing apparel, except footwear      |      |                                    |      | 3024  | 964   |      |                                    |      |      |      |      |   |      |      |      |  |
| 323 Leather and fur products              |      |                                    |      | 167   | 163   |      |                                    |      |      |      |      |   |      |      |      |  |
| 324 Footwear, except rubber or plastic    |      |                                    |      | 225   | 171   |      |                                    |      |      |      |      |   |      |      |      |  |
| 331 Wood products, except furniture       |      |                                    |      | 1037  | 1685  |      |                                    |      |      |      |      |   |      |      |      |  |
| 332 Furniture and fixtures, excl metal    |      |                                    |      | 581   | 843   |      |                                    |      |      |      |      |   |      |      |      |  |
| 341 Paper and products                    |      |                                    |      | 158   | 171   |      |                                    |      |      |      |      |   |      |      |      |  |
| 342 Printing and publishing               |      |                                    |      | 1601  | 1685  |      |                                    |      |      |      |      |   |      |      |      |  |
| 351 Industrial chemicals                  |      |                                    |      | 816   | 843   |      |                                    |      |      |      |      |   |      |      |      |  |
| 352 Other chemicals                       |      |                                    |      | 262   | 267   |      |                                    |      |      |      |      |   |      |      |      |  |
| 353 Petroleum refineries                  |      |                                    |      | 41    | 42    |      |                                    |      |      |      |      |   |      |      |      |  |
| 354 Misc petroleum and coal products      |      |                                    |      | 53    | 60    |      |                                    |      |      |      |      |   |      |      |      |  |
| 355 Rubber products                       |      |                                    |      | 98    | 100   |      |                                    |      |      |      |      |   |      |      |      |  |
| 356 Plastic products                      |      |                                    |      | 95    | 99    |      |                                    |      |      |      |      |   |      |      |      |  |
| 361 Pottery, china, earthenware           |      |                                    |      | 40    | 38    |      |                                    |      |      |      |      |   |      |      |      |  |
| 362 Glass and products                    |      |                                    |      | 131   | 133   |      |                                    |      |      |      |      |   |      |      |      |  |
| 369 Other non-metallic mineral products   |      |                                    |      | 1905  | 2053  |      |                                    |      |      |      |      |   |      |      |      |  |
| 371 Iron and steel                        |      |                                    |      |       |       |      |                                    |      |      |      |      |   |      |      |      |  |
| 372 Non-ferrous metals                    |      |                                    |      | 105   | 117   |      |                                    |      |      |      |      |   |      |      |      |  |
| 381 Fabricated metal products             |      |                                    |      | 1908  | 1952  |      |                                    |      |      |      |      |   |      |      |      |  |
| 382 Non-electrical machinery              |      |                                    |      |       |       |      |                                    |      |      |      |      |   |      |      |      |  |
| 383 Electrical machinery                  |      |                                    |      |       |       |      |                                    |      |      |      |      |   |      |      |      |  |
| 384 Transport equipment                   |      |                                    |      |       |       |      |                                    |      |      |      |      |   |      |      |      |  |
| 385 Professional and scientific equipment |      |                                    |      | 3295  | 2650  |      |                                    |      |      |      |      |   |      |      |      |  |
| 390 Other manufacturing industries        |      |                                    |      |       |       |      |                                    |      |      |      |      |   |      |      |      |  |
| 3 Total manufacturing                     | a/   |                                    |      | 22911 | 21592 |      |                                    |      |      |      |      |   |      |      |      |  |

a/ Sum of available data



## Russian Federation

| ISIC Industry                             | Note | Output in producers' prices |      |       |         | Note | Value added       |      |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-----------------------------|------|-------|---------|------|-------------------|------|------|------|--------------------------------|------|--|------|
|   |      | (billion ROUBLES)           |      |       |         |      | (billion ROUBLES) |      |      |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                        | 1990 | 1991  | 1992    |      | 1985              | 1990 | 1991 | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       |      |                             |      | 175.9 | 1856.2  |      |                   |      |      |      |                                |      |  |      |
| 313 Beverages                             |      |                             |      | 13.4  | 137.3   |      |                   |      |      |      |                                |      |  |      |
| 314 Tobacco                               |      |                             |      | 2.5   | 41.9    |      |                   |      |      |      |                                |      |  |      |
| 321 Textiles                              |      |                             |      | 138.1 | 858.5   |      |                   |      |      |      |                                |      |  |      |
| 322 wearing apparel, except footwear      |      |                             |      | 37.2  | 182.2   |      |                   |      |      |      |                                |      |  |      |
| 323 Leather and fur products              |      |                             |      | 8.3   | 55.0    |      |                   |      |      |      |                                |      |  |      |
| 324 Footwear, except rubber or plastic    |      |                             |      | 8.4   | 77.9    |      |                   |      |      |      |                                |      |  |      |
| 331 Wood products, except furniture       |      |                             |      | 16.5  | 191.4   |      |                   |      |      |      |                                |      |  |      |
| 332 Furniture and fixtures, excl metal    |      |                             |      | 12.6  | 112.3   |      |                   |      |      |      |                                |      |  |      |
| 341 Paper and products                    |      |                             |      | 18.2  | 222.5   |      |                   |      |      |      |                                |      |  |      |
| 342 Printing and publishing               |      |                             |      | 3.6   | 30.3    |      |                   |      |      |      |                                |      |  |      |
| 351 Industrial chemicals                  |      |                             |      | 125.4 | 2775.2  |      |                   |      |      |      |                                |      |  |      |
| 352 Other chemicals                       |      |                             |      | 22.3  | 211.1   |      |                   |      |      |      |                                |      |  |      |
| 353 Petroleum refineries                  |      |                             |      | 28.6  | 1182.0  |      |                   |      |      |      |                                |      |  |      |
| 354 Misc petroleum and coal products      |      |                             |      |       |         |      |                   |      |      |      |                                |      |  |      |
| 355 Rubber products                       |      |                             |      | 12.6  | 225.6   |      |                   |      |      |      |                                |      |  |      |
| 356 Plastic products                      |      |                             |      | 2.8   | 38.1    |      |                   |      |      |      |                                |      |  |      |
| 361 Pottery, china, earthenware           |      |                             |      | 0.9   | 11.8    |      |                   |      |      |      |                                |      |  |      |
| 362 Glass and products                    |      |                             |      | 4.3   | 59.2    |      |                   |      |      |      |                                |      |  |      |
| 369 Other non-metallic mineral products   |      |                             |      | 40.1  | 506.9   |      |                   |      |      |      |                                |      |  |      |
| 371 Iron and steel                        |      |                             |      |       |         |      |                   |      |      |      |                                |      |  |      |
| 372 Non-ferrous metals                    |      |                             |      | 56.0  | 1101.3  |      |                   |      |      |      |                                |      |  |      |
| 381 Fabricated metal products             |      |                             |      |       |         |      |                   |      |      |      |                                |      |  |      |
| 382 Non-electrical machinery              |      |                             |      |       |         |      |                   |      |      |      |                                |      |  |      |
| 383 Electrical machinery                  |      |                             |      |       |         |      |                   |      |      |      |                                |      |  |      |
| 384 Transport equipment                   |      |                             |      |       |         |      |                   |      |      |      |                                |      |  |      |
| 385 Professional and scientific equipment |      |                             |      |       |         |      |                   |      |      |      |                                |      |  |      |
| 390 Other manufacturing industries        |      |                             |      | 31.4  | 337.1   |      |                   |      |      |      |                                |      |  |      |
| 3 Total manufacturing                     | a/   |                             |      | 759.2 | 10213.8 |      |                   |      |      |      |                                |      |  |      |

a/ Sum of available data

Russian Federation

| ISIC Industry                             | Gross fixed capital formation |                   |      |      | Index numbers of industrial production |      |            |      |      |      |      |      |      |      |      |  |
|---|-------------------------------|-------------------|------|------|--|------|------------|------|------|------|------|------|------|------|------|--|
|   | Note                          | (million ROUBLES) |      |      |  | Note | (1980=100) |      |      |      |      |      |      |      |      |  |
|   |                               | 1985              | 1990 | 1991 | 1992                                   |      | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |  |
| 311/2 Food Products                       |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 313 Beverages                             |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 314 Tobacco                               |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 321 Textiles                              |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 322 Wearing apparel, except footwear      |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 323 Leather and fur products              |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 324 Footwear, except rubber or plastic    |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 331 Wood products, except furniture       |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 332 Furniture and fixtures, excl metal    |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 341 Paper and products                    |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 342 Printing and publishing               |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 351 Industrial chemicals                  |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 352 Other chemicals                       |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 353 Petroleum refineries                  |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 354 Misc petroleum and coal products      |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 355 Rubber products                       |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 356 Plastic products                      |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 361 Pottery, china, earthenware           |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 362 Glass and products                    |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 369 Other non-metallic mineral products   |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 371 Iron and steel                        |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 372 Non-ferrous metals                    |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 381 Fabricated metal products             |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 382 Non-electrical machinery              |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 383 Electrical machinery                  |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 384 Transport equipment                   |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 385 Professional and scientific equipment |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 390 Other manufacturing industries        |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |
| 3 Total manufacturing                     |                               | ...               | ...  | ...  | ...                                    | ...  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |      |  |

## SAUDI ARABIA

**Supplier of information:**

Saudi Arabian Government.

**Basic source of data:**

Industrial Statistics Bulletin.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):**

**Scope:**

All licensed and producing factories.

**Method of enumeration:**

The inquiry is based on a complete enumeration.

**Adjusted for non-response:**

Response rate = 100 per cent.

**Concepts and definitions of variables:**

No deviations from the standard UN concepts and definitions are reported.

**Related national publications:**

Industrial Statistics Bulletin.

Saudi Arabia

| ISIC Industry                             | Number of establishments |           |      |      | Number of employees |      |           |      | Wages and salaries paid to employees |         |      |                  |      |      |      |
|---|--------------------------|-----------|------|------|---------------------|------|-----------|------|--------------------------------------|---------|------|------------------|------|------|------|
|   | Note                     | (numbers) |      |      |                     | Note | (numbers) |      |                                      |         | Note | (million RIYALS) |      |      |      |
|   |                          | 1985      | 1990 | 1991 | 1992                |      | 1985      | 1990 | 1991                                 | 1992    |      | 1985             | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |                          | ...       | ...  | ...  | 319a/               |      | ...       | ...  | ...                                  | 24249a/ |      | ...              | ...  | ...  | ...  |
| 313 Beverages                             |                          | ...       | ...  | ...  | ...a/               |      | ...       | ...  | ...                                  | ...a/   |      | ...              | ...  | ...  | ...  |
| 314 Tobacco                               |                          | ...       | ...  | ...  | ...a/               |      | ...       | ...  | ...                                  | ...a/   |      | ...              | ...  | ...  | ...  |
| 321 Textiles                              |                          | ...       | ...  | ...  | 70b/                |      | ...       | ...  | ...                                  | 7872b/  |      | ...              | ...  | ...  | ...  |
| 322 Wearing apparel, except footwear      |                          | ...       | ...  | ...  | ...b/               |      | ...       | ...  | ...                                  | ...b/   |      | ...              | ...  | ...  | ...  |
| 323 Leather and fur products              |                          | ...       | ...  | ...  | ...b/               |      | ...       | ...  | ...                                  | ...b/   |      | ...              | ...  | ...  | ...  |
| 324 Footwear, except rubber or plastic    |                          | ...       | ...  | ...  | ...b/               |      | ...       | ...  | ...                                  | ...b/   |      | ...              | ...  | ...  | ...  |
| 331 Wood products, except furniture       |                          | ...       | ...  | ...  | 88c/                |      | ...       | ...  | ...                                  | 7066c/  |      | ...              | ...  | ...  | ...  |
| 332 Furniture and fixtures, excl. metal   |                          | ...       | ...  | ...  | ...c/               |      | ...       | ...  | ...                                  | ...c/   |      | ...              | ...  | ...  | ...  |
| 341 Paper and products                    |                          | ...       | ...  | ...  | 141d/               |      | ...       | ...  | ...                                  | 9860d/  |      | ...              | ...  | ...  | ...  |
| 342 Printing and publishing               |                          | ...       | ...  | ...  | ...d/               |      | ...       | ...  | ...                                  | ...d/   |      | ...              | ...  | ...  | ...  |
| 351 Industrial chemicals                  |                          | ...       | ...  | ...  | 342e/               |      | ...       | ...  | ...                                  | 30869e/ |      | ...              | ...  | ...  | ...  |
| 352 Other chemicals                       |                          | ...       | ...  | ...  | ...e/               |      | ...       | ...  | ...                                  | ...e/   |      | ...              | ...  | ...  | ...  |
| 353 Petroleum refineries                  |                          | ...       | ...  | ...  | ...e/               |      | ...       | ...  | ...                                  | ...e/f/ |      | ...              | ...  | ...  | ...  |
| 354 Misc. petroleum and coal products     |                          | ...       | ...  | ...  | ...e/               |      | ...       | ...  | ...                                  | ...e/   |      | ...              | ...  | ...  | ...  |
| 355 Rubber products                       |                          | ...       | ...  | ...  | ...e/               |      | ...       | ...  | ...                                  | ...e/   |      | ...              | ...  | ...  | ...  |
| 356 Plastic products                      |                          | ...       | ...  | ...  | ...e/               |      | ...       | ...  | ...                                  | ...e/   |      | ...              | ...  | ...  | ...  |
| 361 Pottery, china, earthenware           |                          | ...       | ...  | ...  | 409g/               |      | ...       | ...  | ...                                  | 34447g/ |      | ...              | ...  | ...  | ...  |
| 362 Glass and products                    |                          | ...       | ...  | ...  | ...g/               |      | ...       | ...  | ...                                  | ...g/   |      | ...              | ...  | ...  | ...  |
| 369 Other non-metallic mineral products   |                          | ...       | ...  | ...  | ...g/               |      | ...       | ...  | ...                                  | ...g/   |      | ...              | ...  | ...  | ...  |
| 371 Iron and steel                        |                          | ...       | ...  | ...  | 8h/                 |      | ...       | ...  | ...                                  | 3082h/  |      | ...              | ...  | ...  | ...  |
| 372 Non-ferrous metals                    |                          | ...       | ...  | ...  | ...h/               |      | ...       | ...  | ...                                  | ...h/   |      | ...              | ...  | ...  | ...  |
| 381 Fabricated metal products             |                          | ...       | ...  | ...  | 586i/               |      | ...       | ...  | ...                                  | 43238i/ |      | ...              | ...  | ...  | ...  |
| 382 Non-electrical machinery              |                          | ...       | ...  | ...  | ...i/               |      | ...       | ...  | ...                                  | ...i/   |      | ...              | ...  | ...  | ...  |
| 383 Electrical machinery                  |                          | ...       | ...  | ...  | ...i/               |      | ...       | ...  | ...                                  | ...i/   |      | ...              | ...  | ...  | ...  |
| 384 Transport equipment                   |                          | ...       | ...  | ...  | ...i/               |      | ...       | ...  | ...                                  | ...i/   |      | ...              | ...  | ...  | ...  |
| 385 Professional and scientific equipment |                          | ...       | ...  | ...  | ...i/               |      | ...       | ...  | ...                                  | ...i/   |      | ...              | ...  | ...  | ...  |
| 390 Other manufacturing industries        |                          | ...       | ...  | ...  | 73                  |      | ...       | ...  | ...                                  | 5048    |      | ...              | ...  | ...  | ...  |
| 3 Total manufacturing                     |                          | ...       | ...  | ...  | 2036                |      | ...       | ...  | ...                                  | 174731  |      | ...              | ...  | ...  | ...  |

a/ 311/2 includes 313 and 314

c/ 331 includes 332

e/ 351 includes 352, 353, 354, 355 and 356

g/ 361 includes 362 and 369

i/ 381 includes 382, 383, 384 and 385

b/ 321 includes 322, 323 and 324

d/ 341 includes 342

f/ Data refer to joint-venture with foreign enterprises only

h/ 371 includes 372

## SENEGAL

**Supplier of information:**

Direction de la statistique, Ministère de l'économie et des finances, Dakar.

**Basic source of data:**

Survey of industrial activities.

**Major deviations from current version of ISIC:**

Data collected under the national classification system have been reclassified by the national authorities to achieve the best possible correspondence with the current version of the ISIC. Lack of detail in national data, however, results in several cases where correspondence with the ISIC cannot be achieved.

It should be noted that the data for food products (ISIC 311/2) excludes the processing of fish.

**Reference period (if not calendar year):****Scope:**

All establishments excluding handicrafts.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of employees and number of persons engaged cover regular and seasonal workers.

Output represents the total value of turnover adjusted for changes in the value of stocks of finished goods and work in progress.

Value added is the balance remaining from output after deduction of the value of purchases of goods and services, adjusted for the net change in stocks of inputs.

**Related national publications:**

Comptes économiques (annual) published by the Direction de la statistique, Ministère de l'économie et des finances, Dakar.

## Senegal

| ISIC Industry                             | Number of establishments |           |       |       | Number of employees |      |           |         | Wages and salaries paid to employees |        |      |                      |         |         |       |
|---|--------------------------|-----------|-------|-------|---------------------|------|-----------|---------|--------------------------------------|--------|------|----------------------|---------|---------|-------|
|   | Note                     | (numbers) |       |       |                     | Note | (numbers) |         |                                      |        | Note | (million CFA FRANCS) |         |         |       |
|   |                          | 1985      | 1987  | 1988  | 1989                |      | 1985      | 1987    | 1988                                 | 1989a/ |      | 1985                 | 1987    | 1988    | 1989  |
| 311/2 Food Products                       |                          | 115b/     | 108b/ | 112b/ | 113                 |      | 15000c/   | 15000c/ | 14000c/                              | 21094  |      | 21171b/              | 21139b/ | 21409b/ | 24520 |
| 313 Beverages                             |                          | b/        | b/    | b/    | 5                   |      | c/        | c/      | c/                                   | 545    |      | b/                   | b/      | b/      | 1143  |
| 314 Tobacco                               |                          | b/        | b/    | b/    | 2                   |      |           |         |                                      | 404    |      | b/                   | b/      | b/      | 1026  |
| 321 Textiles                              |                          | 23d/      | 21d/  | 18d/  | 18                  | d/   | 5000      | 4000    | 4000                                 | 4509   | d/   | 5580                 | 5575    | 4557    | 5241  |
| 322 Wearing apparel, except footwear      |                          | d/        | d/    | d/    | 5                   | d/   |           |         |                                      |        | d/   |                      |         |         |       |
| 323 Leather and fur products              |                          | d/        | d/    | d/    | 1                   | d/   |           |         |                                      |        | d/   |                      |         |         |       |
| 324 Footwear, except rubber or plastic    |                          | d/        | d/    | d/    | 2                   | d/   |           |         |                                      |        | d/   |                      |         |         |       |
| 331 Wood products, except furniture       |                          |           |       |       | 3                   |      |           |         |                                      | 88     |      |                      |         |         | 117   |
| 332 Furniture and fixtures, excl. metal   |                          |           |       |       | 5                   |      |           |         |                                      | 54     |      |                      |         |         | 46    |
| 341 Paper and products                    |                          |           |       |       | 6                   |      |           |         |                                      | 238    |      |                      |         |         | 498   |
| 342 Printing and publishing               |                          |           |       |       | 19                  |      |           |         |                                      | 799    |      |                      |         |         | 1289  |
| 351 Industrial chemicals                  |                          |           |       |       | 14                  |      |           |         |                                      | 1372   |      |                      |         |         | 3012  |
| 352 Other chemicals                       |                          |           |       |       | 18                  |      |           |         |                                      | 1655   |      |                      |         |         | 2656  |
| 353 Petroleum refineries                  |                          |           |       |       | 1                   |      |           |         |                                      | 377    |      |                      |         |         | 1181  |
| 354 Misc. petroleum and coal products     |                          |           |       |       | -                   |      |           |         |                                      | -      |      |                      |         |         | -     |
| 355 Rubber products                       |                          |           |       |       | 1                   |      |           |         |                                      | 16     |      |                      |         |         | 13    |
| 356 Plastic products                      |                          |           |       |       | 14                  |      |           |         |                                      | 872    |      |                      |         |         | 977   |
| 361 Pottery, china, earthenware           |                          |           |       |       | -                   |      |           |         |                                      | -      |      |                      |         |         | -     |
| 362 Glass and products                    |                          |           |       |       | -                   |      |           |         |                                      | -      |      |                      |         |         | -     |
| 369 Other non-metallic mineral products   |                          |           |       |       | 4                   |      |           |         |                                      | 504    |      |                      |         |         | 1419  |
| 371 Iron and steel                        |                          |           |       |       | -                   |      |           |         |                                      | -      |      |                      |         |         | -     |
| 372 Non-ferrous metals                    |                          |           |       |       | -                   |      |           |         |                                      | -      |      |                      |         |         | -     |
| 381 Fabricated metal products             |                          |           |       |       | 18                  |      |           |         |                                      | 916    |      |                      |         |         | 1654  |
| 382 Non-electrical machinery              |                          |           |       |       | 1                   |      |           |         |                                      | 283    |      |                      |         |         | 340   |
| 383 Electrical machinery                  |                          |           |       |       | 3                   |      |           |         |                                      | 283    |      |                      |         |         | 472   |
| 384 Transport equipment                   |                          |           |       |       | 15                  |      |           |         |                                      | 1368   |      |                      |         |         | 2711  |
| 385 Professional and scientific equipment |                          |           |       |       | -                   |      |           |         |                                      | -      |      |                      |         |         | -     |
| 390 Other manufacturing industries        |                          | 135e/     | 121e/ | 117e/ | 4                   |      | 10000e/   | 8000e/  | 7000e/                               | 421    |      | 16619e/              | 16562e/ | 17737e/ | 1041  |
| 3 Total manufacturing                     |                          | 273       | 250   | 247   | 273                 |      | 30000     | 27000   | 25000                                | 35907  |      | 44370                | 44276   | 43703   | 49356 |

a/ Number of persons engaged

c/ 311/2 includes 313

e/ Manufacturing industries other than those for which separate data are shown

b/ 311/2 includes 313 and 314

d/ 321 includes 322, 323 and 324

## Senegal

| ISIC Industry                             | Note | Output in producers' prices<br>(million CFA FRANCS) |          |          |          | Note | Value added in producers' prices<br>(million CFA FRANCS) |         |         |         | Share of<br>value added<br>in output<br>(percentage) |      | Share of<br>wages and<br>salaries in<br>value added<br>(percentage) |      |
|---|------|---|----------|----------|----------|------|--|---------|---------|---------|--|------|---|------|
|   |      | 1985  | 1987     | 1988     | 1989     |      | 1985   | 1987    | 1988    | 1989    | 1985   | 1989 | 1985  | 1989 |
|   |      | 311/2 Food Products                                 | 191156a/ | 192959a/ | 197370a/ |      | 208858   | 52131a/ | 60926a/ | 63387a/ | 63106  | 27.3 | 26.6  | 40.6 |
| 313 Beverages                             | a/   | a/  | a/       | 8587     | a/       | a/   | a/   | 4534    |         | 52.9    |  | 25.2 |   |      |
| 314 Tobacco                               | a/   | a/  | a/       | 9482     | a/       | a/   | a/   | 2687    |         | 28.3    |  | 38.1 |   |      |
| 321 Textiles                              | b/   | 48052   | 34036    | 26599    | 28853    | b/   | 15807  | 8406    | 3853    | 4443    | 32.9   | 16.4 | 41.6  |      |
| 322 Wearing apparel, except footwear      | b/   |   |          |          |          | b/   |  |         |         |         |  |      |   |      |
| 323 Leather and fur products              | b/   |   |          |          |          | b/   |  |         |         |         |  |      |   |      |
| 324 Footwear, except rubber or plastic    | b/   |   |          |          |          | b/   |  |         |         |         |  |      |   |      |
| 331 Wood products, except furniture       |      |   |          |          | 731      |      |  |         | 2580    |         |  | 4.6  |   |      |
| 332 Furniture and fixtures, excl metal    |      |   |          |          | 211      |      |  |         | 32      |         | 16.2   |      |   |      |
| 341 Paper and products                    |      |   |          |          | 4428     |      |  |         | 988     |         | 22.3   | 60.6 |   |      |
| 342 Printing and publishing               |      |   |          |          | 8612     |      |  |         | 2611    |         | 30.3   | 49.4 |   |      |
| 351 Industrial chemicals                  |      |   |          |          | 38129    |      |  |         | 3489    |         | 9.2  | 86.3 |   |      |
| 352 Other chemicals                       |      |   |          |          | 22009    |      |  |         | 6447    |         | 29.3   | 41.2 |   |      |
| 353 Petroleum refineries                  |      |   |          |          | 32156    |      |  |         | -5115   |         |  |      |   |      |
| 354 Misc petroleum and coal products      |      |   |          |          | -        |      |  |         | -       |         |  |      |   |      |
| 355 Rubber products                       |      |   |          |          | 29       |      |  |         | -2      |         |  |      |   |      |
| 356 Plastic products                      |      |   |          |          | 8318     |      |  |         | 1913    |         | 23.3   | 61.1 |   |      |
| 361 Pottery, china, earthenware           |      |   |          |          | -        |      |  |         | -       |         |  |      |   |      |
| 362 Glass and products                    |      |   |          |          | -        |      |  |         | -       |         |  |      |   |      |
| 369 Other non-metallic mineral products   |      |   |          |          | 16346    |      |  |         | 7261    |         | 47.3   | 19.6 |   |      |
| 371 Iron and steel                        |      |   |          |          | -        |      |  |         | -       |         |  |      |   |      |
| 372 Non-ferrous metals                    |      |   |          |          | -        |      |  |         | -       |         |  |      |   |      |
| 381 Fabricated metal products             |      |   |          |          | 10073    |      |  |         | 3316    |         | 33.1   | 49.9 |   |      |
| 382 Non-electrical machinery              |      |   |          |          | 1494     |      |  |         | 522     |         | 34.9   | 66.1 |   |      |
| 383 Electrical machinery                  |      |   |          |          | 3854     |      |  |         | 490     |         | 12.7   | 96.3 |   |      |
| 384 Transport equipment                   |      |   |          |          | 8741     |      |  |         | 2932    |         | 33.6   | 92.6 |   |      |
| 386 Professional and scientific equipment |      |   |          |          | -        |      |  |         | -       |         |  |      |   |      |
| 390 Other manufacturing industries        |      | 176666c/  | 192180c/ | 201796c/ | 9523     |      | 52479c/  | 78730c/ | 86164c/ | 208     | 29.7   | 2.2  | 31.7  |      |
| J Total manufacturing                     |      | 415874  | 419175   | 425764   | 419163   |      | 120417   | 148061  | 153404  | 92440   | 29.0   | 22.1 | 36.8 63.4   |      |

a/ 311/2 includes 313 and 314

c/ Manufacturing industries other than those for which separate data are shown

b/ 321 includes 322, 323 and 324

## Senegal

## Gross fixed capital formation

(million CFA FRANCS)

| ISIC Industry                             | Note | 1985    | 1987   | 1988    | 1989  |
|---|------|---------|--------|---------|-------|
| 311/2 Food Products                       |      | 17416a/ | 9998a/ | 21480a/ | 11477 |
| 313 Beverages                             |      | a/      | a/     | a/      | 1493  |
| 314 Tobacco                               |      | a/      | a/     | a/      | 262   |
| 321 Textiles                              | b/   | 2253    | 15548  | 2328    | 1848  |
| 322 wearing apparel, except footwear      | b/   |         |        |         |       |
| 323 leather and fur products              | b/   |         |        |         |       |
| 324 Footwear, except rubber or plastic    | b/   |         |        |         |       |
| 331 wood products, except furniture       |      |         |        |         | 17    |
| 332 Furniture and fixtures, excl metal    |      |         |        |         | 6     |
| 341 Paper and products                    |      |         |        |         | 57    |
| 342 Printing and publishing               |      |         |        |         | 560   |
| 351 Industrial chemicals                  |      |         |        |         | 3674  |
| 352 Other chemicals                       |      |         |        |         | 1082  |
| 353 Petroleum refineries                  |      |         |        |         | 285   |
| 354 Misc petroleum and coal products      |      |         |        |         | -     |
| 355 Rubber products                       |      |         |        |         | -     |
| 356 Plastic products                      |      |         |        |         | 503   |
| 361 Pottery, china, earthenware           |      |         |        |         | -     |
| 362 Glass and products                    |      |         |        |         | -     |
| 369 Other non-metallic mineral products   |      |         |        |         | 446   |
| 371 Iron and steel                        |      |         |        |         | -     |
| 372 Non-ferrous metals                    |      |         |        |         | -     |
| 381 Fabricated metal products             |      |         |        |         | 51    |
| 382 Non-electrical machinery              |      |         |        |         | 51    |
| 383 Electrical machinery                  |      |         |        |         | 250   |
| 384 Transport equipment                   |      |         |        |         | -159  |
| 385 Professional and scientific equipment |      |         |        |         | -     |
| 390 Other manufacturing industries        |      | 4297d/  | 5849d/ | 6154d/  | 284   |
| 3 Total manufacturing                     |      | 23966   | 31395  | 29962   | 22176 |

a/ 311/2 includes 313 and 314  
 c/ 351 includes 352, 353, 354, 355 and 356

## Index numbers of industrial production

(1980=100)

| ISIC Industry                             | Note | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
|---|------|------|------|------|------|------|------|------|------|------|
| 311/2 Food Products                       |      | 108  | 89   | 74   | 122  | 159  | 141  | 145  | 84   | 120  |
| 313 Beverages                             |      | 72   | 78   | 53   | 75   | 81   | 79   | 80   | 72   | 77   |
| 314 Tobacco                               |      | 89   | 96   | 91   | 65   | 44   | 55   | 72   | 64   | 56   |
| 321 Textiles                              |      | 125  | 150  | 91   | 124  | 140  | 73   | 89   | 80   | 81   |
| 322 wearing apparel, except footwear      |      |      |      |      |      |      |      |      |      |      |
| 323 leather and fur products              |      |      |      |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      |      |      |      |      |      |      |      |      |      |
| 331 wood products, except furniture       |      | 91   | 85   | 73   | 94   | 53   | 48   | 59   | 75   | 74   |
| 332 Furniture and fixtures, excl metal    |      |      |      |      |      |      |      |      |      |      |
| 341 Paper and products                    |      | 118  | 101  | 149  | 100  | 99   | 101  | 109  | 109  | 90   |
| 342 Printing and publishing               |      |      |      |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      | 79   | 85   | 83   | 98   | 95   | 80   | 94   | 105  | 98   |
| 352 Other chemicals                       | c/   |      |      |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  | c/   |      |      |      |      |      |      |      |      |      |
| 354 Misc petroleum and coal products      | c/   |      |      |      |      |      |      |      |      |      |
| 355 Rubber products                       | c/   |      |      |      |      |      |      |      |      |      |
| 356 Plastic products                      | c/   |      |      |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      |      |      |      |      |      |      |      |      |      |
| 362 Glass and products                    |      |      |      |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      | 124  | 101  | 92   | 84   | 95   | 90   | 117  | 117  | 136  |
| 371 Iron and steel                        |      |      |      |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |      |      |      |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      | 126  | 95   | 109  | 111  | 90   | 72   | 141  | 145  | 127  |
| 382 Non-electrical machinery              |      |      |      |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      | 197  | 218  | 189  | 135  | 142  | 153  | 59   | 17   | 13   |
| 384 Transport equipment                   |      | 190  | 137  | 74   | 200  | 152  | 103  | 200  | 163  | 183  |
| 385 Professional and scientific equipment |      |      |      |      |      |      |      |      |      |      |

b/ 321 includes 322, 323 and 324  
 d/ Manufacturing industries other than those for which separate data are shown



## SINGAPORE

**Supplier of information:**

Research and Statistics Unit, Economic Development Board, Singapore.

**Basic source of data:**

Annual census of industrial production.

**Major deviations from current version of ISIC:**

Data collected under the national classification system have been reclassified by the national authorities to correspond approximately with the current version of the ISIC.

**Reference period (if not calendar year):**

Establishments with financial years ending on or before 31 March are allowed to report on a financial year basis.

**Scope:**

All establishments in the private sector with 10 or more persons engaged.

**Method of enumeration:**

The census is primarily conducted by mail.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

Persons engaged is the number reported during the pay period nearest to 30 June of the reference year.

Wages and salaries includes employers' contributions to the provident fund, pensions and other funds.

Output relates to the total value of all commodities produced and industrial services rendered to others. In cases where proper records of production are not available, the value of output is calculated from the value of sales after adjusting for changes in stocks during the year. Output does not take into account goods sold without further processing.

**Related national publications:**

Report on the Census of Industrial Production (annual), published by the Economic Development Board, Singapore. Yearbook of Statistics, Singapore, published by the Department of Statistics, Singapore.

## Singapore

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note | Number of persons engaged |       |       |       | Note | Wages and salaries paid to employees |         |        |        |
|--|------|--------------------------|------|------|------|------|---------------------------|-------|-------|-------|------|--------------------------------------|---------|--------|--------|
|  |      | 1985                     | 1990 | 1991 | 1992 |      | 1985                      | 1990  | 1991  | 1992  |      | 1985                                 | 1990    | 1991   | 1992   |
|  |      | (numbers)                |      |      |      |      | (numbers)                 |       |       |       |      | (thousand DOLLARS)                   |         |        |        |
| 311/2 Food Products                              |      | 284                      | 265  | 271  | 293  |      | 9720                      | 10620 | 11100 | 11670 |      | 166500                               | 203900  | 235554 | 256700 |
| 3111 Slaughtering, preparing & preserving meat   |      | 13                       | 10   |      |      |      | 539                       | 472   |       |       |      | 8299                                 | 7530    |        |        |
| 3112 Dairy products                              |      | 8                        | 8    |      |      |      | 825                       | 1193  |       |       |      | 15827                                | 24916   |        |        |
| 3113 Canning, preserving of fruits & vegetables  |      | 10                       | 24   |      |      |      | 222                       | 641   |       |       |      | 2360                                 | 11058   |        |        |
| 3114 Canning, preserving and processing of fish  |      | 11                       | 18   |      |      |      | 239                       | 686   |       |       |      | 1543                                 | 10038   |        |        |
| 3115 Vegetable and animal oils and fats          |      | 16                       | 12   |      |      |      | 703                       | 974   |       |       |      | 14052                                | 22141   |        |        |
| 3116 Grain mill products                         |      | -                        | -    |      |      |      | -                         | -     |       |       |      | -                                    | -       |        |        |
| 3117 Bakery products                             |      | 105                      | 85   |      |      |      | 2338                      | 2409  |       |       |      | 24854                                | 37451   |        |        |
| 3118 Sugar factories and refineries              |      | -                        | -    |      |      |      | -                         | -     |       |       |      | -                                    | -       |        |        |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 7                        | 6    |      |      |      | 707                       | 827   |       |       |      | 15552                                | 19697   |        |        |
| 3121 Other food products                         |      | 102                      | 94   |      |      |      | 3411                      | 3113  |       |       |      | 59539                                | 62708   |        |        |
| 3122 Prepared animal feeds                       |      | 12                       | 8    |      |      |      | 502                       | 300   |       |       |      | 14531                                | 8394    |        |        |
| 313 Beverages                                    |      | 14                       | 14   | 14   | 14   |      | 2270                      | 2440  | 2440  | 2310  |      | 44100                                | 63600   | 72801  | 70800  |
| 3131 Distilling, rectifying and blending spirits |      | 5a/                      | 5a/  |      |      |      | 670a/                     | 780a/ |       |       |      | 14789a/                              | 18387a/ |        |        |
| 3132 Wine industries                             |      | -                        | -    |      |      |      | -                         | -     |       |       |      | -                                    | -       |        |        |
| 3133 Malt liquors and malt                       |      | a/                       | a/   |      |      |      | a/                        | a/    |       |       |      | a/                                   | a/      |        |        |
| 3134 Soft drinks and carbonated waters           |      | 9                        | 9    |      |      |      | 1603                      | 1679  |       |       |      | 29273                                | 45283   |        |        |
| 314 Tobacco                                      |      | 4                        | 5    | 4    | 3    |      | 750                       | 730   | 820   | 750   |      | 20800                                | 25400   | 28925  | 30200  |
| 321 Textiles                                     |      | 62                       | 65   | 64   | 64   |      | 2740                      | 3410  | 3340  | 3290  |      | 34600                                | 55100   | 60431  | 61800  |
| 3211 Spinning, weaving and finishing textiles    |      | 23                       | 27   |      |      |      | 1481                      | 2003  |       |       |      | 17953                                | 31131   |        |        |
| 3212 Made-up textile goods excl. wearing apparel |      | 14                       | 18   |      |      |      | 420                       | 639   |       |       |      | 6722                                 | 10423   |        |        |
| 3213 Knitting mills                              |      | 25                       | 20   |      |      |      | 863                       | 764   |       |       |      | 10961                                | 13821   |        |        |
| 3214 Carpets and rugs                            |      | -                        | -    |      |      |      | -                         | -     |       |       |      | -                                    | -       |        |        |
| 3215 Cordage, rope and twine                     |      | -                        | -    |      |      |      | -                         | -     |       |       |      | -                                    | -       |        |        |
| 3219 Other textiles                              |      | -                        | -    |      |      |      | -                         | -     |       |       |      | -                                    | -       |        |        |
| 322 Wearing apparel, except footwear             |      | 370                      | 370  | 351  | 347  |      | 24780                     | 27690 | 25920 | 23430 |      | 227300                               | 320700  | 321980 | 314600 |
| 323 Leather and fur products                     |      | 28                       | 17   | 19   | 20   |      | 650                       | 580   | 790   | 840   |      | 6900                                 | 10200   | 13191  | 15400  |
| 3231 Tanneries and leather finishing             |      | -                        | -    |      |      |      | -                         | -     |       |       |      | -                                    | -       |        |        |
| 3232 Fur dressing and dyeing industries          |      | -                        | -    |      |      |      | -                         | -     |       |       |      | -                                    | -       |        |        |
| 3233 Leather pruds. excl. wearing apparel        |      | 28                       | 17   |      |      |      | 648                       | 577   |       |       |      | 6944                                 | 10197   |        |        |
| 324 Footwear, except rubber or plastic           |      | 50                       | 32   | 29   | 27   |      | 870                       | 780   | 640   | 540   |      | 7000                                 | 8900    | 8356   | 8900   |
| 331 Wood products, except furniture              |      | 109                      | 82   | 76   | 74   |      | 4100                      | 2570  | 2200  | 2110  |      | 47900                                | 43200   | 41944  | 42600  |
| 3311 Sawmills, planing and other wood mills      |      | 69                       | 51   |      |      |      | 3432                      | 1919  |       |       |      | 42804                                | 33651   |        |        |
| 3312 Wooden and cane containers                  |      | 21                       | 16   |      |      |      | 379                       | 418   |       |       |      | 2918                                 | 5540    |        |        |
| 3319 Other wood and cork products                |      | 19                       | 15   |      |      |      | 309                       | 237   |       |       |      | 2518                                 | 3997    |        |        |
| 332 Furniture and fixtures, excl. metal          |      | 145                      | 141  | 139  | 135  |      | 7079                      | 6520  | 6460  | 6310  |      | 74300                                | 97600   | 103181 | 106500 |
| 341 Paper and products                           |      | 81                       | 92   | 95   | 100  |      | 3360                      | 4600  | 4930  | 5030  |      | 53200                                | 98200   | 115020 | 124300 |
| 3411 Pulp, paper and paperboard articles         |      | -                        | -    |      |      |      | -                         | -     |       |       |      | -                                    | -       |        |        |
| 3412 Containers of paper and paperboard          |      | 49                       | 62   |      |      |      | 2305                      | 3105  |       |       |      | 38220                                | 58976   |        |        |
| 3419 Other pulp, paper and paperboard articles   |      | 32                       | 30   |      |      |      | 1058                      | 1499  |       |       |      | 14966                                | 29183   |        |        |
| 342 Printing and publishing                      |      | 305                      | 327  | 342  | 361  |      | 13217                     | 15810 | 15840 | 17250 |      | 233700                               | 375600  | 452625 | 487700 |
| 351 Industrial chemicals                         |      | 55                       | 77   | 77   | 74   |      | 3140                      | 4750  | 4810  | 4840  |      | 97900                                | 195200  | 213460 | 227200 |
| 3511 Basic chemicals excl. fertilizers           |      | 36                       | 48   |      |      |      | 1989                      | 2973  |       |       |      | 59795                                | 128345  |        |        |
| 3512 Fertilizers and pesticides                  |      | -                        | -    |      |      |      | -                         | -     |       |       |      | -                                    | -       |        |        |
| 3513 Synthetic resins and plastic materials      |      | 19                       | 29   |      |      |      | 1155                      | 1777  |       |       |      | 34068                                | 66889   |        |        |
| 352 Other chemicals                              |      | 90                       | 93   | 94   | 97   |      | 4620                      | 5170  | 5280  | 5510  |      | 107400                               | 155400  | 171402 | 192600 |
| 3521 Paints, varnishes and lacquers              |      | 20                       | 19   |      |      |      | 1109                      | 1345  |       |       |      | 27735                                | 38974   |        |        |
| 3522 Drugs and medicines                         |      | 16                       | 19   |      |      |      | 1483                      | 1654  |       |       |      | 33015                                | 48685   |        |        |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      | 23                       | 26   |      |      |      | 1010                      | 1067  |       |       |      | 18934                                | 27098   |        |        |
| 3529 Other chemical products                     |      | 31                       | 29   |      |      |      | 1042                      | 1092  |       |       |      | 27784                                | 40401   |        |        |
| 353 Petroleum refineries                         | b/   | 12                       | 15   | 17   | 18   | b/   | 3490                      | 3290  | 3730  | 3810  | b/   | 154600                               | 204000  | 241549 | 252700 |

|   |    |      |      |      |      |    |        |        |        |        |    |         |         |         |         |
|---|----|------|------|------|------|----|--------|--------|--------|--------|----|---------|---------|---------|---------|
| 354 Misc petroleum and coal products            | b/ |      |      |      |      | b/ |        |        |        |        | b/ |         |         |         |         |
| 355 Rubber products                             |    | 38   | 34   | 34   | 31   |    | 1700   | 1780   | 1940   | 1830   |    | 27000   | 35400   | 42849   | 44300   |
| 3551 Tyres and tubes                            |    | -    | -    | -    | -    |    | -      | -      | -      | -      |    | -       | -       | -       | -       |
| 3559 Other rubber products                      |    | 38   | 34   | -    | -    |    | 1697   | 1780   | -      | -      |    | 27006   | 35427   | -       | -       |
| 356 Plastic products                            |    | 221  | 293  | 288  | 296  |    | 8471   | 14920  | 15510  | 18640  |    | 104900  | 248600  | 270630  | 301700  |
| 361 Pottery, china, earthenware                 | c/ | 12   | 8    | 10   | 12   | c/ | 350    | 800    | 880    | 900    | c/ | 6900    | 18200   | 22412   | 26400   |
| 362 Glass and products                          | c/ | -    | -    | -    | -    | c/ | -      | -      | -      | -      | c/ | -       | -       | -       | -       |
| 369 Other non-metallic mineral products         |    | 98   | 66   | 67   | 71   |    | 6850   | 4360   | 4310   | 4720   |    | 117700  | 87300   | 105687  | 119300  |
| 3691 Structural clay products                   |    | 10   | 7    | -    | -    |    | 549    | 306    | -      | -      |    | 9303    | 6226    | -       | -       |
| 3692 Cement, lime and plaster                   |    | 6    | 5    | -    | -    |    | 547    | 418    | -      | -      |    | 12186   | 13301   | -       | -       |
| 3699 Other non-metallic mineral products        |    | 82   | 53   | -    | -    |    | 6756   | 3636   | -      | -      |    | 96260   | 67726   | -       | -       |
| 371 Iron and steel                              |    | 15   | 14   | 13   | 15   |    | 1510   | 1730   | 1790   | 1760   |    | 38800   | 48700   | 53211   | 68300   |
| 372 Non-ferrous metals                          |    | 18   | 21   | 21   | 20   |    | 690    | 820    | 820    | 790    |    | 12200   | 21100   | 27976   | 26600   |
| 381 Fabricated metal products                   |    | 435  | 479  | 518  | 528  |    | 19450  | 28440  | 30590  | 30200  |    | 307400  | 559400  | 663492  | 702600  |
| 3811 Cutlery, hand tools and general hardware   |    | 11   | 8    | -    | -    |    | 562    | 783    | -      | -      |    | 8231    | 14468   | -       | -       |
| 3812 Furniture and fixtures primarily of metal  |    | 33   | 22   | -    | -    |    | 817    | 475    | -      | -      |    | 10771   | 8807    | -       | -       |
| 3813 Structural metal products                  |    | 166  | 143  | -    | -    |    | 4784   | 4127   | -      | -      |    | 76179   | 80072   | -       | -       |
| 3819 Other fabricated metal products            |    | 225  | 306  | -    | -    |    | 13300  | 23066  | -      | -      |    | 213207  | 456043  | -       | -       |
| 382 Non-electrical machinery                    |    | 349  | 406  | 414  | 464  |    | 19690  | 24190  | 24110  | 25960  |    | 399300  | 667000  | 630682  | 736900  |
| 3821 Engines and turbines                       |    | -    | -    | -    | -    |    | -      | -      | -      | -      |    | -       | -       | -       | -       |
| 3822 Agricultural machinery and equipment       |    | -    | -    | -    | -    |    | -      | -      | -      | -      |    | -       | -       | -       | -       |
| 3823 Metal and wood working machinery           |    | 30   | 131  | -    | -    |    | 961    | 6222   | -      | -      |    | 17311   | 127371  | -       | -       |
| 3824 Other special industrial machinery         |    | 58   | 34   | -    | -    |    | 4375   | 3586   | -      | -      |    | 127956  | 116770  | -       | -       |
| 3825 Office, computing and accounting machinery |    | -    | -    | -    | -    |    | -      | -      | -      | -      |    | -       | -       | -       | -       |
| 3829 Other non-electrical machinery & equipment |    | 261  | 241  | -    | -    |    | 14163  | 14382  | -      | -      |    | 264002  | 324348  | -       | -       |
| 383 Electrical machinery                        |    | 322  | 376  | 382  | 396  |    | 82630  | 144910 | 144130 | 142470 |    | 1210660 | 2629400 | 2734988 | 2967900 |
| 3831 Electrical industrial machinery            |    | 71   | 59   | -    | -    |    | 7209   | 8763   | -      | -      |    | 104027  | 138723  | -       | -       |
| 3832 Radio, television and communication equipm |    | 207  | 244  | -    | -    |    | 66646  | 122918 | -      | -      |    | 870196  | 2161960 | -       | -       |
| 3833 Electrical appliances and housewares       |    | 6    | 6    | -    | -    |    | 4243   | 3783   | -      | -      |    | 61038   | 64803   | -       | -       |
| 3839 Other electrical apparatus and supplies    |    | 38   | 67   | -    | -    |    | 4631   | 9443   | -      | -      |    | 75386   | 173911  | -       | -       |
| 384 Transport equipment                         |    | 220  | 217  | 238  | 246  |    | 21768  | 26130  | 29740  | 31700  |    | 446600  | 628700  | 730120  | 902600  |
| 3841 Shipbuilding and repairing                 |    | 167  | 161  | -    | -    |    | 15467  | 18166  | -      | -      |    | 309310  | 416474  | -       | -       |
| 3842 Railroad equipment                         |    | -    | -    | -    | -    |    | -      | -      | -      | -      |    | -       | -       | -       | -       |
| 3843 Motor vehicles                             |    | 27   | 18   | -    | -    |    | 1828   | 1421   | -      | -      |    | 29626   | 31002   | -       | -       |
| 3844 Motorcycles and bicycles                   |    | -    | -    | -    | -    |    | -      | -      | -      | -      |    | -       | -       | -       | -       |
| 3845 Aircraft                                   |    | 18   | 26   | -    | -    |    | 3998   | 6676   | -      | -      |    | 96247   | 163082  | -       | -       |
| 3849 Other transport equipment                  |    | 8    | 12   | -    | -    |    | 475    | 880    | -      | -      |    | 8012    | 18123   | -       | -       |
| 385 Professional and scientific equipment       |    | 41   | 57   | 61   | 60   |    | 5070   | 8260   | 8580   | 8840   |    | 68900   | 166300  | 183636  | 199000  |
| 3851 Prof and scientific equipment n e c        |    | 18   | 37   | -    | -    |    | 2026   | 4369   | -      | -      |    | 24401   | 64736   | -       | -       |
| 3852 Photographic and optical goods             |    | 13   | 14   | -    | -    |    | 1518   | 2134   | -      | -      |    | 22846   | 38749   | -       | -       |
| 3853 Watches and clocks                         |    | 10   | 6    | -    | -    |    | 1627   | 1760   | -      | -      |    | 21636   | 34659   | -       | -       |
| 390 Other manufacturing industries              |    | 134  | 142  | 150  | 155  |    | 5060   | 6460   | 6770   | 6140   |    | 62200   | 96600   | 119392  | 116400  |
| 3901 Jewellery and related articles             |    | 46   | 56   | -    | -    |    | 1282   | 1396   | -      | -      |    | 16496   | 22469   | -       | -       |
| 3902 Musical instruments                        |    | -    | -    | -    | -    |    | -      | -      | -      | -      |    | -       | -       | -       | -       |
| 3903 Sporting and athletic goods                |    | -    | -    | -    | -    |    | -      | -      | -      | -      |    | -       | -       | -       | -       |
| 3909 Manufacturing industries, n e c            |    | 88   | 86   | -    | -    |    | 3777   | 6059   | -      | -      |    | 46664   | 74138   | -       | -       |
| 3 Total manufacturing                           |    | 3511 | 3707 | 3788 | 3920 |    | 264030 | 351840 | 368460 | 368530 |    | 4062760 | 6866700 | 7660373 | 8390800 |

a/ 3131 includes 3133  
c/ 361 includes 362

b/ 353 includes 354.

## Singapore

| ISIC Industry                                    | Note | Output in factor values |       |       |       | Note | Value added in factor values |       |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-------------------------|-------|-------|-------|------|------------------------------|-------|------|------|--------------------------------|------|--|------|
|  |      | (million DOLLARS)       |       |       |       |      | (million DOLLARS)            |       |      |      | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                    | 1990  | 1991  | 1992  |      | 1985                         | 1990  | 1991 | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                              |      | 2309                    | 2044  | 2103  | 2142  |      | 396                          | 583   | 626  | 664  | 17.1                           | 30.6 | 39.6                                       | 39.3 |
| 3111 Slaughtering, preparing & preserving meat   |      | 41                      | 35    | ...   | ...   |      | 17                           | 22    | ...  | ...  | 41.9                           | 48.6 | 48.6                                       |      |
| 3112 Dairy products                              |      | 117                     | 362   | ...   | ...   |      | 34                           | 107   | ...  | ...  | 28.7                           | 47.0 | 47.0                                       |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 20                      | 70    | ...   | ...   |      | 6                            | 29    | ...  | ...  | 31.6                           | 36.7 | 36.7                                       |      |
| 3114 Canning, preserving and processing of fish  |      | 18                      | 88    | ...   | ...   |      | 4                            | 17    | ...  | ...  | 21.5                           | 42.5 | 42.5                                       |      |
| 3115 Vegetable and animal oils and fats          |      | 613                     | 398   | ...   | ...   |      | 58                           | 59    | ...  | ...  | 9.5                            | 24.0 | 24.0                                       |      |
| 3116 Grain mill products                         |      | ...                     | ...   | ...   | ...   |      | ...                          | ...   | ...  | ...  | ...                            | ...  | ...  | ...  |
| 3117 Bakery products                             |      | 134                     | 210   | ...   | ...   |      | 56                           | 96    | ...  | ...  | 41.8                           | 44.6 | 44.6                                       |      |
| 3118 Sugar factories and refineries              |      | ...                     | ...   | ...   | ...   |      | ...                          | ...   | ...  | ...  | ...                            | ...  | ...  | ...  |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 204                     | 192   | ...   | ...   |      | 31                           | 70    | ...  | ...  | 15.4                           | 50.0 | 50.0                                       |      |
| 3121 Other food products                         |      | 1037                    | 613   | ...   | ...   |      | 168                          | 172   | ...  | ...  | 15.2                           | 37.7 | 37.7                                       |      |
| 3122 Prepared animal feeds                       |      | 128                     | 76    | ...   | ...   |      | 32                           | 13    | ...  | ...  | 24.9                           | 46.8 | 46.8                                       |      |
| 313 Beverages                                    |      | 319                     | 511   | 526   | 556   |      | 167                          | 252   | 266  | 278  | 52.4                           | 50.0 | 28.4                                       | 25.5 |
| 3131 Distilling, rectifying and blending spirits |      | 126a/                   | 190a/ | ...   | ...   |      | 84a/                         | 131a/ | ...  | ...  | 66.2                           | 17.7 | 17.7                                       |      |
| 3132 Wine industries                             |      | ...                     | ...   | ...   | ...   |      | ...                          | ...   | ...  | ...  | ...                            | ...  | ...  | ...  |
| 3133 Malt liquors and malt                       |      | a/                      | a/    | ...   | ...   |      | a/                           | a/    | ...  | ...  | ...                            | ...  | ...  | ...  |
| 3134 Soft drinks and carbonated waters           |      | 193                     | 321   | ...   | ...   |      | 83                           | 120   | ...  | ...  | 43.1                           | 35.1 | 35.1                                       |      |
| 314 Tobacco                                      |      | 188                     | 288   | 331   | 370   |      | 78                           | 116   | 127  | 168  | 41.5                           | 42.7 | 26.7                                       | 19.1 |
| 321 Textiles                                     |      | 193                     | 396   | 402   | 388   |      | 62                           | 130   | 126  | 121  | 32.1                           | 31.2 | 55.8                                       | 61.1 |
| 3211 Spinning, weaving and finishing textiles    |      | 104                     | 211   | ...   | ...   |      | 33                           | 76    | ...  | ...  | 31.5                           | 55.0 | 55.0                                       |      |
| 3212 Made-up textile goods excl. wearing apparel |      | 27                      | 61    | ...   | ...   |      | 10                           | 24    | ...  | ...  | 38.4                           | 54.8 | 54.8                                       |      |
| 3213 Knitting mills                              |      | 63                      | 123   | ...   | ...   |      | 19                           | 31    | ...  | ...  | 30.9                           | 56.7 | 56.7                                       |      |
| 3214 Carpets and rugs                            |      | ...                     | ...   | ...   | ...   |      | ...                          | ...   | ...  | ...  | ...                            | ...  | ...  | ...  |
| 3215 Cordage, rope and twine                     |      | ...                     | ...   | ...   | ...   |      | ...                          | ...   | ...  | ...  | ...                            | ...  | ...  | ...  |
| 3219 Other textiles                              |      | ...                     | ...   | ...   | ...   |      | ...                          | ...   | ...  | ...  | ...                            | ...  | ...  | ...  |
| 322 Wearing apparel, except footwear             |      | 1035                    | 1730  | 1739  | 1632  |      | 346                          | 533   | 522  | 494  | 33.4                           | 30.3 | 66.7                                       | 63.7 |
| 323 Leather and fur products                     |      | 36                      | 56    | 63    | 76    |      | 11                           | 20    | 22   | 27   | 30.6                           | 36.5 | 62.7                                       | 67.0 |
| 3231 Tanneries and leather finishing             |      | ...                     | ...   | ...   | ...   |      | ...                          | ...   | ...  | ...  | ...                            | ...  | ...  | ...  |
| 3232 Fur dressing and dyeing industries          |      | ...                     | ...   | ...   | ...   |      | ...                          | ...   | ...  | ...  | ...                            | ...  | ...  | ...  |
| 3233 Leather prod. excl. wearing apparel         |      | 36                      | 56    | ...   | ...   |      | 11                           | 20    | ...  | ...  | 31.9                           | 60.7 | 60.7                                       |      |
| 324 Footwear, except rubber or plastic           |      | 34                      | 50    | 53    | 48    |      | 12                           | 16    | 16   | 15   | 35.3                           | 31.3 | 63.3                                       | 69.3 |
| 331 Wood products, except furniture              |      | 338                     | 350   | 297   | 293   |      | 95                           | 99    | 79   | 77   | 28.1                           | 26.3 | 50.4                                       | 56.3 |
| 3311 Sawmills, planing and other wood mills      |      | 298                     | 270   | ...   | ...   |      | 82                           | 75    | ...  | ...  | 27.7                           | 51.9 | 51.9                                       |      |
| 3312 Wooden and cane containers                  |      | 20                      | 51    | ...   | ...   |      | 6                            | 15    | ...  | ...  | 31.0                           | 48.3 | 48.3                                       |      |
| 3319 Other wood and cork products                |      | 22                      | 28    | ...   | ...   |      | 6                            | 9     | ...  | ...  | 28.4                           | 40.2 | 40.2                                       |      |
| 332 Furniture and fixtures, excl. metal          |      | 360                     | 516   | 517   | 531   |      | 133                          | 162   | 171  | 185  | 36.9                           | 34.8 | 55.9                                       | 67.6 |
| 341 Paper and products                           |      | 386                     | 816   | 870   | 802   |      | 179                          | 343   | 359  | 360  | 46.4                           | 43.6 | 29.7                                       | 36.5 |
| 3411 Pulp, paper and paperboard articles         |      | ...                     | ...   | ...   | ...   |      | ...                          | ...   | ...  | ...  | ...                            | ...  | ...  | ...  |
| 3412 Containers of paper and paperboard          |      | 302                     | 594   | ...   | ...   |      | 149                          | 261   | ...  | ...  | 49.1                           | 25.7 | 25.7                                       |      |
| 3419 Other pulp, paper and paperboard articles   |      | 84                      | 223   | ...   | ...   |      | 31                           | 82    | ...  | ...  | 36.8                           | 48.6 | 48.6                                       |      |
| 342 Printing and publishing                      |      | 896                     | 1743  | 1929  | 2133  |      | 511                          | 933   | 1044 | 1214 | 57.0                           | 56.9 | 45.7                                       | 40.2 |
| 351 Industrial chemicals                         |      | 1506                    | 3150  | 3092  | 2643  |      | 304                          | 1068  | 961  | 836  | 20.2                           | 31.6 | 30.9                                       | 27.2 |
| 3511 Basic chemicals excl. fertilizers           |      | 868                     | 1852  | ...   | ...   |      | 162                          | 662   | ...  | ...  | 17.5                           | 39.6 | 39.6                                       |      |
| 3512 Fertilizers and pesticides                  |      | ...                     | ...   | ...   | ...   |      | ...                          | ...   | ...  | ...  | ...                            | ...  | ...  | ...  |
| 3513 Synthetic resins and plastic materials      |      | 638                     | 1298  | ...   | ...   |      | 153                          | 407   | ...  | ...  | 23.9                           | 22.3 | 22.3                                       |      |
| 352 Other chemicals                              |      | 1070                    | 1772  | 2262  | 2293  |      | 588                          | 1088  | 1487 | 1490 | 65.0                           | 65.0 | 18.3                                       | 12.9 |
| 3521 Paints, varnishes and lacquers              |      | 165                     | 324   | ...   | ...   |      | 62                           | 102   | ...  | ...  | 37.3                           | 45.0 | 45.0                                       |      |
| 3522 Drugs and medicines                         |      | 507                     | 1021  | ...   | ...   |      | 372                          | 809   | ...  | ...  | 73.4                           | 8.9  | 8.9  |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 92                      | 125   | ...   | ...   |      | 45                           | 64    | ...  | ...  | 48.8                           | 42.2 | 42.2                                       |      |
| 3529 Other chemical products                     |      | 306                     | 302   | ...   | ...   |      | 110                          | 113   | ...  | ...  | 36.8                           | 25.3 | 25.3                                       |      |
| 353 Petroleum refineries                         | b/   | 11031                   | 11364 | 11288 | 10272 | b/   | 874                          | 1662  | 2023 | 1760 | 7.9                            | 17.0 | 17.7                                       | 14.4 |

|  |    |       |       |       |       |    |       |       |       |       |      |      |      |      |
|--|----|-------|-------|-------|-------|----|-------|-------|-------|-------|------|------|------|------|
| 354 Misc petroleum and coal products             | b/ |       |       |       |       | b/ |       |       |       |       |      |      |      |      |
| 355 Rubber products                              |    | 251   | 271   | 233   | 236   |    | 46    | 71    | 78    | 86    | 18 3 | 36 4 | 66 7 | 61 5 |
| 3551 Tyres and tubes                             |    | -     | -     | -     | -     |    | -     | -     | -     | -     | -    | -    | -    | -    |
| 3559 Other rubber products                       |    | 251   | 271   | -     | -     |    | 46    | 71    | -     | -     | 18 2 | -    | 69 1 | -    |
| 356 Plastic products                             |    | 612   | 1656  | 1608  | 1596  |    | 231   | 592   | 609   | 634   | 37 7 | 39 7 | 45 4 | 47 6 |
| 361 Pottery, china, earthenware                  | c/ | 30    | 145   | 149   | 176   | c/ | 11    | 61    | 65    | 92    | 36 7 | 52 3 | 63 6 | 27 6 |
| 362 Glass and products                           | c/ | -     | -     | -     | -     | c/ | -     | -     | -     | -     | -    | -    | -    | -    |
| 359 Other non-metallic mineral products          |    | 896   | 862   | 1132  | 1288  |    | 308   | 269   | 363   | 421   | 34 4 | 32 7 | 38 2 | 28 3 |
| 3691 Structural clay products                    |    | 47    | 31    | -     | -     |    | 25    | 16    | -     | -     | 53 4 | -    | 37 2 | -    |
| 3692 Cement, lime and plaster                    |    | 165   | 233   | -     | -     |    | 34    | 70    | -     | -     | 20 7 | -    | 35 7 | -    |
| 3699 Other non-metallic mineral products         |    | 684   | 599   | -     | -     |    | 249   | 183   | -     | -     | 36 4 | -    | 38 6 | -    |
| 371 Iron and steel                               |    | 337   | 582   | 536   | 524   |    | 106   | 176   | 176   | 199   | 31 5 | 38 0 | 36 6 | 29 3 |
| 372 Non-ferrous metals                           |    | 236   | 216   | 198   | 208   |    | 38    | 74    | 67    | 75    | 16 1 | 36 1 | 32 1 | 34 1 |
| 381 Fabricated metal products                    |    | 1753  | 3804  | 4129  | 4363  |    | 656   | 1324  | 1504  | 1647  | 37 4 | 37 7 | 46 9 | 42 7 |
| 3811 Cutlery, hand tools and general hardware    |    | 46    | 105   | -     | -     |    | 25    | 57    | -     | -     | 54 9 | -    | 32 3 | -    |
| 3812 Furniture and fixtures primarily of metal   |    | 45    | 49    | -     | -     |    | 18    | 18    | -     | -     | 39 9 | -    | 59 8 | -    |
| 3813 Structural metal products                   |    | 543   | 642   | -     | -     |    | 147   | 170   | -     | -     | 27 1 | -    | 51 1 | -    |
| 3819 Other fabricated metal products             |    | 1118  | 3008  | -     | -     |    | 466   | 1079  | -     | -     | 41 7 | -    | 45 8 | -    |
| 382 Non-electrical machinery                     |    | 1805  | 3381  | 3723  | 3861  |    | 814   | 1268  | 1417  | 1485  | 45 1 | 38 5 | 49 1 | 49 6 |
| 3821 Engines and turbines                        |    | -     | -     | -     | -     |    | -     | -     | -     | -     | -    | -    | -    | -    |
| 3822 Agricultural machinery and equipment        |    | -     | -     | -     | -     |    | -     | -     | -     | -     | -    | -    | -    | -    |
| 3823 Metal and wood working machinery            |    | 40    | 513   | -     | -     |    | 26    | 248   | -     | -     | 64 5 | -    | 66 6 | -    |
| 3824 Other special industrial machinery          |    | 622   | 803   | -     | -     |    | 325   | 275   | -     | -     | 52 3 | -    | 39 3 | -    |
| 3825 Office, computing and accounting machinery  |    | -     | -     | -     | -     |    | -     | -     | -     | -     | -    | -    | -    | -    |
| 3829 Other non-electrical machinery & equipment  |    | 1143  | 2065  | -     | -     |    | 463   | 746   | -     | -     | 40 5 | -    | 54 9 | -    |
| 383 Electrical machinery                         |    | 10475 | 30327 | 31598 | 34692 |    | 3384  | 8601  | 8995  | 9950  | 32 3 | 28 7 | 35 8 | 29 8 |
| 3831 Electrical industrial machinery             |    | 511   | 855   | -     | -     |    | 215   | 308   | -     | -     | 42 1 | -    | 48 4 | -    |
| 3832 Radio, television and communication equipm. |    | 9179  | 27893 | -     | -     |    | 2894  | 7722  | -     | -     | 31 5 | -    | 33 5 | -    |
| 3833 Electrical appliances and housewares        |    | 455   | 424   | -     | -     |    | 135   | 134   | -     | -     | 29 6 | -    | 45 3 | -    |
| 3839 Other electrical apparatus and supplies     |    | 329   | 1155  | -     | -     |    | 139   | 438   | -     | -     | 42 3 | -    | 64 1 | -    |
| 384 Transport equipment                          |    | 1789  | 3791  | 4014  | 4397  |    | 1034  | 1614  | 1713  | 1988  | 57 8 | 45 2 | 43 1 | 45 4 |
| 3841 Shipbuilding and repairing                  |    | 1012  | 2589  | -     | -     |    | 464   | 1053  | -     | -     | 45 8 | -    | 66 7 | -    |
| 3842 Railroad equipment                          |    | -     | -     | -     | -     |    | -     | -     | -     | -     | -    | -    | -    | -    |
| 3843 Motor vehicles                              |    | 109   | 181   | -     | -     |    | 57    | 61    | -     | -     | 52 5 | -    | 51 5 | -    |
| 3844 Motorcycles and bicycles                    |    | -     | -     | -     | -     |    | -     | -     | -     | -     | -    | -    | -    | -    |
| 3845 Aircraft                                    |    | 631   | 788   | -     | -     |    | 496   | 419   | -     | -     | 78 7 | -    | 19 4 | -    |
| 3849 Other transport equipment                   |    | 37    | 233   | -     | -     |    | 16    | 81    | -     | -     | 42 2 | -    | 60 5 | -    |
| 385 Professional and scientific equipment        |    | 326   | 783   | 860   | 947   |    | 196   | 363   | 397   | 469   | 60 1 | 49 5 | 35 2 | 42 4 |
| 3851 Prof and scientific equipment n e c         |    | 153   | 487   | -     | -     |    | 101   | 227   | -     | -     | 65 7 | -    | 24 2 | -    |
| 3852 Photographic and optical goods              |    | 80    | 123   | -     | -     |    | 50    | 72    | -     | -     | 62 1 | -    | 46 2 | -    |
| 3853 Watches and clocks                          |    | 92    | 174   | -     | -     |    | 45    | 64    | -     | -     | 49 0 | -    | 47 7 | -    |
| 390 Other manufacturing industries               |    | 433   | 854   | 1005  | 883   |    | 128   | 207   | 243   | 227   | 29 6 | 25 7 | 48 6 | 50 8 |
| 3901 Jewellery and related articles              |    | 155   | 350   | -     | -     |    | 26    | 41    | -     | -     | 16 8 | -    | 63 5 | -    |
| 3902 Musical instruments                         |    | -     | -     | -     | -     |    | -     | -     | -     | -     | -    | -    | -    | -    |
| 3903 Sporting and athletic goods                 |    | -     | -     | -     | -     |    | -     | -     | -     | -     | -    | -    | -    | -    |
| 3909 Manufacturing industries, n e c             |    | 278   | 504   | -     | -     |    | 102   | 166   | -     | -     | 36 5 | -    | 44 9 | -    |
| 3 Total manufacturing                            |    | 38644 | 71456 | 74646 | 77349 |    | 10707 | 21615 | 23454 | 24919 | 27 7 | 32 2 | 27 9 | 33 7 |

a/ 3131 includes 3133  
c/ 361 includes 362

b/ 353 includes 354

## Singapore

| ISIC Industry                             | Note | Gross fixed capital formation |        |        |        | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |
|---|------|-------------------------------|--------|--------|--------|------|--|------|------|------|------|------|------|------|------|
|   |      | (billion DOLLARS)             |        |        |        |      | (1980=100)                             |      |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990   | 1991   | 1992   |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      | 67.3                          | 114.2  | 173.4  | 190.8  |      | 85                                     | 85   | 93   | 94   | 102  | 105  | 103  | 109  | 111  |
| 313 Beverages                             |      | 30.9                          | 119.1  | 45.7   | 24.8   |      | 90                                     | 92   | 97   | 116  | 130  | 125  | 136  | 137  | 163  |
| 314 Tobacco                               |      | 8.2                           | 11.5   | 28.3   | 36.4   |      | 97                                     | 117  | 91   | 78   | 140  | 204  | 298  | 332  | 376  |
| 321 Textiles                              |      | 4.9                           | 25.5   | 20.3   | 13.6   |      | 42                                     | 30   | 30   | 35   | 37   | 39   | 36   | 39   | 34   |
| 322 Wearing apparel, except footwear      |      | 23.7                          | 60.4   | 61.6   | 32.2   |      | 108                                    | 102  | 118  | 139  | 148  | 151  | 141  | 140  | 127  |
| 323 Leather and fur products              |      | 0.2                           | 2.3    | 4.3    | 8.2    |      | 71                                     | 50   | 52   | 58   | 54   | 46   | 44   | 36   | 42   |
| 324 Footwear, except rubber or plastic    |      | 1.1                           | 6.0    | 2.3    | 0.7    |      | 72                                     | 46   | 50   | 60   | 71   | 65   | 68   | 97   | 81   |
| 331 Wood products, except furniture       |      | 10.1                          | 6.0    | 8.5    | 7.7    |      | 50                                     | 40   | 30   | 32   | 32   | 30   | 28   | 24   | 24   |
| 332 Furniture and fixtures, excl metal    |      | 17.1                          | 22.3   | 16.2   | 21.1   |      | 131                                    | 121  | 133  | 129  | 137  | 133  | 132  | 140  | 142  |
| 341 Paper and products                    |      | 36.9                          | 73.8   | 85.4   | 80.3   |      | 61                                     | 56   | 62   | 82   | 90   | 92   | 97   | 101  | 89   |
| 342 Printing and publishing               |      | 124.2                         | 181.4  | 228.7  | 166.9  |      | 133                                    | 136  | 141  | 154  | 171  | 189  | 209  | 227  | 242  |
| 351 Industrial chemicals                  |      | 205.2                         | 144.1  | 225.2  | 117.6  |      | 229                                    | 310  | 316  | 375  | 401  | 425  | 483  | 492  | 469  |
| 352 Other chemicals                       |      | 30.2                          | 103.3  | 99.1   | 85.6   |      | 127                                    | 143  | 151  | 152  | 157  | 185  | 241  | 316  | 289  |
| 353 Petroleum refineries                  |      | 181.0                         | 489.3  | 429.1  | 913.2  |      | 131                                    | 118  | 128  | 119  | 125  | 142  | 161  | 166  | 168  |
| 354 Misc petroleum and coal products      | a/   |                               |        |        |        | a/   |  |      |      |      |      |      |      |      |      |
| 355 Rubber products                       | a/   | 6.2                           | 13.9   | 16.8   | 25.1   |      | 76                                     | 73   | 66   | 69   | 66   | 66   | 69   | 67   | 62   |
| 356 Plastic products                      |      | 45.4                          | 116.3  | 140.6  | 134.4  |      | 105                                    | 88   | 78   | 96   | 110  | 111  | 110  | 121  | 118  |
| 361 Pottery, china, earthenware           | b/   | 2.5                           | 13.2   | 17.5   | 44.7   | b/   | 124                                    | 35   | 23   | 25   | 27   | 26   | 29   | 32   | 36   |
| 362 Glass and products                    | b/   |                               |        |        |        | b/   |  |      |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      | 55.0                          | 28.5   | 44.1   | 50.6   |      | 94                                     | 72   | 63   | 61   | 62   | 74   | 78   | 92   | 102  |
| 371 Iron and steel                        |      | 5.4                           | 40.5   | 36.3   | 66.6   |      | 129                                    | 128  | 130  | 136  | 144  | 148  | 160  | 152  | 156  |
| 372 Non-ferrous metals                    |      | 4.9                           | 13.1   | 8.9    | 9.0    |      | 93                                     | 84   | 75   | 81   | 82   | 77   | 88   | 92   | 103  |
| 381 Fabricated metal products             |      | 99.0                          | 263.0  | 278.4  | 310.2  |      | 104                                    | 97   | 107  | 122  | 144  | 150  | 148  | 149  | 168  |
| 382 Non-electrical machinery              |      | 166.2                         | 262.1  | 257.0  | 337.4  |      | 125                                    | 105  | 91   | 106  | 127  | 149  | 161  | 181  | 178  |
| 383 Electrical machinery                  |      | 743.4                         | 1608.0 | 1449.0 | 1697.9 |      | 125                                    | 109  | 119  | 157  | 187  | 213  | 197  | 216  | 216  |
| 384 Transport equipment                   |      | 67.6                          | 283.1  | 242.3  | 304.4  |      | 112                                    | 93   | 102  | 110  | 133  | 161  | 179  | 187  | 188  |
| 385 Professional and scientific equipment |      | 21.2                          | 115.5  | 67.4   | 74.8   |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 390 Other manufacturing industries        |      | 20.6                          | 68.8   | 49.5   | 41.4   |      | 69                                     | 63   | 75   | 123  | 131  | 93   | 99   | 98   | 77   |
| 3 Total manufacturing                     |      | 1978.7                        | 4185.3 | 4036.0 | 4796.5 |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |

a/ 353 includes 354

b/ 361 includes 362

## SLOVENIA

**Supplier of information:**

National Statistical Office, Ljubljana.

**Basic source of data:**

Annual industrial survey.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

All registered establishments.

**Method of enumeration:**

Individual site visits by enumerators.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

No deviations from the standard UN concepts and definitions are reported.

**Related national publications:**

## Slovenia

| ISIC Industry                             | Note | Number of establishments<br>(numbers) |      |      |      | Note | Number of employees<br>(numbers) |         |         |      | Note   | Wages and salaries paid<br>to employees<br>(million TOIARS) |        |      |      |
|---|------|---------------------------------------|------|------|------|------|----------------------------------|---------|---------|------|--------|---|--------|------|------|
|   |      | 1985                                  | 1990 | 1991 | 1992 |      | 1985                             | 1990    | 1991    | 1992 |        | 1985  | 1990   | 1991 | 1992 |
| 311/2 Food Products                       |      |                                       | 365  | 465  | 483  |      | 18172                            | 18594   | 17308   |      | 2822   | 6745  | 17203  |      |      |
| 313 Beverages                             |      |                                       | 62   | 80   | 83   |      | 3766                             | 3613    | 3764    |      | 718    | 1564  | 4760   |      |      |
| 314 Tobacco                               |      |                                       | 1    | 1    | 1    |      | 752                              | 835     | 1160    |      | 104    | 232   | 1384   |      |      |
| 321 Textiles                              |      |                                       | 197  | 243  | 253  |      | 48986                            | 49574   | 45642   |      | 4872   | 10409   | 30700  |      |      |
| 322 Wearing apparel, except footwear      |      |                                       | 178  | 311  | 335  |      | 888                              | 854     | 319     |      | 106    | 166   | 171    |      |      |
| 323 Leather and fur products              |      |                                       | 80   | 101  | 103  |      | 5064                             | 4901    | 4069    |      | 661    | 1310  | 3306   |      |      |
| 324 Footwear, except rubber or plastic    |      |                                       | 43   | 61   | 63   |      | 8650                             | 8741    | 9975    |      | 819    | 1778  | 6474   |      |      |
| 331 Wood products, except furniture       |      |                                       | 301  | 528  | 549  |      | 19130                            | 15224   | 13462   |      | 1877   | 3410  | 8292   |      |      |
| 332 Furniture and fixtures, excl metal    |      |                                       | 126  | 217  | 229  |      | 14929                            | 12375   | 10337   |      | 1337   | 2586  | 9269   |      |      |
| 341 Paper and products                    |      |                                       | 67   | 83   | 89   |      | 8046                             | 10128   | 9147    |      | 1218   | 3274  | 7895   |      |      |
| 342 Printing and publishing               |      |                                       | 190  | 359  | 380  |      | 8170                             | 8015    | 8144    |      | 1306   | 2960  | 9810   |      |      |
| 351 Industrial chemicals                  |      |                                       | 50   | 62   | 62   |      | 5786                             | 6665    | 5654    |      | 993    | 2516  | 6611   |      |      |
| 352 Other chemicals                       |      |                                       | 119  | 189  | 207  |      | 10635                            | 8104    | 9235    |      | 1747   | 3121  | 11667  |      |      |
| 353 Petroleum refineries                  |      |                                       | 3    | 3    | 3    |      | 547                              | 1151    | 1118    |      | 80     | 498   | 1278   |      |      |
| 354 Misc petroleum and coal products      |      |                                       | 15   | 13   | 13   |      |                                  |         |         |      |        |   |        |      |      |
| 355 Rubber products                       |      |                                       | 33   | 48   | 50   |      | 4546                             | 4685    | 5129    |      | 622    | 1274  | 5699   |      |      |
| 356 Plastic products                      |      |                                       | 195  | 337  | 357  |      | 6010                             | 5645    | 4784    |      | 743    | 1500  | 3723   |      |      |
| 361 Pottery, china, earthenware           |      |                                       | 9    | 14   | 14   |      | 15774a/                          | 15430a/ | 13038a/ |      | 1895a/ | 3880a/  | 9866a/ |      |      |
| 362 Glass and products                    |      |                                       | 20   | 27   | 27   |      | a/                               | a/      | a/      |      | a/     | a/  | a/     |      |      |
| 369 Other non-metallic mineral products   |      |                                       | 112  | 151  | 160  |      | a/                               | a/      | a/      |      | a/     | a/  | a/     |      |      |
| 371 Iron and steel                        |      |                                       | 16   | 16   | 19   |      | 21018                            | 17715   | 14823   |      | 2470   | 3460  | 10163  |      |      |
| 372 Non-ferrous metals                    |      |                                       | 28   | 39   | 39   |      | 7799                             | 5893    | 5521    |      | 1018   | 1640  | 4818   |      |      |
| 381 Fabricated metal products             |      |                                       | 503  | 772  | 833  |      | 28289                            | 25994   | 21732   |      | 3302   | 6284  | 16930  |      |      |
| 382 Non-electrical machinery              |      |                                       | 244  | 364  | 372  |      | 39889                            | 33919   | 29467   |      | 4718   | 7959  | 21715  |      |      |
| 383 Electrical machinery                  |      |                                       | 616  | 963  | 997  |      | 38091                            | 33660   | 30334   |      | 4561   | 8476  | 23718  |      |      |
| 384 Transport equipment                   |      |                                       | 107  | 152  | 158  |      | 22373                            | 20244   | 18262   |      | 2718   | 5232  | 13146  |      |      |
| 385 Professional and scientific equipment |      |                                       | 35   | 65   | 69   |      | 1804                             | 1969    | 1997    |      | 187    | 471   | 1296   |      |      |
| 390 Other manufacturing industries        |      |                                       | 55   | 89   | 96   |      | 4195                             | 3754    | 2835    |      | 553    | 967   | 2369   |      |      |
| 3 Total manufacturing                     |      |                                       | 3770 | 5763 | 6044 |      | 343309                           | 317682  | 287256  |      | 41451  | 81692   | 232052 |      |      |

a/ 361 includes 362 and 369



## Slovenia

| ISIC Industry                             | Note | Output in producers' prices |         |         |      | Note   | Value added in producers' prices |         |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-----------------------------|---------|---------|------|--------|----------------------------------|---------|------|------|--------------------------------|------|--|------|
|   |      | (million TOLARS)            |         |         |      |        | (million TOLARS)                 |         |      |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                        | 1990    | 1991    | 1992 |        | 1985                             | 1990    | 1991 | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       |      | 16037                       | 36581   | 90091   |      | 4682   | 10487                            | 27903   |      | 31 0 |                                | 61 7 |  |      |
| 313 Beverages                             |      | 2942                        | 6686    | 21297   |      | 1251   | 2942                             | 9723    |      | 45 7 |                                | 49 0 |  |      |
| 314 Tobacco                               |      | 965                         | 2355    | 16046   |      | 787    | 1856                             | 13291   |      | 82 0 |                                | 10 4 |  |      |
| 321 Textiles                              |      | 13807                       | 27192   | 71550   |      | 6556   | 13524                            | 36463   |      | 50 9 |                                | 84 2 |  |      |
| 322 Wearing apparel, except footwear      |      | 334                         | 309     | 310     |      | 103    | 188                              | 147     |      | 47 4 |                                |      |  |      |
| 323 Leather and fur products              |      | 2154                        | 4446    | 11666   |      | 846    | 1360                             | 4083    |      | 35 0 |                                | 81 0 |  |      |
| 324 Footwear, except rubber or plastic    |      | 2315                        | 4016    | 16432   |      | 762    | 1651                             | 8508    |      | 51 8 |                                | 76 1 |  |      |
| 331 Wood products, except furniture       |      | 7721                        | 15076   | 32876   |      | 2022   | 3742                             | 9582    |      | 29 1 |                                | 86 5 |  |      |
| 332 Furniture and fixtures, excl. metal   |      | 4445                        | 9024    | 32694   |      | 1206   | 2362                             | 10361   |      | 31 7 |                                | 89 5 |  |      |
| 341 Paper and products                    |      | 6338                        | 17966   | 40408   |      | 1682   | 5113                             | 9360    |      | 23 2 |                                | 84 3 |  |      |
| 342 Printing and publishing               |      | 4700                        | 11223   | 31733   |      | 1914   | 4688                             | 14183   |      | 44 7 |                                | 69 2 |  |      |
| 351 Industrial chemicals                  |      | 5890                        | 13515   | 30106   |      | 2105   | 3779                             | 10796   |      | 35 9 |                                | 61 2 |  |      |
| 352 Other chemicals                       |      | 8959                        | 18775   | 47053   |      | 3390   | 7268                             | 19912   |      | 42 3 |                                | 58 1 |  |      |
| 353 Petroleum refineries                  |      | 858                         | 5460    | 13810   |      | 117    | 639                              | 3193    |      | 23 1 |                                | 40 0 |  |      |
| 354 Misc. petroleum and coal products     |      |                             |         |         |      |        |                                  |         |      |      |                                |      |  |      |
| 355 Rubber products                       |      | 2778                        | 5672    | 21000   |      | 818    | 1588                             | 8076    |      | 38 5 |                                | 69 3 |  |      |
| 356 Plastic products                      |      | 3552                        | 7131    | 14843   |      | 1140   | 1831                             | 6317    |      | 35 8 |                                | 70 0 |  |      |
| 361 Pottery, china, earthenware           |      | 6468a/                      | 13147a/ | 32716a/ |      | 2740a/ | 4628a/                           | 13135a/ |      | 40 1 |                                | 76 1 |  |      |
| 362 Glass and products                    |      | a/                          | a/      | a/      |      | a/     | a/                               | a/      |      |      |                                |      |  |      |
| 369 Other non-metallic mineral products   |      | a/                          | a/      | a/      |      | a/     | a/                               | a/      |      |      |                                |      |  |      |
| 371 Iron and steel                        |      | 9381                        | 19003   | 36576   |      | 2349   | 4045                             | 5225    |      | 14 3 |                                |      |  |      |
| 372 Non-ferrous metals                    |      | 5128                        | 8076    | 27048   |      | 1336   | 1316                             | 4709    |      | 17 4 |                                |      |  |      |
| 381 Fabricated metal products             |      | 11221                       | 21198   | 54252   |      | 4242   | 6378                             | 20607   |      | 37 8 |                                | 82 6 |  |      |
| 382 Non-electrical machinery              |      | 18238                       | 31879   | 77275   |      | 4397   | 8210                             | 24767   |      | 32 0 |                                | 87 7 |  |      |
| 383 Electrical machinery                  |      | 15047                       | 28917   | 77809   |      | 5654   | 8881                             | 31561   |      | 40 6 |                                | 75 1 |  |      |
| 384 Transport equipment                   |      | 13215                       | 29441   | 82672   |      | 3252   | 4345                             | 16528   |      | 20 0 |                                | 79 5 |  |      |
| 385 Professional and scientific equipment |      | 608                         | 1384    | 4381    |      | 241    | 398                              | 1376    |      | 31 4 |                                | 94 2 |  |      |
| 390 Other manufacturing industries        |      | 2178                        | 4492    | 9389    |      | 744    | 1444                             | 3337    |      | 35 5 |                                | 71 0 |  |      |
| 3 Total manufacturing                     |      | 165279                      | 342942  | 894132  |      | 64235  | 102563                           | 312032  |      | 34 9 |                                | 74 4 |  |      |

a/ 361 includes 362 and 369.

## Slovenia

| ISIC Industry                             | Note | Gross fixed capital formation |       |        |        | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|-------|--------|--------|------|--|------|------|------|------|------|------|------|
|   |      | (million TOLARS)              |       |        |        |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990  | 1991   | 1992   |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                               | 663   | 1486   | 2843   |      |  |      |      |      |      |      |      |      |
| 313 Beverages                             |      |                               | 186   | 839    | 2018   |      |  |      |      |      |      |      |      |      |
| 314 Tobacco                               |      |                               | 31    | 122    | 667    |      |  |      |      |      |      |      |      |      |
| 321 Textiles                              |      |                               | 526   | 1231   | 2992   |      |  |      |      |      |      |      |      |      |
| 322 Wearing apparel, except footwear      |      |                               |       |        |        |      |  |      |      |      |      |      |      |      |
| 323 Leather and fur products              |      |                               | 80    | 82     | 373    |      |  |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      |                               | 57    | 130    | 241    |      |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      |                               | 110   | 81     | 832    |      |  |      |      |      |      |      |      |      |
| 332 Furniture and fixtures, excl. metal   |      |                               | 223   | 613    | 737    |      |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      |                               | 612   | 2052   | 1890   |      |  |      |      |      |      |      |      |      |
| 342 Printing and publishing               |      |                               | 96    | 533    | 869    |      |  |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      |                               | 171   | 609    | 978    |      |  |      |      |      |      |      |      |      |
| 352 Other chemicals                       |      |                               | 912a/ | 2871a/ | 5071a/ |      |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      |                               | 5     | 76     | 158    |      |  |      |      |      |      |      |      |      |
| 354 Misc petroleum and coal products      |      |                               |       |        |        |      |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      |                               | 189   | 379    | 1128   |      |  |      |      |      |      |      |      |      |
| 356 Plastic products                      |      |                               | a/    | a/     | a/     |      |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      |                               | 195   | 472    | 1078   |      |  |      |      |      |      |      |      |      |
| 362 Glass and products                    |      |                               |       |        |        |      |  |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      |                               | 167   | 177    | 326    |      |  |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      |                               | 71    | 198    | 717    |      |  |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |      |                               | 222   | 214    | 763    |      |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      |                               | 406   | 807    | 2064   |      |  |      |      |      |      |      |      |      |
| 382 Non-electrical machinery              |      |                               | 211b/ | 229b/  | 696b/  |      |  |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      |                               | 880   | 2085   | 3394   |      |  |      |      |      |      |      |      |      |
| 384 Transport equipment                   |      |                               | 582   | 1109   | 8714   |      |  |      |      |      |      |      |      |      |
| 385 Professional and scientific equipment |      |                               | b/    | b/     | b/     |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      |                               | 6     | 40     | 129    |      |  |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      |                               | 6600  | 16435  | 38668  |      |  |      |      |      |      |      |      |      |

a/ 352 includes 356

b/ 382 includes 385

## SOUTH AFRICA

**Supplier of information:**

Central Statistical Service, Pretoria.

**Basic source of data:**

Monthly surveys and periodic censuses.

**Major deviations from current version of ISIC:**

Manufacture mainly for consumption on premises, grain mills and sawmills operated by farmers for and at their own convenience, and custom milling by retail stores are excluded from manufacturing activity.

**Reference period (if not calendar year):****Scope:**

All private manufacturing establishments.

For the number of establishments and wages and salaries, some government establishments are included.

**Method of enumeration:**

Monthly surveys are conducted on a sample basis.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

Number of employees is the number on the last day of June.

Wages and salaries includes some employer's contributions to some pension, holiday and medical aid funds. Unemployment insurance, workmen's compensation and payments in kind are excluded.

Output is the value of goods manufactured and work done.

Value added relates to the contribution of each branch of industry to gross domestic product.

Gross fixed capital formation is derived from national accounts calculations.

**Related national publications:**

South African Statistics (biennially); Bulletin of Statistics (quarterly), both published by the Central Statistical Service, Pretoria.

South Africa

|  | Number of establishments<br>(numbers) |       |      | Number of employees<br>(thousands) |      |      | Wages and salaries paid<br>to employees<br>(million RAND) |      |        |      |      |        |
|--|---------------------------------------|-------|------|------------------------------------|------|------|---|------|--------|------|------|--------|
|  | 1985                                  | 1990  | 1991 | 1992                               | 1985 | 1990 | 1991  | 1992 | 1985   | 1990 | 1991 | 1992   |
| ISIC Industry                                    | Note                                  |       |      |                                    |      |      |   |      |        |      |      |        |
| 311/2 Food products                              |                                       | 1785  |      |                                    | 185  |      |   |      | 1256   |      |      |        |
| 3111 Slaughtering, preparing & preserving meat   |                                       | 279   |      |                                    | 27   |      |   |      | 148    |      |      |        |
| 3112 Dairy products                              |                                       | 114   |      |                                    | 11   |      |   |      | 111    |      |      |        |
| 3113 Canning, preserving of fruits & vegetables  |                                       | 137   |      |                                    | 26   |      |   |      | 120    |      |      |        |
| 3114 Canning, preserving and processing of fish  |                                       | 56    |      |                                    | 10   |      |   |      | 58     |      |      |        |
| 3115 Vegetable and animal oils and fats          |                                       | 26    |      |                                    | 7    |      |   |      | 60     |      |      |        |
| 3116 Grain mill products                         |                                       | 260   |      |                                    | 21   |      |   |      | 152    |      |      |        |
| 3117 Bakery products                             |                                       | 594   |      |                                    | 31   |      |   |      | 204    |      |      |        |
| 3118 Sugar factories and refineries              |                                       | 18    |      |                                    | 17   |      |   |      | 119    |      |      |        |
| 3119 Cocoa, chocolate and sugar confectionery    |                                       | 65    |      |                                    | 10   |      |   |      | 119    |      |      |        |
| 3121 Other food products                         |                                       | 198   |      |                                    | 16   |      |   |      | 136    |      |      |        |
| 3122 Prepared animal feeds                       |                                       | 79    |      |                                    | 9    |      |   |      | 62     |      |      |        |
| 313 Beverages                                    |                                       | 258   |      |                                    | 36   |      |   |      | 319    |      |      | 1066   |
| 3131 Distilling, rectifying and blending spirits |                                       | 116   |      |                                    | 12a/ |      |   |      | 106a/  |      |      |        |
| 3132 Wine industries                             |                                       | 44    |      |                                    | 12   |      |   |      | 106    |      |      |        |
| 3133 Malt liquors and salt                       |                                       | 21    |      |                                    | 11   |      |   |      | 107    |      |      |        |
| 3134 Soft drinks and carbonated waters           |                                       | 77    |      |                                    |      |      |   |      |        |      |      |        |
| 314 Tobacco                                      |                                       | 13    |      |                                    | 5    |      |   |      | 57     |      |      | 123    |
| 321 Textiles                                     |                                       | 705   |      |                                    | 95   |      |   |      | 988    |      |      | 1473   |
| 3211 Spinning, weaving and finishing textiles    |                                       | 160   |      |                                    | 54   |      |   |      | 306    |      |      |        |
| 3212 Made-up textile goods excl. wearing apparel |                                       | 347   |      |                                    | 14   |      |   |      | 113    |      |      |        |
| 3213 Knitting mills                              |                                       | 18    |      |                                    | 18   |      |   |      | 102    |      |      |        |
| 3214 Carpets and rugs                            |                                       | 32    |      |                                    | 4    |      |   |      | 29     |      |      |        |
| 3215 Cordage, rope and twine                     |                                       | 10    |      |                                    | 2    |      |   |      | 12     |      |      |        |
| 3219 Other textiles                              |                                       | 33    |      |                                    | 3    |      |   |      | 27     |      |      |        |
| 322 Wearing apparel, except footwear             |                                       | 1231  |      |                                    | 124  |      |   |      | 666    |      |      | 1678   |
| 323 Leather and fur products                     |                                       | 161   |      |                                    | 9    |      |   |      | 48     |      |      | 164    |
| 3231 Tanneries and leather finishing             |                                       | 24    |      |                                    | 4b/  |      |   |      | 260/   |      |      |        |
| 3232 Fur dressing and dyeing industries          |                                       | 11    |      |                                    | b/   |      |   |      | b/     |      |      |        |
| 3233 Leather prods. excl. wearing apparel        |                                       | 126   |      |                                    | 5    |      |   |      | 22     |      |      |        |
| 324 Footwear, except rubber or plastic           |                                       | 166   |      |                                    | 29   |      |   |      | 167    |      |      | 417    |
| 331 Wood products, except furniture              |                                       | 684   |      |                                    | 56   |      |   |      | 229    |      |      | 606    |
| 3311 Sawnmills, planing and other wood mills     |                                       | 434   |      |                                    | 4b   |      |   |      | 196    |      |      |        |
| 3312 Wooden and cane containers                  |                                       | 65    |      |                                    | 5    |      |   |      | 78     |      |      |        |
| 3319 Other wood and cork products                |                                       | 185   |      |                                    | 3    |      |   |      | 6      |      |      |        |
| 332 Furniture and fixtures, excl. metal          |                                       | 1092  |      |                                    | 29   |      |   |      | 249    |      |      | 664    |
| 341 Paper and products                           |                                       | 283   |      |                                    | 40   |      |   |      | 432    |      |      | 1546   |
| 3411 Pulp, paper and paperboard articles         |                                       | 27    |      |                                    | 16   |      |   |      | 181    |      |      |        |
| 3412 Containers of paper and paperboard          |                                       | 162   |      |                                    | 18   |      |   |      | 176    |      |      |        |
| 3419 Other pulp, paper and paperboard articles   |                                       | 94    |      |                                    | 7    |      |   |      | 76     |      |      |        |
| 342 Printing and publishing                      |                                       | 1338  |      |                                    | 46   |      |   |      | 602    |      |      | 1833   |
| 351 Industrial chemicals                         |                                       | 247   |      |                                    | 44   |      |   |      | 1728c/ |      |      | 1632   |
| 3511 Basic chemicals excl. fertilizers           |                                       | 143   |      |                                    | 26   |      |   |      | 368    |      |      |        |
| 3512 Fertilizers and pesticides                  |                                       | 60    |      |                                    | 7    |      |   |      | 68     |      |      |        |
| 3513 Synthetic resins and plastic materials      |                                       | 44    |      |                                    | 11   |      |   |      | 154    |      |      |        |
| 352 Other chemicals                              |                                       | 597d/ |      |                                    | 71   |      |   |      | c/     |      |      | 3700d/ |
| 3521 Paints, varnishes and lacquers              |                                       | 104   |      |                                    | 8    |      |   |      | 82     |      |      | d/     |
| 3522 Drugs and medicines                         |                                       | 89    |      |                                    | 10   |      |   |      | 131    |      |      |        |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |                                       | 161   |      |                                    | 13   |      |   |      | 160    |      |      |        |
| 3529 Other chemical products                     |                                       | 243   |      |                                    | 40   |      |   |      |        |      |      |        |
| 353 Petroleum refineries                         |                                       | d/    |      |                                    | d/   |      |   |      |        |      |      |        |

|   |       |    |       |      |      |      |        |       |       |       |
|---|-------|----|-------|------|------|------|--------|-------|-------|-------|
| 354 Misc petroleum and coal products            | d/    | d/ |       |      |      | c/   | d/     | d/    | d/    |       |
| 355 Rubber products                             | 95    |    | 18    | 18   | 18   | 17   | 213    | 446   | 467   | 542   |
| 3551 Tyres and tubes                            | 6     |    | 9     |      |      |      | 102    |       |       |       |
| 3559 Other rubber products                      | 89    |    | 9     |      |      |      | 111    |       |       |       |
| 356 Plastic products                            | 507   |    | 30    | 44   | 46   | 47   | 301    | 846   | 920   | 1077  |
| 361 Pottery, china, earthenware                 | 81    |    | 85e/  | 6    | 6    | 6    | 672e/  | 78    | 76    | 80    |
| 362 Glass and products                          | 58    |    | e/    | 10   | 10   | 9    | e/     | 261   | 287   | 338   |
| 369 Other non-metallic mineral products         | 1073  |    | e/    | 71   | 68   | 66   | e/     | 1166  | 1218  | 1382  |
| 3691 Structural clay products                   | 351   |    | 34    |      |      |      | 212    |       |       |       |
| 3692 Cement, lime and plaster                   | 22    |    | 6     |      |      |      | 82     |       |       |       |
| 3699 Other non-metallic mineral products        | 700   |    | 34    |      |      |      | 267    |       |       |       |
| 371 Iron and steel                              | 211   |    | 110f/ | 80   | 78   | 73   | 1443f/ | 2441  | 2701  | 2951  |
| 372 Non-ferrous metals                          | 111   |    | f/    | 21   | 20   | 19   | f/     | 617   | 646   | 629   |
| 381 Fabricated metal products                   | 2958  |    | 175   | 137  | 129  | 121  | 1314   | 2783  | 2709  | 2902  |
| 3811 Cutlery, hand tools and general hardware   | 141   |    | 6     |      |      |      | 54     |       |       |       |
| 3812 Furniture and fixtures primarily of metal  | 112   |    | 7     |      |      |      | 67     |       |       |       |
| 3813 Structural metal products                  | 1033  |    | 50    |      |      |      | 562    |       |       |       |
| 3819 Other fabricated metal products            | 1672  |    | 62    |      |      |      | 631    |       |       |       |
| 382 Non-electrical machinery                    | 1894  |    | 90    | 82   | 75   | 71   | 1191   | 2102  | 2276  | 2460  |
| 3821 Engines and turbines                       | 869g/ |    | 43g/  |      |      |      | 673g/  |       |       |       |
| 3822 Agricultural machinery and equipment       | 112   |    | 5     |      |      |      | 47     |       |       |       |
| 3823 Metal and wood working machinery           | 112   |    | 3     |      |      |      | 37     |       |       |       |
| 3824 Other special industrial machinery         | 783   |    | 38    |      |      |      | 527    |       |       |       |
| 3825 Office, computing and accounting machinery | 18    |    | 1     |      |      |      | 7      |       |       |       |
| 3829 Other non-electrical machinery & equipment | g/    |    | g/    |      |      |      | g/     |       |       |       |
| 383 Electrical machinery                        | 845   |    | 66    | 86   | 92   | 96   | 600    | 1977  | 2434  | 2806  |
| 3831 Electrical industrial machinery            | 596   |    | 28    |      |      |      | 350    |       |       |       |
| 3832 Radio, television and communication equipm | 108   |    | 20    |      |      |      | 261    |       |       |       |
| 3833 Electrical appliances and housewares       | 32    |    | 3     |      |      |      | 23     |       |       |       |
| 3839 Other electrical apparatus and supplies    | 109   |    | 15    |      |      |      | 176    |       |       |       |
| 384 Transport equipment                         | 1099  |    | 104   | 104  | 98   | 91   | 1258   | 2713  | 2854  | 3082  |
| 3841 Shipbuilding and repairing                 | 185h/ |    | 13h/  |      |      |      | 214h/  |       |       |       |
| 3842 Railroad equipment                         | h/    |    | h/    |      |      |      | h/     |       |       |       |
| 3843 Motor vehicles                             | 863   |    | 85    |      |      |      | 968    |       |       |       |
| 3844 Motorcycles and bicycles                   | h/    |    | h/    |      |      |      | h/     |       |       |       |
| 3845 Aircraft                                   | h/    |    | h/    |      |      |      | h/     |       |       |       |
| 3849 Other transport equipment                  | 51    |    | 6     |      |      |      | 76     |       |       |       |
| 385 Professional and scientific equipment       | 215   |    | 6     | 7    | 7    | 7    | 69     | 147   | 168   | 188   |
| 3851 Prof and scientific equipment n e c        | 161   |    | 5     |      |      |      | 57     |       |       |       |
| 3852 Photographic and optical goods             | 54i/  |    | 1i/   |      |      |      | 12i/   |       |       |       |
| 3853 Watches and clocks                         | i/    |    | i/    |      |      |      | i/     |       |       |       |
| 390 Other manufacturing industries              | 932   |    | 20    | 26   | 25   | 24   | 161    | 333   | 376   | 442   |
| 3901 Jewellery and related articles             | 376   |    | 4     |      |      |      | 39     |       |       |       |
| 3902 Musical instruments                        | 11    |    | 3     |      |      |      | 3      |       |       |       |
| 3903 Sporting and athletic goods                | 49    |    | 1     |      |      |      | 8      |       |       |       |
| 3909 Manufacturing industries, n e c            | 496   |    | 12    |      |      |      | 111    |       |       |       |
| 3 Total manufacturing                           | 18640 |    | 1422  | 1526 | 1484 | 1441 | 13670  | 30286 | 33661 | 37889 |

a/ 3131 includes 3132  
c/ 351 includes 352, 353 and 354  
e/ 361 includes 362 and 369  
g/ 3821 includes 3829  
i/ 3852 includes 3853

b/ 3231 includes 3232  
d/ 362 includes 363 and 364  
f/ 371 includes 372  
h/ 3841 includes 3842, 3844 and 3846.

South Africa

| ISIC Industry                                    | Note     | Output<br>(million RAND) |         |         |         | Note | Value added in factor values<br>(million RAND) |      |      |      | Share of value added in output<br>(percentage) |      | Share of wages and salaries in value added<br>(percentage) |      |
|--|----------|--------------------------|---------|---------|---------|------|--|------|------|------|--|------|--|------|
|  |          | 1985                     | 1990    | 1991    | 1992    |      | 1985   | 1990 | 1991 | 1992 | 1985   | 1992 | 1985   | 1992 |
| 1512 Food Products                               |          | 12140                    | 24340   | 26578   | 29215   |      | 2797   | 5740 | 7088 | 8167 | 23.0   | 28.0 | 45.3   | 51.9 |
| 3111 Slaughtering, preparing & preserving meat   |          | 1192                     | 2384    | 2668    | 2767    |      |  |      |      |      |  |      |  |      |
| 3112 Dairy products                              |          | 1026                     | 2271    | 2357    | 2699    |      |  |      |      |      |  |      |  |      |
| 3113 Canning, preserving of fruits & vegetables  |          | 1097                     | 2326    | 2534    | 2796    |      |  |      |      |      |  |      |  |      |
| 3114 Canning, preserving and processing of fish  |          | 410                      | 754     | 877     | 1068    |      |  |      |      |      |  |      |  |      |
| 3115 Vegetable and animal oils and fats          |          | 999                      | 1898    | 2224    | 2352    |      |  |      |      |      |  |      |  |      |
| 3116 Grain mill products                         |          | 2551                     | 4550    | 5090    | 5798    |      |  |      |      |      |  |      |  |      |
| 3117 Bakery products                             |          | 1098                     | 2200    | 2532    | 2792    |      |  |      |      |      |  |      |  |      |
| 3118 Sugar factories and refineries              |          | 1037                     | 2041    | 2039    | 1997    |      |  |      |      |      |  |      |  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |          | 536                      | 1224    | 1393    | 1296    |      |  |      |      |      |  |      |  |      |
| 3121 Other food products                         |          | 1223                     | 2396    | 2579    | 2834    |      |  |      |      |      |  |      |  |      |
| 3122 Prepared animal feeds                       |          | 971                      | 2296    | 2285    | 2846    |      |  |      |      |      |  |      |  |      |
| 313 Beverages                                    |          | 3300                     | 8630    | 9457    | 11184   |      | 916  | 2727 | 3218 | 4046 | 27.8   | 36.2 | 34.8   | 26.3 |
| 3131 Distilling, rectifying and blending spirits |          | 1149                     | 2562    | 2712    | 3014    |      |  |      |      |      |  |      |  |      |
| 3132 Wine industries                             | a/<br>3/ |                          |         |         |         |      |  |      |      |      |  |      |  |      |
| 3133 Malt liquors and malt                       |          | 1412                     | 4141    | 4562    | 5485    |      |  |      |      |      |  |      |  |      |
| 3134 Soft drinks and carbonated waters           |          | 739                      | 1927    | 2181    | 2685    |      |  |      |      |      |  |      |  |      |
| 314 Tobacco                                      |          | 877                      | 1711    | 1998    | 2256    |      | 236  | 214  | 265  | 348  | 26.9   | 16.4 | 24.2   | 35.3 |
| 321 Textiles                                     |          | 3117                     | 6344    | 6655    | 6678    |      | 893  | 2200 | 2296 | 2439 | 28.6   | 36.6 | 55.8   | 60.4 |
| 3211 Spinning, weaving and finishing textiles    |          | 1883                     | 3786    | 4062    | 4072    |      |  |      |      |      |  |      |  |      |
| 3212 Made-up textile goods excl. wearing apparel |          | 290                      | 723     | 733     | 781     |      |  |      |      |      |  |      |  |      |
| 3213 Knitting mills                              |          | 388                      | 1008    | 1007    | 1014    |      |  |      |      |      |  |      |  |      |
| 3214 Carpets and rugs                            |          | 215                      | 361     | 364     | 323     |      |  |      |      |      |  |      |  |      |
| 3215 Cordage, rope and twine                     |          | 75                       |         |         |         |      |  |      |      |      |  |      |  |      |
| 3219 Other textiles                              |          | 266                      | 466     | 489     | 488     |      |  |      |      |      |  |      |  |      |
| 322 Wearing apparel, except footwear             |          | 1829                     | 4471    | 4849    | 4912    |      | 732  | 1813 | 2046 | 2211 | 40.0   | 46.0 | 77.2   | 71.4 |
| 323 Leather and fur products                     |          | 409                      | 836     | 844     | 900     |      | 96   | 194  | 119  | 284  | 23.5   | 31.6 | 60.0   | 54.2 |
| 3231 Tanneries and leather finishing             |          | 316b/                    |         |         |         |      |  |      |      |      |  |      |  |      |
| 3232 Fur dressing and dyeing industries          |          | b/                       |         |         |         |      |  |      |      |      |  |      |  |      |
| 3233 Leather prods. excl. wearing apparel        |          | 93                       |         |         |         |      |  |      |      |      |  |      |  |      |
| 324 Footwear, except rubber or plastic           |          | 772                      | 1706    | 1894    | 1760    |      | 247  | 816  | 774  | 696  | 32.0   | 39.6 | 67.6   | 69.9 |
| 331 Wood products, except furniture              |          | 1227                     | 3027    | 3210    | 3256    |      | 417  | 1212 | 997  | 1029 | 34.0   | 31.6 | 54.9   | 66.7 |
| 3311 Sawmills, planing and other wood mills      |          | 842                      | 2034    | 2101    | 2052    |      |  |      |      |      |  |      |  |      |
| 3312 Wooden and cane containers                  |          | 62                       | 993c/   | 1109c/  | 1204c/  |      |  |      |      |      |  |      |  |      |
| 3319 Other wood and cork products                |          | 323                      | c/      | c/      | c/      |      |  |      |      |      |  |      |  |      |
| 332 Furniture and fixtures, excl. metal          |          | 909                      | 2251d/  | 2502d/  | 2649d/  |      | 303  | 796  | 830  | 794  | 33.3   | 30.0 | 82.2   | 83.6 |
| 341 Paper and products                           |          | 3133                     | 8659    | 9634    | 10302   |      | 1033   | 3125 | 3349 | 3442 | 33.0   | 33.4 | 41.8   | 44.9 |
| 3411 Pulp, paper and paperboard articles         |          | 1610                     | 4519    | 4802    | 5232    |      |  |      |      |      |  |      |  |      |
| 3412 Containers of paper and paperboard          |          | 973                      | 2944    | 3370    | 3654    |      |  |      |      |      |  |      |  |      |
| 3419 Other pulp, paper and paperboard articles   |          | 550                      | 1196    | 1462    | 1516    |      |  |      |      |      |  |      |  |      |
| 342 Printing and publishing                      |          | 1575                     | 3952    | 4521    | 4973    |      | 859  | 1973 | 2466 | 2506 | 64.6   | 60.4 | 70.1   | 73.2 |
| 351 Industrial chemicals                         |          | 4529                     | 9347    | 10157   | 10398   |      | 1571   | 2411 | 3289 | 3672 | 34.7   | 34.4 |  | 42.9 |
| 3511 Basic chemicals excl. fertilizers           |          | 1576                     | 3082    | 3319    | 3448    |      |  |      |      |      |  |      |  |      |
| 3512 Fertilizers and pesticides                  |          | 1449                     | 2493    | 2915    | 2676    |      |  |      |      |      |  |      |  |      |
| 3513 Synthetic resins and plastic materials      |          | 1504                     | 3772    | 3923    | 4274    |      |  |      |      |      |  |      |  |      |
| 352 Other chemicals                              |          | 11918e/                  | 10163   | 11478   | 12083   | e/   | 4968   | 7024 | 7142 | 8138 | 41.7   |      |  | 46.6 |
| 3521 Paints, varnishes and lacquers              |          | 558                      | 1322    | 1486    | 1382    |      |  |      |      |      |  |      |  |      |
| 3522 Drugs and medicines                         |          | 922                      | 2682    | 3109    | 3519    |      |  |      |      |      |  |      |  |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |          | 1256                     | 2459    | 2879    | 3192    |      |  |      |      |      |  |      |  |      |
| 3529 Other chemical products                     |          |                          | 3640    | 4004    | 3990    |      |  |      |      |      |  |      |  |      |
| 353 Petroleum refineries                         |          | e/                       | 11121f/ | 12482f/ | 12243f/ | e/   |  |      |      |      |  |      |  |      |

|   | e/     | f/      | f/      | f/      | e/ |       |       |       |       |      |      |           |
|---|--------|---------|---------|---------|----|-------|-------|-------|-------|------|------|-----------|
| 354 Misc petroleum and coal products            |        |         |         |         |    |       |       |       |       |      |      |           |
| 355 Rubber products                             | 1005   | 2690    | 2592    | 2785    |    | 344   | 1036  | 1035  | 1031  | 34 2 | 37 0 | 61 9 62 6 |
| 3551 Tyres and tubes                            | 632    | 1690    | 1579    | 1724    |    |       |       |       |       |      |      |           |
| 3559 Other rubber products                      | 373    | 1000    | 1013    | 1061    |    |       |       |       |       |      |      |           |
| 356 Plastic products                            | 1432   | 4555    | 5017    | 5504    |    | 493   | 1447  | 1706  | 1806  | 34 4 | 32 8 | 61 1 59 6 |
| 361 Pottery, china, earthenware                 | 99     | 183     | 175     | 159     |    | 52    | 108   | 39    | 130   | 52 5 | 81 8 | 61 6      |
| 362 Glass and products                          | 509    | 1438    | 1518    | 1411    |    | 223   | 755   | 830   | 963   | 43 8 | 68 2 | 36 1      |
| 369 Other non-metallic mineral products         | 2145   | 4743    | 4893    | 4998    |    | 1054  | 2054  | 2124  | 2571  | 49 1 | 51 4 | 53 8      |
| 3691 Structural clay products                   | 607    | 1329    | 1301    | 1258    |    |       |       |       |       |      |      |           |
| 3692 Cement, lime and plaster                   | 521    | 1165    | 1247    | 1381    |    |       |       |       |       |      |      |           |
| 3699 Other non-metallic mineral products        | 1017   | 2249    | 2345    | 2359    |    |       |       |       |       |      |      |           |
| 371 Iron and steel                              | 6301   | 13063   | 13034   | 12593   |    | 2161  | 6059  | 5862  | 5658  | 34 3 | 62 9 | 44 3      |
| 372 Non-ferrous metals                          | 1970   | 4990    | 4864    | 4737    |    | 915   | 1859  | 2417  | 2425  | 46 4 | 51 2 | 25 9      |
| 381 Fabricated metal products                   | 5745   | 11009d/ | 11973d/ | 12818d/ |    | 1885  | 4388  | 4231  | 4594  | 32 8 | 35 8 | 69 7 63 2 |
| 3811 Cutlery, hand tools and general hardware   | 214    | 7239g/  | 7682g/  | 8560g/  |    |       |       |       |       |      |      |           |
| 3812 Furniture and fixtures primarily of metal  | 225    | g/d/    | g/d/    | g/d/    |    |       |       |       |       |      |      |           |
| 3813 Structural metal products                  | 2185   | 3770    | 4291    | 4258    |    |       |       |       |       |      |      |           |
| 3819 Other fabricated metal products            | 3121   | g/      | g/      | g/      |    |       |       |       |       |      |      |           |
| 382 Non-electrical machinery                    | 4073   | 9670    | 9904    | 10268   |    | 1753  | 3704  | 4042  | 4511  | 43 3 | 43 9 | 67 6 64 6 |
| 3821 Engines and turbines                       | 2049h/ | 6190i/  | 6366i/  | 6875i/  |    |       |       |       |       |      |      |           |
| 3822 Agricultural machinery and equipment       | 140    | i/      | i/      | i/      |    |       |       |       |       |      |      |           |
| 3823 Metal and wood working machinery           | 91     | i/      | i/      | i/      |    |       |       |       |       |      |      |           |
| 3824 Other special industrial machinery         | 1759   | 3480    | 3538    | 3393    |    |       |       |       |       |      |      |           |
| 3825 Office, computing and accounting machinery | 34     | i/      | i/      | i/      |    |       |       |       |       |      |      |           |
| 3829 Other non-electrical machinery & equipment | h/     | i/      | i/      | i/      |    |       |       |       |       |      |      |           |
| 383 Electrical machinery                        | 3683   | 8707    | 8803    | 8692    |    | 1331  | 2509  | 2891  | 3389  | 36 1 | 39 0 | 60 1 82 8 |
| 3831 Electrical industrial machinery            | 1084   | 2545    | 2610    | 2621    |    |       |       |       |       |      |      |           |
| 3832 Radio, television and communication equipm | 1242   | 3087j/  | 2942j/  | 277j/   |    |       |       |       |       |      |      |           |
| 3833 Electrical appliances and housewares       | 120    | j/      | j/      | j/      |    |       |       |       |       |      |      |           |
| 3839 Other electrical apparatus and supplies    | 1237   | 3075    | 3251    | 3300    |    |       |       |       |       |      |      |           |
| 384 Transport equipment                         | 5272   | 17500   | 18993   | 19543   |    | 1240  | 4410  | 5043  | 6002  | 23 5 | 30 7 | 61 3      |
| 3841 Shipbuilding and repairing                 | 1630k/ | 5605m/  | 6322m/  | 6758m/  |    |       |       |       |       |      |      |           |
| 3842 Railroad equipment                         | k/     | m/      | m/      | m/      |    |       |       |       |       |      |      |           |
| 3843 Motor vehicles                             | 2972   | 11895   | 12671   | 12785   |    |       |       |       |       |      |      |           |
| 3844 Motorcycles and bicycles                   | k/     | m/      | m/      | m/      |    |       |       |       |       |      |      |           |
| 3845 Aircraft                                   | k/     | m/      | m/      | m/      |    |       |       |       |       |      |      |           |
| 3849 Other transport equipment                  | 670    | m/      | m/      | m/      |    |       |       |       |       |      |      |           |
| 385 Professional and scientific equipment       | 277    | 655     | 796     | 941     |    | 119   | 415   | 509   | 700   | 43 0 | 74 4 | 58 0 26 9 |
| 3851 Prof and scientific equipment n e c        | 244    |         |         |         |    |       |       |       |       |      |      |           |
| 3852 Photographic and optical goods             | 33n/   |         |         |         |    |       |       |       |       |      |      |           |
| 3853 Watches and clocks                         | n/     |         |         |         |    |       |       |       |       |      |      |           |
| 390 Other manufacturing industries              | 759    | 2139    | 1920    | 1894    |    | 540   | 1159  | 1122  | 1270  | 71 1 | 67 1 | 29 8 34 8 |
| 3901 Jewellery and related articles             | 340    | 1246p/  | 980p/   | 888p/   |    |       |       |       |       |      |      |           |
| 3902 Musical instruments                        | 11     | p/      | p/      | p/      |    |       |       |       |       |      |      |           |
| 3903 Sporting and athletic goods                | 29     | 893q/   | 940q/   | 1006q/  |    |       |       |       |       |      |      |           |
| 3909 Manufacturing industries, n e c            | 379    | q/      | q/      | q/      |    |       |       |       |       |      |      |           |
| 3 Total manufacturing                           | 79005  | 177840  | 190741  | 199152  | r/ | 27188 | 59947 | 66568 | 73721 | 34 4 | 37 0 | 60 3 61 4 |

a/ 3131 includes 3132

c/ 3312 includes 3319

e/ 352 includes 353 and 354

g/ 3811 includes 3812 and 3819

i/ 3821 includes 3822, 3823, 3825 and 3829

k/ 3841 includes 3842, 3844 and 3845

n/ 3852 includes 3853

q/ 3903 includes 3909

b/ 3231 includes 3232

d/ 332 includes metal furniture (ISIC 3812)

f/ 353 includes 354

h/ 3821 includes 3829

j/ 3832 includes 3833

m/ 3841 includes 3842, 3844, 3845 and 3849

p/ 3901 includes 3902

r/ Net of stock evaluation adjustment

South Africa

| ISIC Industry                             | Note | Gross fixed capital formation |       |       |       | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|-------|-------|-------|------|--|------|------|------|------|------|------|------|
|   |      | (million RAND)                |       |       |       |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990  | 1991  | 1992  |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                               |       |       |       | 107  | 108                                    | 107  | 108  | 108  | 110  | 116  | 116  | 116  |
| 313 Beverages                             |      |                               |       |       |       | 141  | 149                                    | 160  | 168  | 177  | 188  | 186  | 177  | 180  |
| 314 Tobacco                               |      |                               |       |       |       | 138  | 138                                    | 132  | 130  | 143  | 133  | 140  | 137  | 131  |
| 321 Textiles                              |      |                               |       |       |       | 97   | 91                                     | 94   | 92   | 91   | 88   | 78   | 74   | 71   |
| 322 Wearing apparel, except footwear      |      |                               |       |       |       | 112  | 101                                    | 100  | 111  | 113  | 119  | 119  | 116  | 108  |
| 323 Leather and fur products              |      |                               |       |       |       | 124  | 122                                    | 123  | 119  | 120  | 123  | 126  | 118  | 120  |
| 324 Footwear, except rubber or plastic    |      |                               |       |       |       | 110  | 106                                    | 104  | 116  | 131  | 134  | 129  | 128  | 107  |
| 331 Wood products, except furniture       |      |                               |       |       |       | 104  | 95                                     | 93   | 99   | 106  | 100  | 96   | 94   | 88   |
| 332 Furniture and fixtures, excl metal    |      |                               |       |       |       | 124  | 113                                    | 127  | 131  | 142  | 144  | 140  | 134  | 126  |
| 341 Paper and products                    |      |                               |       |       |       | 135  | 134                                    | 149  | 148  | 161  | 161  | 146  | 139  | 140  |
| 342 Printing and publishing               |      |                               |       |       |       | 120  | 113                                    | 113  | 116  | 120  | 120  | 114  | 113  | 108  |
| 351 Industrial chemicals                  |      |                               |       |       |       | 102  | 102                                    | 100  | 96   | 103  | 110  | 106  | 101  | 94   |
| 352 Other chemicals                       |      |                               |       |       |       | 114  | 108                                    | 116  | 119  | 126  | 124  | 139  | 139  | 136  |
| 353 Petroleum refineries                  |      |                               |       |       |       |      |  |      |      |      |      |      |      |      |
| 354 Misc petroleum and coal products      |      |                               |       |       |       |      |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      |                               |       |       |       | 107  | 100                                    | 108  | 120  | 136  | 142  | 164  | 136  | 137  |
| 356 Plastic products                      |      |                               |       |       |       | 114  | 104                                    | 106  | 126  | 161  | 167  | 163  | 161  | 166  |
| 361 Pottery, china, earthenware           |      |                               |       |       |       | 133  | 110                                    | 103  | 112  | 112  | 103  | 94   | 79   | 66   |
| 362 Glass and products                    |      |                               |       |       |       | 107  | 102                                    | 110  | 119  | 133  | 131  | 136  | 127  | 108  |
| 369 Other non-metallic mineral products   |      |                               |       |       |       | 107  | 89                                     | 86   | 89   | 101  | 97   | 89   | 82   | 76   |
| 371 Iron and steel                        |      |                               |       |       |       | 84   | 89                                     | 86   | 83   | 96   | 100  | 91   | 80   | 73   |
| 372 Non-ferrous metals                    |      |                               |       |       |       | 113  | 104                                    | 106  | 113  | 126  | 136  | 132  | 128  | 121  |
| 381 Fabricated metal products             |      |                               |       |       |       | 98   | 94                                     | 83   | 79   | 77   | 77   | 72   | 69   | 70   |
| 382 Non-electrical machinery              |      |                               |       |       |       | 102  | 97                                     | 96   | 98   | 106  | 108  | 106  | 98   | 94   |
| 383 Electrical machinery                  |      |                               |       |       |       | 116  | 107                                    | 103  | 116  | 128  | 127  | 127  | 117  | 108  |
| 384 Transport equipment                   |      |                               |       |       |       | 93   | 73                                     | 71   | 79   | 97   | 99   | 91   | 87   | 79   |
| 385 Professional and scientific equipment |      |                               |       |       |       | 132  | 169                                    | 163  | 167  | 161  | 166  | 163  | 176  | 196  |
| 390 Other manufacturing industries        |      |                               |       |       |       | 68   | 67                                     | 63   | 71   | 72   | 72   | 61   | 64   | 60   |
| 3 Total manufacturing                     |      | 4398                          | 14026 | 13649 | 12972 | 106  | 101                                    | 100  | 103  | 110  | 112  | 109  | 104  | 100  |



## SPAIN

**Supplier of information:**

Instituto Nacional de Estadística, Ministerio de Economía y Hacienda (Spanish National Institute of Statistics), Madrid.

Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

**Basic source of data:**

Annual statistical inquiry.

**Major deviations from current version of ISIC:**

ISIC 321 includes design of models and patterns and other services related to the clothing industry: Mattresses (part of ISIC 332) are included in ISIC 321; ISIC 322 does not include belts, straps and other accessories made of leather and similar materials, except leather gloves: Umbrellas, sunshades, fans and canes (part of ISIC 390) are included in ISIC 322: Orthopaedic footwear (part of ISIC 385) is included in ISIC 324: Wooden venetian blinds (part of ISIC 332) are included in ISIC 331: Synthetic glycerin, synthetic tanning materials, auxiliary chemicals for the textile, leather and rubber industries, products derived from natural waxes and wood tar and other chemicals derived from wood (part of ISIC 351) are included in ISIC 352: Bituminous products, and residual products and by-products derived from petroleum refining (part of ISIC 354) are included in ISIC 353: Mica and asbestos products and other non-metallic mineral products (part of ISIC 369) are included in ISIC 354: ISIC 372 does not include the units for which the main activity is the extraction and processing of uranium poor in U235, thorium and its alloys: Extinguishers and sprayers (part of ISIC 390) and munitions for light arms (part of ISIC 352) are included in ISIC 382: ISIC 390 includes photographic studios and exclude the manufacture of metal signs and panels.

**Reference period (if not calendar year):****Scope:**

All units employing five or more persons.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

**Number of employees** is calculated as the mean of the number on four dates during the survey (in March, June, October, December) and includes both paid and unpaid staff and office staff as well as operatives.

**Wages and salaries** paid to employees comprises gross salary, wages and payments in kind to the paid staff, excluding employer's social security contributions.

**Output** follows the Spanish definition of gross output, this being the aggregate total of: a) the output of goods and services for sale, including payments received for services and work performed by others and the value of electricity sold; b) goods resold in the same condition as received; c) payments for services rendered (rental of machines, technical assistance, etc.); d) products and work in progress; e) capital formation for own account (fixed assets produced for own use and the value of major repairs and improvements to own capital assets using own resources).

**Value added** is calculated as the difference between the value of gross output and intermediate consumption in purchaser prices. Intermediate consumption includes the cost of a) raw materials and consumables; b) energy consumed for power and heating, steam, electricity, gas, etc., c) purchases of industrial and non-industrial services; and d) goods purchased for resale in the same condition as received.

**Gross fixed capital formation** is calculated by subtracting the value of sales of own fixed assets from the value of purchases of new and used fixed assets, major repairs and improvements to fixed assets performed by others, construction of assets for own account and major repairs and improvements to fixed assets carried out using own materials and labour.

**Related national publications:**

Encuesta Industrial (annual), published by the Instituto Nacional de Estadística, Madrid.

## Spain

| ISIC Industry                                    | Note | Number of establishments |       |       |       | Note  | Number of employees |       |       |      | Note  | Wages and salaries paid to employees |       |       |      |
|--|------|--------------------------|-------|-------|-------|-------|---------------------|-------|-------|------|-------|--------------------------------------|-------|-------|------|
|  |      | (numbers)                |       |       |       |       | (thousands)         |       |       |      |       | (billion PESETAS)                    |       |       |      |
|  |      | 1985                     | 1989  | 1990  | 1991  |       | 1985                | 1989  | 1990  | 1991 |       | 1985                                 | 1989  | 1990  | 1991 |
| 311/2 Food Products                              |      | 36427                    | 35790 | 35628 | 34612 | 228.3 | 255.4               | 258.6 | 260.9 |      | 225.6 | 343.3                                | 374.2 | 405.6 |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 3784                     | 4065  | 4135  | 4197  | 42.1  | 50.2                | 52.8  | 52.9  |      | 38.0  | 61.6                                 | 67.6  | 72.6  |      |
| 3112 Dairy products                              |      | 875                      | 593   | 605   | 623   | 25.1  | 24.2                | 24.5  | 23.6  |      | 33.7  | 44.8                                 | 47.2  | 49.0  |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 746                      | 732   | 744   | 692   | 23.2  | 26.6                | 27.0  | 27.1  |      | 16.8  | 26.0                                 | 28.6  | 32.4  |      |
| 3114 Canning, preserving and processing of fish  |      | 447                      | 393   | 395   | 399   | 15.4  | 16.4                | 16.4  | 17.1  |      | 11.7  | 17.7                                 | 19.3  | 21.9  |      |
| 3115 Vegetable and animal oils and fats          |      | 2168                     | 1936  | 2103  | 2172  | 13.6  | 11.6                | 12.6  | 13.6  |      | 13.8  | 15.0                                 | 16.8  | 19.1  |      |
| 3116 Grain mill products                         |      | 3195                     | 2210  | 2187  | 2044  | 8.6   | 8.0                 | 7.7   | 7.9   |      | 8.6   | 10.6                                 | 11.2  | 12.2  |      |
| 3117 Bakery products                             |      | 22493                    | 27988 | 22671 | 21688 | 57.7  | 71.2                | 68.6  | 69.8  |      | 51.2  | 68.6                                 | 96.7  | 101.0 |      |
| 3118 Sugar factories and refineries              |      | 39                       | 32    | 31    | 32    | 6.1   | 5.4                 | 5.2   | 4.6   |      | 6.6   | 8.0                                  | 9.1   | 8.9   |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 617                      | 454   | 441   | 461   | 10.5  | 10.7                | 11.3  | 11.5  |      | 11.8  | 16.5                                 | 18.9  | 21.0  |      |
| 3121 Other food products                         |      | 1272                     | 1429  | 1335  | 1288  | 16.7  | 19.6                | 21.2  | 21.9  |      | 22.9  | 35.8                                 | 40.2  | 47.6  |      |
| 3122 Prepared animal feeds                       |      | 791                      | 958   | 981   | 1016  | 9.4   | 11.6                | 11.2  | 10.8  |      | 11.7  | 18.9                                 | 19.7  | 20.2  |      |
| 313 Beverages                                    |      | 5431                     | 5987  | 6004  | 5896  | 54.6  | 62.6                | 62.5  | 60.2  |      | 87.6  | 112.0                                | 118.6 | 124.7 |      |
| 3131 Distilling, rectifying and blending spirits |      | 379                      | 297   | 285   | 271   | 6.1   | 5.7                 | 5.5   | 5.0   |      | 9.4   | 11.5                                 | 12.3  | 12.6  |      |
| 3132 Wine industries                             |      | 4034                     | 4785  | 4911  | 4872  | 17.7  | 17.0                | 17.7  | 16.9  |      | 24.1  | 25.8                                 | 27.6  | 28.2  |      |
| 3133 Malt liquors and malt                       |      | 42                       | 39    | 38    | 39    | 13.7  | 12.7                | 12.7  | 12.3  |      | 25.8  | 36.0                                 | 37.6  | 39.9  |      |
| 3134 Soft drinks and carbonated waters           |      | 976                      | 866   | 770   | 714   | 17.0  | 17.2                | 16.6  | 16.1  |      | 28.2  | 39.6                                 | 41.1  | 44.0  |      |
| 314 Tobacco                                      |      | 32                       | 29    | 29    | 28    | 10.4  | 8.9                 | 8.6   | 8.6   |      | 15.3  | 19.6                                 | 21.6  | 22.2  |      |
| 321 Textiles                                     |      | 5373                     | 5367  | 5060  | 4786  | 123.1 | 114.0               | 109.6 | 103.6 |      | 120.2 | 151.3                                | 159.7 | 164.2 |      |
| 3211 Spinning, weaving and finishing textiles    |      | 2279                     | 2055  | 2092  | 1852  | 72.9  | 66.8                | 62.2  | 57.7  |      | 74.6  | 94.0                                 | 97.4  | 98.8  |      |
| 3212 Made-up textile goods excl. wearing apparel |      | 1075                     | 1236  | 1091  | 971   | 12.3  | 11.6                | 11.7  | 11.7  |      | 11.3  | 13.4                                 | 14.4  | 15.9  |      |
| 3213 Knitting mills                              |      | 1236                     | 1346  | 1217  | 1324  | 27.2  | 26.1                | 26.6  | 25.2  |      | 23.6  | 30.6                                 | 33.7  | 34.3  |      |
| 3214 Carpets and rugs                            |      | 102                      | 115   | 103   | 96    | 2.7   | 2.8                 | 2.6   | 2.5   |      | 3.0   | 4.4                                  | 4.7   | 4.8   |      |
| 3215 Cordage, rope and twine                     |      | 119                      | 99    | 86    | 90    | 1.3   | 0.9                 | 1.0   | 1.5   |      | 1.2   | 1.2                                  | 1.4   | 2.1   |      |
| 3219 Other textiles                              |      | 562                      | 516   | 471   | 453   | 6.7   | 5.8                 | 5.5   | 5.1   |      | 6.6   | 7.7                                  | 8.1   | 8.4   |      |
| 322 Wearing apparel, except footwear             |      | 5687                     | 5476  | 5799  | 5430  | 71.6  | 80.2                | 86.7  | 88.8  |      | 61.3  | 91.1                                 | 106.0 | 118.4 |      |
| 323 Leather and fur products                     |      | 1104                     | 1038  | 1025  | 999   | 17.2  | 17.9                | 17.9  | 17.2  |      | 18.4  | 26.6                                 | 29.2  | 29.7  |      |
| 3231 Tanneries and leather finishing             |      | 350                      | 347   | 317   | 297   | 10.1  | 11.3                | 10.4  | 9.9   |      | 12.9  | 18.9                                 | 20.0  | 20.1  |      |
| 3232 Fur dressing and dyeing industries          |      | -                        | -     | -     | -     | -     | -                   | -     | -     |      | -     | -                                    | -     | -     |      |
| 3233 Leather prods. excl. wearing apparel        |      | 754                      | 691   | 708   | 702   | 7.0   | 6.7                 | 7.5   | 7.3   |      | 5.5   | 7.8                                  | 9.2   | 9.6   |      |
| 324 Footwear, except rubber or plastic           |      | 1973                     | 2543  | 2199  | 2032  | 36.2  | 32.1                | 30.2  | 27.7  |      | 30.2  | 32.6                                 | 33.7  | 34.1  |      |
| 331 Wood products, except furniture              |      | 19290                    | 17550 | 17437 | 17326 | 59.8  | 68.5                | 73.8  | 71.7  |      | 49.3  | 76.0                                 | 88.2  | 94.6  |      |
| 3311 Sawmills, planing and other wood mills      |      | 16243                    | 13996 | 13972 | 13811 | 43.8  | 49.0                | 54.6  | 51.4  |      | 36.2  | 64.1                                 | 64.3  | 66.7  |      |
| 3312 Wooden and cane containers                  |      | 931                      | 907   | 1059  | 1148  | 6.3   | 8.0                 | 7.8   | 9.6   |      | 4.6   | 8.7                                  | 9.4   | 12.4  |      |
| 3319 Other wood and cork products                |      | 2116                     | 2647  | 2406  | 2367  | 9.7   | 11.4                | 11.4  | 10.7  |      | 8.5   | 13.2                                 | 14.4  | 15.4  |      |
| 332 Furniture and fixtures, excl. metal          |      | 11415                    | 10834 | 11462 | 10659 | 52.7  | 56.9                | 67.0  | 60.0  |      | 47.1  | 66.3                                 | 74.9  | 86.2  |      |
| 341 Paper and products                           |      | 1057                     | 1048  | 1097  | 1070  | 39.1  | 41.6                | 41.3  | 42.2  |      | 54.8  | 81.7                                 | 89.2  | 97.4  |      |
| 3411 Pulp, paper and paperboard articles         |      | 198                      | 160   | 149   | 149   | 17.2  | 17.1                | 16.3  | 15.7  |      | 27.6  | 39.1                                 | 41.6  | 44.0  |      |
| 3412 Containers of paper and paperboard          |      | 582                      | 563   | 668   | 617   | 13.6  | 16.4                | 16.6  | 17.2  |      | 16.3  | 28.7                                 | 31.4  | 33.7  |      |
| 3419 Other pulp, paper and paperboard articles   |      | 277                      | 325   | 280   | 304   | 8.3   | 8.1                 | 8.3   | 9.3   |      | 10.9  | 13.9                                 | 16.1  | 19.6  |      |
| 342 Printing and publishing                      |      | 5616                     | 6259  | 6813  | 6407  | 58.6  | 79.9                | 83.6  | 82.0  |      | 79.4  | 155.4                                | 179.6 | 199.3 |      |
| 351 Industrial chemicals                         |      | 515                      | 532   | 525   | 529   | 44.1  | 41.8                | 41.2  | 38.9  |      | 74.9  | 103.1                                | 112.0 | 116.4 |      |
| 3511 Basic chemicals excl. fertilizers           |      | 262                      | 278   | 273   | 286   | 18.2  | 17.9                | 18.3  | 18.6  |      | 32.0  | 46.3                                 | 61.9  | 67.8  |      |
| 3512 Fertilizers and pesticides                  |      | 146                      | 134   | 136   | 126   | 10.5  | 8.8                 | 8.3   | 6.4   |      | 15.3  | 18.8                                 | 19.1  | 16.8  |      |
| 3513 Synthetic resins and plastic materials      |      | 107                      | 120   | 116   | 117   | 15.4  | 15.0                | 14.7  | 14.0  |      | 27.6  | 37.9                                 | 41.0  | 40.8  |      |
| 352 Other chemicals                              |      | 1912                     | 1894  | 1902  | 1936  | 72.9  | 80.6                | 82.7  | 84.4  |      | 119.1 | 188.6                                | 214.1 | 239.8 |      |
| 3521 Paints, varnishes and lacquers              |      | 395                      | 372   | 362   | 391   | 8.2   | 9.7                 | 10.2  | 10.8  |      | 12.8  | 21.4                                 | 26.0  | 28.6  |      |
| 3522 Drugs and medicines                         |      | 331                      | 318   | 329   | 327   | 31.8  | 34.6                | 35.1  | 36.3  |      | 64.9  | 88.9                                 | 99.6  | 115.1 |      |
| 3523 Soap, cleaning prep., perfumes, cosmetics   |      | 638                      | 621   | 612   | 615   | 16.4  | 18.4                | 19.2  | 19.3  |      | 25.2  | 38.7                                 | 44.3  | 47.3  |      |
| 3529 Other chemical products                     |      | 548                      | 583   | 579   | 603   | 16.6  | 17.8                | 18.1  | 17.9  |      | 26.3  | 39.6                                 | 45.3  | 48.9  |      |
| 353 Petroleum refineries                         |      | 10                       | 10    | 10    | 10    | 8.6   | 7.6                 | 7.2   | 7.1   |      | 21.0  | 24.0                                 | 25.3  | 42.6  |      |

|  |        |        |        |        |        |        |        |        |        |        |        |        |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 354 Misc petroleum and coal products             | 192    | 174    | 149    | 159    | 4.4    | 4.8    | 4.4    | 4.9    | 6.8    | 9.6    | 9.4    | 12.0   |
| 355 Rubber products                              | 1167   | 868    | 962    | 1025   | 31.5   | 32.7   | 33.3   | 32.7   | 44.7   | 67.7   | 74.9   | 78.8   |
| 3551 Tyres and tubes                             | 314    | 161    | 160    | 260    | 17.2   | 18.6   | 18.2   | 17.8   | 27.8   | 44.6   | 47.4   | 49.7   |
| 3559 Other rubber products                       | 853    | 707    | 802    | 765    | 14.3   | 14.1   | 15.1   | 14.9   | 16.8   | 23.1   | 27.5   | 29.0   |
| 356 Plastic products                             | 2558   | 2719   | 2958   | 2727   | 47.2   | 57.1   | 64.7   | 61.8   | 57.8   | 95.1   | 119.6  | 125.3  |
| 361 Pottery, china, earthenware                  | 827    | 936    | 975    | 1007   | 13.7   | 15.1   | 15.0   | 15.0   | 14.6   | 22.3   | 24.5   | 26.4   |
| 362 Glass and products                           | 654    | 644    | 730    | 675    | 19.7   | 20.2   | 20.5   | 19.9   | 28.3   | 38.7   | 42.2   | 44.8   |
| 363 Other non-metallic mineral products          | 6818   | 6414   | 6666   | 6693   | 79.2   | 85.1   | 91.4   | 93.1   | 93.0   | 136.2  | 161.5  | 181.2  |
| 3631 Structural clay products                    | 1199   | 1034   | 1072   | 962    | 27.5   | 29.7   | 29.7   | 29.5   | 30.8   | 47.7   | 53.1   | 57.9   |
| 3632 Cement, lime and plaster                    | 264    | 261    | 244    | 312    | 11.3   | 11.0   | 10.7   | 10.8   | 20.0   | 26.2   | 28.6   | 30.2   |
| 3639 Other non-metallic mineral products         | 5355   | 5119   | 5350   | 5419   | 40.4   | 44.4   | 50.9   | 52.8   | 42.2   | 63.3   | 79.9   | 93.2   |
| 371 Iron and steel                               | 1115   | 1169   | 1159   | 1175   | 96.9   | 81.7   | 76.8   | 77.1   | 164.4  | 180.4  | 186.8  | 202.7  |
| 372 Non-ferrous metals                           | 454    | 489    | 468    | 463    | 22.7   | 22.6   | 21.6   | 20.8   | 34.0   | 48.9   | 51.4   | 53.7   |
| 381 Fabricated metal products                    | 14642  | 15988  | 16630  | 16729  | 130.8  | 149.1  | 145.5  | 144.8  | 161.1  | 244.8  | 261.1  | 287.5  |
| 3811 Cutlery, hand tools and general hardware    | 773    | 1073   | 1245   | 1243   | 17.0   | 18.4   | 17.0   | 14.1   | 22.7   | 33.2   | 33.5   | 30.1   |
| 3812 Furniture and fixtures primarily of metal   | 899    | 824    | 826    | 822    | 15.8   | 17.8   | 18.5   | 18.1   | 19.0   | 30.2   | 33.7   | 37.5   |
| 3813 Structural metal products                   | 9545   | 10964  | 11257  | 11364  | 42.5   | 53.2   | 52.3   | 55.1   | 49.9   | 75.7   | 83.0   | 100.2  |
| 3819 Other fabricated metal products             | 3425   | 3127   | 3302   | 3300   | 55.6   | 59.7   | 57.8   | 57.6   | 69.5   | 105.7  | 110.9  | 119.8  |
| 382 Non-electrical machinery                     | 13998  | 14260  | 14314  | 14445  | 126.4  | 134.2  | 139.9  | 137.4  | 165.4  | 263.1  | 293.3  | 313.6  |
| 3821 Engines and turbines                        | 87     | 41     | 23     | 23     | 2.2    | 1.7    | 2.2    | 2.1    | 2.4    | 3.5    | 5.7    | 6.0    |
| 3822 Agricultural machinery and equipment        | 1798   | 1489   | 1579   | 1511   | 10.5   | 8.9    | 9.5    | 8.5    | 11.3   | 14.3   | 16.5   | 16.1   |
| 3823 Metal and wood working machinery            | 781    | 845    | 885    | 879    | 15.2   | 17.5   | 18.4   | 17.7   | 21.7   | 36.9   | 42.7   | 44.6   |
| 3824 Other special industrial machinery          | 1576   | 1591   | 1417   | 1436   | 26.4   | 25.2   | 26.8   | 24.7   | 35.6   | 49.1   | 58.2   | 58.5   |
| 3825 Office, computing and accounting machinery  | 31     | 51     | 53     | 50     | 2.6    | 4.1    | 4.5    | 4.7    | 4.5    | 10.2   | 12.1   | 13.6   |
| 3829 Other non-electrical machinery & equipment  | 9725   | 10243  | 10357  | 10546  | 69.5   | 76.9   | 78.5   | 79.6   | 90.0   | 139.1  | 158.1  | 174.9  |
| 383 Electrical machinery                         | 2536   | 2201   | 2107   | 2007   | 113.4  | 111.1  | 109.5  | 108.4  | 157.3  | 227.0  | 247.8  | 266.1  |
| 3831 Electrical industrial machinery             | 1169   | 1137   | 1130   | 999    | 37.5   | 39.5   | 35.8   | 37.7   | 60.5   | 74.6   | 74.0   | 85.5   |
| 3832 Radio, television and communication equipm. | 420    | 355    | 345    | 413    | 36.9   | 30.6   | 31.7   | 32.8   | 53.1   | 71.1   | 80.2   | 88.8   |
| 3833 Electrical appliances and housewares        | 128    | 138    | 137    | 145    | 17.7   | 20.2   | 20.1   | 19.9   | 23.4   | 38.2   | 43.8   | 46.7   |
| 3839 Other electrical apparatus and supplies     | 819    | 571    | 495    | 450    | 21.2   | 20.8   | 22.0   | 18.0   | 30.3   | 43.1   | 49.8   | 45.2   |
| 384 Transport equipment                          | 1272   | 1818   | 1897   | 2005   | 201.3  | 203.1  | 201.6  | 203.0  | 289.9  | 457.8  | 479.4  | 508.3  |
| 3841 Shipbuilding and repairing                  | 116    | 677    | 716    | 693    | 36.6   | 34.1   | 32.6   | 30.4   | 43.9   | 64.7   | 69.8   | 71.0   |
| 3842 Railroad equipment                          | 49     | 29     | 28     | 75     | 13.0   | 9.8    | 10.4   | 13.6   | 17.7   | 20.8   | 26.5   | 33.6   |
| 3843 Motor vehicles                              | 904    | 966    | 1014   | 1082   | 138.2  | 146.1  | 146.3  | 146.3  | 208.9  | 342.3  | 361.4  | 369.3  |
| 3844 Motorcycles and bicycles                    | 80     | 62     | 59     | 53     | 4.5    | 4.6    | 4.1    | 4.3    | 5.8    | 9.1    | 10.0   | 10.5   |
| 3845 Aircraft                                    | 5      | 7      | 7      | 23     | 8.2    | 7.8    | 7.4    | 7.7    | 12.7   | 20.0   | 20.5   | 22.6   |
| 3849 Other transport equipment                   | 118    | 77     | 73     | 79     | 0.8    | 0.7    | 0.8    | 0.8    | 1.0    | 0.9    | 1.1    | 1.2    |
| 385 Professional and scientific equipment        | 513    | 579    | 622    | 616    | 7.8    | 8.2    | 8.8    | 9.2    | 9.8    | 14.6   | 16.9   | 19.4   |
| 3851 Prof and scientific equipment n e c         | 404    | 481    | 533    | 510    | 4.9    | 4.7    | 5.2    | 5.2    | 6.0    | 7.9    | 9.5    | 10.3   |
| 3852 Photographic and optical goods              | 66     | 73     | 68     | 87     | 2.7    | 3.2    | 3.3    | 3.7    | 3.6    | 6.2    | 6.8    | 8.5    |
| 3853 Watches and clocks                          | 43     | 25     | 21     | 19     | 0.2    | 0.3    | 0.3    | 0.3    | 0.2    | 0.5    | 0.6    | 0.6    |
| 390 Other manufacturing industries               | 2046   | 1995   | 2038   | 2034   | 21.2   | 21.3   | 23.5   | 23.5   | 22.0   | 31.5   | 37.4   | 40.6   |
| 3901 Jewellery and related articles              | 661    | 709    | 712    | 805    | 4.5    | 4.9    | 6.3    | 6.9    | 4.2    | 6.3    | 9.3    | 10.9   |
| 3902 Musical instruments                         | 68     | 63     | 62     | 61     | 0.5    | 0.5    | 0.6    | 0.6    | 0.4    | 0.7    | 0.8    | 0.9    |
| 3903 Sporting and athletic goods                 | 50     | 48     | 43     | 43     | 1.2    | 0.9    | 0.9    | 0.7    | 1.3    | 1.6    | 2.0    | 1.5    |
| 3909 Manufacturing industries, n e c             | 1267   | 1175   | 1221   | 1126   | 15.1   | 15.1   | 15.9   | 15.3   | 16.0   | 22.8   | 25.3   | 27.3   |
| 3 Total manufacturing                            | 144634 | 144611 | 146665 | 143480 | 1793.2 | 1884.1 | 1907.4 | 1895.0 | 2243.4 | 3299.3 | 3632.1 | 3933.7 |

## Spain

| ISIC Industry                                    | Note | Output in factor values |        |        |        | Note | Value added in factor values |        |        |        | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-------------------------|--------|--------|--------|------|------------------------------|--------|--------|--------|--------------------------------|------|--|------|
|  |      | (billion PESETAS)       |        |        |        |      | (billion PESETAS)            |        |        |        | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                    | 1989   | 1990   | 1991   |      | 1985                         | 1989   | 1990   | 1991   | 1985                           | 1991 | 1985                                       | 1991 |
| 311/2 Food Products                              |      | 3113 8                  | 4360 1 | 4529 9 | 4728 0 |      | 713 0                        | 1037 5 | 1098 1 | 1150 9 | 22 9                           | 24 3 | 31 6                                       | 35 2 |
| 3111 Slaughtering, preparing & preserving meat   |      | 535 2                   | 940 8  | 943 4  | 989 8  |      | 116 0                        | 193 3  | 190 1  | 192 2  | 21 7                           | 19 4 | 32 8                                       | 37 7 |
| 3112 Dairy products                              |      | 432 1                   | 621 7  | 628 8  | 624 6  |      | 104 6                        | 142 9  | 154 9  | 155 6  | 24 2                           | 24 9 | 32 2                                       | 31 5 |
| 3113 Canning, preserving of fruits & vegetables  |      | 153 5                   | 245 3  | 260 6  | 285 0  |      | 40 6                         | 63 4   | 70 0   | 78 8   | 26 4                           | 27 6 | 38 9                                       | 41 1 |
| 3114 Canning, preserving and processing of fish  |      | 123 7                   | 178 7  | 187 2  | 217 8  |      | 30 8                         | 39 1   | 42 3   | 51 1   | 24 9                           | 23 6 | 37 9                                       | 42 8 |
| 3115 Vegetable and animal oils and fats          |      | 426 1                   | 456 9  | 533 7  | 657 8  |      | 69 1                         | 66 1   | 71 8   | 76 9   | 13 9                           | 13 8 | 23 3                                       | 24 8 |
| 3116 Grain mill products                         |      | 227 2                   | 225 6  | 225 9  | 234 5  |      | 33 8                         | 30 4   | 31 3   | 30 5   | 14 9                           | 13 0 | 25 1                                       | 39 9 |
| 3117 Bakery products                             |      | 325 2                   | 485 4  | 507 0  | 542 2  |      | 142 7                        | 217 5  | 231 9  | 247 4  | 43 9                           | 45 6 | 35 8                                       | 40 8 |
| 3118 Sugar factories and refineries              |      | 99 2                    | 129 1  | 122 6  | 112 6  |      | 25 5                         | 43 0   | 44 7   | 41 3   | 26 6                           | 36 7 | 25 9                                       | 21 5 |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 101 9                   | 122 5  | 153 0  | 166 1  |      | 35 7                         | 38 5   | 54 8   | 58 5   | 35 1                           | 35 2 | 32 9                                       | 35 9 |
| 3121 Other food products                         |      | 271 4                   | 352 9  | 382 3  | 417 4  |      | 79 9                         | 110 3  | 115 9  | 136 7  | 29 5                           | 32 7 | 28 6                                       | 34 8 |
| 3122 Prepared animal feeds                       |      | 418 3                   | 601 1  | 585 3  | 580 1  |      | 44 1                         | 93 1   | 90 4   | 82 0   | 10 6                           | 14 1 | 26 6                                       | 24 6 |
| 313 Beverages                                    |      | 662 2                   | 959 0  | 1028 1 | 1104 1 |      | 267 9                        | 402 2  | 409 1  | 428 8  | 40 5                           | 38 8 | 32 7                                       | 29 1 |
| 3131 Distilling, rectifying and blending spirits |      | 107 0                   | 140 0  | 143 8  | 166 5  |      | 40 6                         | 54 4   | 53 0   | 55 9   | 37 9                           | 33 6 | 23 1                                       | 22 4 |
| 3132 Wine industries                             |      | 256 6                   | 320 7  | 332 8  | 340 1  |      | 79 8                         | 114 8  | 116 6  | 119 2  | 31 1                           | 36 1 | 30 3                                       | 23 7 |
| 3133 Malt liquors and malt                       |      | 136 9                   | 201 6  | 214 6  | 229 3  |      | 71 8                         | 114 4  | 120 8  | 123 6  | 52 4                           | 53 9 | 35 9                                       | 32 3 |
| 3134 Soft drinks and carbonated waters           |      | 161 6                   | 296 8  | 336 9  | 368 4  |      | 75 7                         | 118 6  | 118 8  | 130 2  | 46 9                           | 35 3 | 37 3                                       | 33 8 |
| 314 Tobacco                                      |      | 189 3                   | 221 5  | 237 1  | 277 6  |      | 80 1                         | 93 4   | 92 9   | 112 5  | 42 3                           | 40 5 | 19 1                                       | 19 8 |
| 321 Textiles                                     |      | 710 1                   | 874 9  | 857 1  | 886 2  |      | 274 3                        | 338 6  | 337 8  | 336 0  | 38 6                           | 37 9 | 43 8                                       | 48 9 |
| 3211 Spinning, weaving and finishing textiles    |      | 452 3                   | 538 1  | 521 5  | 523 1  |      | 167 8                        | 210 2  | 209 2  | 198 9  | 37 1                           | 38 0 | 44 4                                       | 49 7 |
| 3212 Made-up textile goods excl wearing apparel  |      | 67 1                    | 88 1   | 87 3   | 97 9   |      | 28 1                         | 35 0   | 31 2   | 36 9   | 41 9                           | 37 6 | 40 1                                       | 43 0 |
| 3213 Knitting mills                              |      | 126 8                   | 162 5  | 163 9  | 172 1  |      | 54 0                         | 65 3   | 68 0   | 69 7   | 42 6                           | 40 5 | 43 8                                       | 49 3 |
| 3214 Carpets and rugs                            |      | 16 1                    | 23 9   | 23 1   | 24 0   |      | 6 4                          | 8 4    | 7 9    | 8 7    | 39 7                           | 36 2 | 47 0                                       | 54 8 |
| 3215 Cordage, rope and twine                     |      | 7 1                     | 7 4    | 7 2    | 10 4   |      | 2 5                          | 2 5    | 2 6    | 4 1    | 34 6                           | 39 8 | 48 3                                       | 50 8 |
| 3219 Other textiles                              |      | 40 7                    | 54 9   | 54 0   | 58 7   |      | 15 5                         | 17 3   | 18 9   | 17 7   | 38 1                           | 30 2 | 42 6                                       | 47 6 |
| 322 Wearing apparel, except footwear             |      | 303 3                   | 487 3  | 559 0  | 631 8  |      | 128 0                        | 199 5  | 228 5  | 256 9  | 42 2                           | 40 7 | 47 9                                       | 46 1 |
| 323 Leather and fur products                     |      | 161 7                   | 218 5  | 207 5  | 191 7  |      | 45 7                         | 61 4   | 62 6   | 64 8   | 28 2                           | 33 8 | 40 4                                       | 45 8 |
| 3231 Tanneries and leather finishing             |      | 133 7                   | 177 0  | 160 2  | 143 5  |      | 33 6                         | 44 8   | 43 3   | 45 2   | 25 1                           | 31 5 | 38 5                                       | 44 4 |
| 3232 Fur dressing and dyeing industries          |      |                         |        |        |        |      |                              |        |        |        |                                |      |  |      |
| 3233 Leather prods excl wearing apparel          |      | 28 0                    | 41 5   | 47 3   | 48 2   |      | 12 1                         | 15 7   | 19 3   | 19 5   | 43 2                           | 40 6 | 45 5                                       | 49 1 |
| 324 Footwear, except rubber or plastic           |      | 191 2                   | 226 6  | 241 4  | 244 3  |      | 70 5                         | 79 3   | 79 6   | 79 3   | 36 9                           | 32 5 | 42 8                                       | 43 1 |
| 331 Wood products, except furniture              |      | 290 6                   | 548 9  | 594 8  | 593 7  |      | 120 2                        | 205 9  | 220 5  | 221 9  | 41 4                           | 37 4 | 41 0                                       | 42 6 |
| 3311 Sawmills, planing and other wood mills      |      | 218 7                   | 402 8  | 444 8  | 425 3  |      | 90 6                         | 153 3  | 166 2  | 159 9  | 41 4                           | 37 6 | 40 0                                       | 41 7 |
| 3312 Wooden and cane containers                  |      | 28 3                    | 58 7   | 69 1   | 85 3   |      | 10 6                         | 17 1   | 21 8   | 27 1   | 37 4                           | 31 8 | 43 9                                       | 45 6 |
| 3319 Other wood and cork products                |      | 43 5                    | 87 3   | 80 9   | 83 1   |      | 19 0                         | 35 6   | 32 6   | 34 8   | 43 7                           | 41 9 | 44 5                                       | 44 1 |
| 332 Furniture and fixtures, excl metal           |      | 223 1                   | 346 7  | 381 8  | 435 5  |      | 104 9                        | 136 5  | 156 4  | 175 9  | 47 0                           | 40 4 | 44 9                                       | 48 5 |
| 341 Paper and products                           |      | 509 4                   | 698 7  | 705 1  | 733 3  |      | 161 0                        | 216 4  | 214 2  | 220 2  | 31 6                           | 30 0 | 34 0                                       | 44 2 |
| 3411 Pulp, paper and paperboard articles         |      | 263 6                   | 349 5  | 341 8  | 333 1  |      | 84 2                         | 110 6  | 99 6   | 93 9   | 32 0                           | 28 2 | 32 8                                       | 46 9 |
| 3412 Containers of paper and paperboard          |      | 147 7                   | 232 1  | 226 4  | 251 2  |      | 46 2                         | 66 5   | 71 0   | 76 1   | 31 3                           | 30 3 | 35 3                                       | 44 3 |
| 3419 Other pulp, paper and paperboard articles   |      | 98 1                    | 117 0  | 136 9  | 149 0  |      | 30 5                         | 39 1   | 43 5   | 50 2   | 31 1                           | 33 7 | 35 6                                       | 39 1 |
| 342 Printing and publishing                      |      | 382 0                   | 892 0  | 987 1  | 1100 0 |      | 203 7                        | 399 7  | 448 8  | 488 9  | 53 3                           | 44 4 | 39 0                                       | 40 8 |
| 351 Industrial chemicals                         |      | 1118 7                  | 1216 0 | 1184 5 | 1134 1 |      | 295 4                        | 390 2  | 349 3  | 347 5  | 26 4                           | 30 6 | 25 4                                       | 33 2 |
| 3511 Basic chemicals excl fertilizers            |      | 585 2                   | 659 8  | 631 5  | 628 0  |      | 159 4                        | 237 4  | 201 0  | 205 2  | 27 2                           | 32 7 | 20 0                                       | 28 2 |
| 3512 Fertilizers and pesticides                  |      | 178 0                   | 163 5  | 163 6  | 144 5  |      | 45 2                         | 46 7   | 51 8   | 46 8   | 26 4                           | 32 4 | 33 9                                       | 35 9 |
| 3513 Synthetic resins and plastic materials      |      | 355 5                   | 392 7  | 389 5  | 361 6  |      | 90 8                         | 106 1  | 96 5   | 96 5   | 25 5                           | 26 4 | 30 4                                       | 42 7 |
| 352 Other chemicals                              |      | 860 3                   | 1352 0 | 1506 2 | 1634 8 |      | 326 9                        | 494 7  | 571 7  | 617 9  | 38 0                           | 37 8 | 36 4                                       | 38 8 |
| 3521 Paints, varnishes and lacquers              |      | 106 0                   | 170 9  | 194 6  | 204 6  |      | 34 7                         | 53 8   | 66 9   | 72 2   | 32 7                           | 35 3 | 36 9                                       | 39 7 |
| 3522 Drugs and medicines                         |      | 312 4                   | 532 4  | 595 8  | 697 5  |      | 127 8                        | 212 0  | 239 1  | 281 2  | 40 9                           | 40 3 | 42 9                                       | 40 9 |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 241 6                   | 367 4  | 413 6  | 419 9  |      | 88 8                         | 127 6  | 165 8  | 161 6  | 36 8                           | 36 1 | 28 3                                       | 31 2 |
| 3529 Other chemical products                     |      | 200 3                   | 281 3  | 302 2  | 312 8  |      | 75 6                         | 101 3  | 110 0  | 113 0  | 37 7                           | 36 1 | 34 8                                       | 43 3 |
| 353 Petroleum refineries                         |      | 1687 1                  | 860 6  | 939 3  | 963 5  |      | 164 8                        | 174 1  | 137 4  | 127 5  | 9 8                            | 13 2 | 12 8                                       | 33 4 |

|   |         |         |         |         |        |        |        |        |      |      |      |      |
|---|---------|---------|---------|---------|--------|--------|--------|--------|------|------|------|------|
| 354 Misc petroleum and coal products            | 141 9   | 129 1   | 129 8   | 146 3   | 32 4   | 35 8   | 39 1   | 50 1   | 22 9 | 34 2 | 20 9 | 23 9 |
| 355 Rubber products                             | 217 3   | 311 8   | 301 9   | 313 9   | 101 5  | 154 3  | 151 9  | 160 9  | 46 7 | 51 3 | 44 0 | 48 9 |
| 3551 Tyres and tubes                            | 136 5   | 208 4   | 186 0   | 192 8   | 67 0   | 108 3  | 98 8   | 109 0  | 49 1 | 56 6 | 41 6 | 45 6 |
| 3559 Other rubber products                      | 80 8    | 103 3   | 115 9   | 121 1   | 34 5   | 46 0   | 53 0   | 51 9   | 42 7 | 42 9 | 48 8 | 55 9 |
| 356 Plastic products                            | 395 7   | 628 4   | 721 7   | 749 3   | 138 4  | 216 4  | 249 9  | 279 6  | 35 0 | 37 3 | 41 7 | 44 8 |
| 361 Pottery, china, earthenware                 | 46 0    | 71 8    | 79 6    | 81 4    | 29 6   | 39 9   | 44 0   | 44 8   | 64 4 | 55 1 | 49 5 | 59 0 |
| 362 Glass and products                          | 145 4   | 221 3   | 234 4   | 242 3   | 75 2   | 112 8  | 115 0  | 117 8  | 51 7 | 48 6 | 37 6 | 38 1 |
| 369 Other non-metallic mineral products         | 613 8   | 984 1   | 1098 4  | 1174 6  | 274 9  | 420 3  | 489 0  | 479 9  | 44 8 | 40 9 | 33 8 | 37 8 |
| 3691 Structural clay products                   | 156 6   | 267 8   | 283 1   | 307 0   | 70 2   | 107 9  | 115 6  | 129 2  | 44 8 | 42 1 | 43 9 | 44 8 |
| 3692 Cement, lime and plaster                   | 206 2   | 278 6   | 298 3   | 255 5   | 102 4  | 156 1  | 178 7  | 125 3  | 49 7 | 49 0 | 19 6 | 24 1 |
| 3699 Other non-metallic mineral products        | 251 0   | 437 8   | 517 0   | 612 1   | 102 3  | 156 3  | 194 6  | 225 4  | 40 8 | 36 8 | 41 2 | 41 3 |
| 371 Iron and steel                              | 1164 4  | 1292 9  | 1235 3  | 1179 9  | 298 6  | 407 1  | 383 5  | 348 0  | 25 5 | 29 5 | 51 7 | 58 2 |
| 372 Non-ferrous metals                          | 399 2   | 536 0   | 493 7   | 460 5   | 104 8  | 149 0  | 130 0  | 108 5  | 26 3 | 23 6 | 32 4 | 49 5 |
| 381 Fabricated metal products                   | 785 2   | 1306 2  | 1375 5  | 1451 9  | 347 5  | 518 8  | 554 2  | 606 7  | 44 3 | 41 8 | 46 4 | 47 4 |
| 3811 Cutlery, hand tools and general hardware   | 94 9    | 149 7   | 143 3   | 135 5   | 48 0   | 63 6   | 63 6   | 62 6   | 50 6 | 46 2 | 47 2 | 48 0 |
| 3812 Furniture and fixtures primarily of metal  | 97 4    | 164 1   | 177 2   | 195 7   | 41 7   | 67 7   | 77 6   | 87 1   | 42 9 | 44 5 | 45 5 | 43 0 |
| 3813 Structural metal products                  | 213 5   | 398 4   | 442 2   | 493 7   | 106 4  | 156 7  | 175 2  | 206 7  | 49 3 | 41 7 | 47 4 | 48 7 |
| 3819 Other fabricated metal products            | 379 4   | 594 0   | 612 9   | 627 0   | 152 4  | 231 8  | 237 9  | 251 3  | 40 2 | 40 1 | 45 6 | 47 7 |
| 382 Non-electrical machinery                    | 849 3   | 1385 0  | 1444 1  | 1550 2  | 378 4  | 556 9  | 585 5  | 642 8  | 44 5 | 41 5 | 43 7 | 46 8 |
| 3821 Engines and turbines                       | 10 4    | 18 2    | 27 5    | 28 3    | 4 2    | 6 8    | 8 4    | 8 1    | 40 5 | 28 8 | 57 2 | 73 3 |
| 3822 Agricultural machinery and equipment       | 74 9    | 106 7   | 111 3   | 111 3   | 29 1   | 29 6   | 34 4   | 33 9   | 38 9 | 30 4 | 38 8 | 47 5 |
| 3823 Metal and wood working machinery           | 93 8    | 174 8   | 187 4   | 179 6   | 46 1   | 74 0   | 80 6   | 85 3   | 49 1 | 47 5 | 47 1 | 52 3 |
| 3824 Other special industrial machinery         | 161 1   | 269 5   | 281 0   | 278 7   | 77 0   | 105 5  | 111 1  | 113 1  | 47 8 | 40 6 | 46 2 | 51 7 |
| 3825 Office, computing and accounting machinery | 120 3   | 133 8   | 106 9   | 158 3   | 33 1   | 49 5   | 39 9   | 58 1   | 27 5 | 36 7 | 13 5 | 23 4 |
| 3829 Other non-electrical machinery & equipment | 388 8   | 682 0   | 729 9   | 793 9   | 188 9  | 291 4  | 311 2  | 344 1  | 48 6 | 43 3 | 47 6 | 50 8 |
| 383 Electrical machinery                        | 801 1   | 1405 6  | 1524 8  | 1515 4  | 350 9  | 535 6  | 609 3  | 600 7  | 43 8 | 39 6 | 44 8 | 44 3 |
| 3831 Electrical industrial machinery            | 203 0   | 331 7   | 333 0   | 398 4   | 103 2  | 147 5  | 151 0  | 173 3  | 50 8 | 43 5 | 48 9 | 49 3 |
| 3832 Radio, television and communication equipm | 259 8   | 511 3   | 584 1   | 529 6   | 118 9  | 198 2  | 232 2  | 218 0  | 45 8 | 41 2 | 44 6 | 40 7 |
| 3833 Electrical appliances and housewares       | 152 7   | 271 7   | 281 7   | 296 3   | 53 7   | 86 2   | 103 0  | 101 9  | 35 2 | 34 4 | 43 6 | 45 8 |
| 3839 Other electrical apparatus and supplies    | 185 6   | 290 9   | 326 0   | 291 2   | 75 1   | 103 7  | 123 1  | 107 4  | 40 5 | 36 9 | 40 3 | 42 1 |
| 384 Transport equipment                         | 1657 2  | 3498 7  | 3603 0  | 3921 3  | 472 1  | 1051 2 | 1051 9 | 1262 9 | 25 5 | 32 2 | 61 4 | 40 2 |
| 3841 Shipbuilding and repairing                 | 137 0   | 239 9   | 264 9   | 276 7   | 59 4   | 106 4  | 116 5  | 116 2  | 43 4 | 42 0 | 73 8 | 61 1 |
| 3842 Railroad equipment                         | 56 2    | 71 1    | 97 5    | 111 8   | 29 9   | 37 0   | 44 6   | 52 8   | 53 1 | 47 2 | 59 2 | 63 6 |
| 3843 Motor vehicles                             | 1396 5  | 3005 0  | 3037 8  | 3341 9  | 350 4  | 835 5  | 802 6  | 1012 4 | 25 1 | 30 3 | 59 6 | 36 5 |
| 3844 Motorcycles and bicycles                   | 28 4    | 76 9    | 77 7    | 84 2    | 9 2    | 18 7   | 18 5   | 23 5   | 32 4 | 27 9 | 63 0 | 44 9 |
| 3845 Aircraft                                   | 32 4    | 97 6    | 115 6   | 97 0    | 20 8   | 52 6   | 66 9   | 55 5   | 64 1 | 57 2 | 61 0 | 40 7 |
| 3849 Other transport equipment                  | 6 7     | 8 2     | 9 7     | 9 6     | 2 5    | 2 0    | 2 7    | 2 5    | 36 4 | 26 2 | 40 0 | 49 5 |
| 385 Professional and scientific equipment       | 41 3    | 62 3    | 74 0    | 82 4    | 20 7   | 30 1   | 38 2   | 42 8   | 50 2 | 52 0 | 47 5 | 45 3 |
| 3851 Prof and scientific equipment n e c        | 25 5    | 33 6    | 40 7    | 43 6    | 12 4   | 15 7   | 20 2   | 20 9   | 48 4 | 48 0 | 48 8 | 49 4 |
| 3852 Photographic and optical goods             | 14 3    | 25 7    | 30 2    | 35 5    | 7 7    | 13 5   | 17 2   | 20 9   | 53 8 | 58 8 | 45 3 | 40 6 |
| 3853 Watches and clocks                         | 1 4     | 3 0     | 3 1     | 3 2     | 0 6    | 0 9    | 0 9    | 1 0    | 44 7 | 30 2 | 38 2 | 58 4 |
| 390 Other manufacturing industries              | 124 6   | 180 7   | 221 3   | 234 9   | 53 8   | 71 2   | 88 7   | 90 7   | 43 1 | 38 5 | 40 9 | 44 7 |
| 3901 Jewellery and related articles             | 18 8    | 33 8    | 60 4    | 72 8    | 8 6    | 13 5   | 21 2   | 25 4   | 45 6 | 34 9 | 49 4 | 43 1 |
| 3902 Musical instruments                        | 1 6     | 2 6     | 3 1     | 3 3     | 0 7    | 1 2    | 1 4    | 1 6    | 47 1 | 48 8 | 54 1 | 53 8 |
| 3903 Sporting and athletic goods                | 10 0    | 11 5    | 15 8    | 7 0     | 4 1    | 4 7    | 6 6    | 3 2    | 40 8 | 45 5 | 32 9 | 46 2 |
| 3909 Manufacturing industries, n e c            | 94 3    | 132 8   | 142 1   | 151 9   | 40 4   | 51 8   | 59 4   | 60 5   | 42 8 | 39 8 | 39 7 | 45 1 |
| 3 Total manufacturing                           | 17785 2 | 25276 6 | 26496 3 | 27763 0 | 5635 1 | 8527 8 | 8937 2 | 9484 9 | 31 7 | 34 1 | 39 8 | 41 6 |

## Spain

| ISIC Industry                             | Note | Gross fixed capital formation |       |        |        | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|-------|--------|--------|------|--|------|------|------|------|------|------|------|
|   |      | (billion PESETAS)             |       |        |        |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1989  | 1990   | 1991   |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      | 68.4                          | 98.5  | 107.4  | 120.0  | a/   | 112                                    | 117  | 116  | 126  | 129  | 127  | 133  | 134  |
| 313 Beverages                             |      | 25.3                          | 49.0  | 51.8   | 58.4   | a/   |  |      |      |      |      |      |      |      |
| 314 Tobacco                               |      | 2.6                           | 8.0   | 5.5    | 4.9    | a/   |  |      |      |      |      |      |      |      |
| 321 Textiles                              |      | 23.8                          | 33.0  | 28.2   | 33.5   |      | 92                                     | 96   | 101  | 108  | 100  | 105  | 102  | 95   |
| 322 Wearing apparel, except footwear      |      | 4.7                           | 9.7   | 9.1    | 11.9   | b/   | 88                                     | 88   | 85   | 84   | 79   | 79   | 81   | 75   |
| 323 Leather and fur products              |      | 3.3                           | 4.1   | 3.3    | 4.4    |      | 153                                    | 152  | 158  | 158  | 144  | 148  | 140  | 135  |
| 324 Footwear, except rubber or plastic    |      | 2.1                           | 4.0   | 4.0    | 19.3   | b/   |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      | 7.1                           | 22.1  | 23.2   | 28.1   |      | 91                                     | 84   | 97   | 104  | 108  | 112  | 106  | 103  |
| 332 Furniture and fixtures, excl. metal   |      | 5.4                           | 9.7   | 12.6   | 12.8   |      |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      | 23.2                          | 39.1  | 47.7   | 49.9   | c/   | 107                                    | 104  | 111  | 116  | 116  | 124  | 123  | 129  |
| 342 Printing and publishing               |      | 12.0                          | 34.2  | 32.4   | 41.4   | c/   |  |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      | 28.9                          | 57.4  | 81.3   | 75.7   | d/   | 103                                    | 106  | 107  | 109  | 111  | 116  | 116  | 116  |
| 352 Other chemicals                       |      | 27.0                          | 51.7  | 59.0   | 73.9   | d/   |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      | 0.3                           | 40.7  | 61.5   | 56.0   |      | 95                                     | 97   | 107  | 103  | 100  | 108  | 115  | 116  |
| 354 Misc. petroleum and coal products     |      | 0.8                           | 2.7   | 2.6    | 5.1    |      |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      | 7.2                           | 15.0  | 16.5   | 10.9   | e/   | 100                                    | 105  | 106  | 114  | 119  | 120  | 117  | 118  |
| 356 Plastic products                      |      | 14.0                          | 32.6  | 39.6   | 42.0   | e/   |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      | 2.3                           | 4.9   | 5.1    | 5.5    | f/   | 90                                     | 85   | 91   | 94   | 102  | 110  | 113  | 112  |
| 362 Glass and products                    |      | 13.2                          | 22.5  | 21.0   | 29.6   | f/   |  |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      | 33.2                          | 52.8  | 53.4   | 73.6   | v/   |  |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      | 73.2                          | 67.0  | 76.1   | 74.7   | g/   | 105                                    | 107  | 99   | 98   | 101  | 107  | 103  | 103  |
| 372 Non-ferrous metals                    |      | 7.6                           | 21.9  | 32.7   | 44.4   | g/   |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      | 26.1                          | 49.8  | 49.7   | 47.8   |      | 87                                     | 89   | 90   | 98   | 106  | 116  | 118  | 114  |
| 382 Non-electrical machinery              |      | 25.2                          | 50.6  | 50.9   | 43.4   |      | 90                                     | 98   | 104  | 105  | 108  | 116  | 115  | 105  |
| 383 Electrical machinery                  |      | 30.9                          | 66.7  | 63.2   | 80.1   |      | 93                                     | 93   | 108  | 127  | 139  | 145  | 141  | 134  |
| 384 Transport equipment                   |      | 68.1h/                        | 112.5 | 124.4  | 213.6  |      | 87                                     | 90   | 100  | 112  | 127  | 138  | 140  | 139  |
| 385 Professional and scientific equipment |      | 1.3                           | 2.4   | 3.0    | 2.8    |      | 93                                     | 98   | 102  | 128  | 118  | 143  | 171  | 169  |
| 390 Other manufacturing industries        |      | 3.8                           | 5.2   | 6.7    | 7.4    |      |  |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      | 541.0                         | 968.0 | 1071.6 | 1271.0 |      | 97                                     | 99   | 103  | 109  | 113  | 119  | 120  | 117  |

a/ 311/2 includes 313 and 314  
c/ 341 includes 342  
e/ 355 includes 356  
g/ 371 includes 372

b/ 322 includes 324  
d/ 351 includes 352  
f/ 361 includes 362 and 369  
h/ Excluding railroad equipment (ISIC 3842)

## SRI LANKA

**Supplier of information:**

Department of Census and Statistics, Colombo.

**Basic source of data:**

Annual Survey of Industries.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

Establishments with five or more persons engaged.

**Method of enumeration:**

Questionnaires distributed by mail with follow-up site visits as required.

**Adjusted for non-response:**

No

**Concepts and definitions of variables:**

Output refers to census output. The data are not adjusted for the cost of purchases of goods for resale without further processing.

Gross fixed capital formation refers to capital expenditure.

**Related national publications:**

Annual Survey of Industries - 1989 (Report 1), published by the Department of Census and Statistics, Colombo.

## Sri Lanka

| ISIC Industry                             | Note | Number of establishments<br>(numbers) |      |      |        | Note | Number of persons engaged<br>(numbers) |        |        |        | Note | Wages and salaries paid to employees<br>(million RUPEES) |      |      |        |
|---|------|---------------------------------------|------|------|--------|------|--|--------|--------|--------|------|--|------|------|--------|
|   |      | 1985                                  | 1988 | 1989 | 1990a/ |      | 1985                                   | 1988   | 1989   | 1990a/ |      | 1985   | 1988 | 1989 | 1990a/ |
| 311/2 Food Products                       |      | 779                                   | 712  | 709  | 632    |      | 41379                                  | 33583  | 42982  | 47418  |      | 448  | 543  | 698  | 1013   |
| 313 Beverages                             |      | 31                                    | 22   | 20   | 17     |      | 7411                                   | 5106   | 6447   | 3104   |      | 162  | 156  | 221  | 104    |
| 314 Tobacco                               |      | 458                                   | 357  | 309  | 283    |      | 9663                                   | 7138   | 8183   | 8287   |      | 129  | 155  | 145  | 257    |
| 321 Textiles                              |      | 715                                   | 523  | 518  | 499    |      | 62950                                  | 40619  | 47163  | 43195  |      | 564  | 694  | 869  | 830    |
| 322 Wearing apparel, except footwear      |      | 44                                    | 169  | 146  | 284    |      | 19294                                  | 50374  | 55110  | 82096  |      | 238  | 732  | 1014 | 1674   |
| 323 Leather and fur products              |      | 9                                     | 15   | 13   | 19     |      | 198                                    | 939    | 911    | 1178   |      | 1  | 15   | 13   | 23     |
| 324 Footwear, except rubber or plastic    |      | 8                                     | 16   | 8    | 12     |      | 4946                                   | 4301   | 4382   | 5008   |      | 98   | 103  | 119  | 171    |
| 331 Wood products, except furniture       |      | 106                                   | 139  | 134  | 130    |      | 7800                                   | 6222   | 4870   | 3962   |      | 163  | 147  | 108  | 92     |
| 332 Furniture and fixtures, excl metal    |      | 68                                    | 77   | 85   | 66     |      | 2401                                   | 1620   | 1785   | 1665   |      | 12   | 18   | 14   | 12     |
| 341 Paper and products                    |      | 15                                    | 17   | 31   | 16     |      | 3666                                   | 4499   | 4773   | 3962   |      | 66   | 144  | 156  | 146    |
| 342 Printing and publishing               |      | 63                                    | 74   | 57   | 77     |      | 6465                                   | 7091   | 7552   | 6467   |      | 84   | 120  | 140  | 140    |
| 351 Industrial chemicals                  |      | 10                                    | 13   | 10   | 21     |      | 2202                                   | 631    | 608    | 1025   |      | 48   | 12   | 16   | 39     |
| 352 Other chemicals                       |      | 60                                    | 66   | 64   | 67     |      | 4669                                   | 3742   | 3598   | 4138   |      | 124  | 159  | 155  | 211    |
| 353 Petroleum refineries                  |      | 3                                     | 2b/  | 2b/  | 3b/    |      | 5433                                   | 1052b/ | 1141b/ | 1363b/ |      | 184  | 75b/ | 81b/ | 101b/  |
| 354 Misc petroleum and coal products      |      | -                                     | b/   | b/   | b/     |      | -                                      | b/     | b/     | b/     |      | -  | b/   | b/   | b/     |
| 355 Rubber products                       |      | 185                                   | 155  | 164  | 176    |      | 10256                                  | 9055   | 10936  | 15887  |      | 157  | 155  | 185  | 386    |
| 356 Plastic products                      |      | 15                                    | 29   | 18   | 23     |      | 1758                                   | 2115   | 1403   | 2954   |      | 26   | 37   | 29   | 73     |
| 361 Pottery, china, earthenware           |      | 32                                    | 30   | 37   | 38     |      | 4526                                   | 6604   | 6877   | 5610   |      | 87   | 182  | 220  | 266    |
| 362 Glass and products                    |      | 9                                     | 13   | 7    | 7      |      | 1080                                   | 1094   | 824    | 759    |      | 19   | 29   | 33   | 36     |
| 369 Other non-metallic mineral products   |      | 311                                   | 196  | 194  | 164    |      | 12711                                  | 13053  | 12556  | 9783   |      | 198  | 406  | 370  | 384    |
| 371 Iron and steel                        |      | 9c/                                   | 7c/  | 4    | 8      |      | 2139c/                                 | 2043c/ | 1672   | 1877   |      | 48c/   | 62c/ | 49   | 93     |
| 372 Non-ferrous metals                    |      | c/                                    | c/   | 4    | 2      |      | c/                                     | c/     | 282    | 258    |      | c/   | c/   | 9    | 13     |
| 381 Fabricated metal products             |      | 77                                    | 100  | 91   | 117    |      | 2556                                   | 4018   | 3877   | 5485   |      | 30   | 66   | 89   | 130    |
| 382 Non-electrical machinery              |      | 16                                    | 36   | 34   | 27     |      | 785                                    | 2080   | 3592   | 2379   |      | 32   | 31   | 86   | 74     |
| 383 Electrical machinery                  |      | 19                                    | 27   | 22   | 21     |      | 1736                                   | 1462   | 1452   | 1571   |      | 44   | 33   | 39   | 47     |
| 384 Transport equipment                   |      | 26                                    | 40   | 38   | 38     |      | 2176                                   | 5685   | 4908   | 6761   |      | 21   | 93   | 94   | 177    |
| 385 Professional and scientific equipment |      | 5                                     | -    | 7    | 9      |      | 154                                    | -      | 176    | 285    |      | 1  | -    | 4    | 8      |
| 390 Other manufacturing industries        |      | 45                                    | 5    | 53   | 64     |      | 2111                                   | 5252   | 5643   | 5569   |      | 27   | 116  | 117  | 113    |
| 3 Total manufacturing                     |      | 3098                                  | 2895 | 2779 | 2820   |      | 210465                                 | 219278 | 243703 | 273036 |      | 3011   | 4281 | 5073 | 6602   |

a/ Data are provisional  
c/ 371 includes 372

b/ 353 includes 354



## Sri Lanka

| ISIC Industry                             | Note | Output in producers' prices<br>(million RUPEES) |         |        |         | Note | Value added in producers' prices<br>(million RUPEES) |       |       |         | Share of value added in output<br>(percentage) |      | Share of wages and salaries in value added<br>(percentage) |      |
|---|------|---|---------|--------|---------|------|--|-------|-------|---------|--|------|--|------|
|   |      | 1985  | 1988    | 1989   | 1990a/  |      | 1985   | 1988  | 1989  | 1990a/  | 1985   | 1990 | 1985   | 1990 |
| 311/2 Food Products                       |      | 11089   | 14686   | 20661  | 18056   |      |  | 4998  | 7523  | 6998    |  | 38.8 |  | 14.5 |
| 313 Beverages                             |      | 2346  | 3206    | 3771   | 2078    |      |  | 2573  | 2795  | 1779    |  | 85.6 |  | 5.8  |
| 314 Tobacco                               |      | 4623  | 5776    | 5187   | 6986    |      |  | 5214  | 4473  | 6251    |  | 89.5 |  | 4.1  |
| 321 Textiles                              |      | 4014  | 4330    | 5853   | 7511    |      |  | 2017  | 2384  | 3295    |  | 43.9 |  | 25.2 |
| 322 Wearing apparel, except footwear      |      | 2002  | 6550    | 8781   | 14240   |      |  | 2518  | 3719  | 6793    |  | 47.7 |  | 24.6 |
| 323 Leather and fur products              |      | 13  | 87      | 66     | 268     |      |  | 51    | 31    |         |  |      |  |      |
| 324 Footwear, except rubber or plastic    |      | 675   | 636     | 981    | 1440    |      |  | 353   | 644   | 790     |  | 54.9 |  | 21.6 |
| 331 Wood products, except furniture       |      | 627   | 399     | 336    | 559     |      |  | 268   | 194   | 371     |  | 66.4 |  | 24.8 |
| 332 Furniture and fixtures, excl metal    |      | 56  | 55      | 50     | 61      |      |  | 30    | 24    |         |  |      |  |      |
| 341 Paper and products                    |      | 650   | 1167    | 1141   | 1057    |      |  | 637   | 322   | 704     |  | 66.6 |  | 20.6 |
| 342 Printing and publishing               |      | 463   | 1042    | 1230   | 1555    |      |  | 376   | 323   | 584     |  | 37.6 |  | 24.0 |
| 351 Industrial chemicals                  |      | 657   | 374     | 402    | 904     |      |  | 87    | 111   | 450     |  | 49.8 |  | 8.7  |
| 352 Other chemicals                       |      | 1940  | 2388    | 2490   | 2656    |      |  | 760   | 737   | 1287    |  | 48.5 |  | 16.4 |
| 353 Petroleum refineries                  |      | 14381   | 10032b/ | 7952b/ | 16068b/ |      |  | 360b/ | 433b/ | 4250b/  |  | 26.5 |  | 2.4  |
| 354 Misc petroleum and coal products      |      | -   | b/      | b/     | b/      |      |  | b/    | b/    | b/      |  |      |  |      |
| 355 Rubber products                       |      | 1517  | 2045    | 2284   | 3570    |      |  | 970   | 1165  | 2021    |  | 56.6 |  | 19.1 |
| 356 Plastic products                      |      | 241   | 699     | 466    | 869     |      |  | 271   | 140   | 354     |  | 41.9 |  | 20.1 |
| 361 Pottery, china, earthenware           |      | 468   | 986     | 1023   | 1066    |      |  | 446   | 513   | 311     |  | 29.2 |  | 82.3 |
| 362 Glass and products                    |      | 129   | 189     | 171    | 226     |      |  | 111   | 113   | 123     |  | 54.4 |  | 29.3 |
| 369 Other non-metallic mineral products   |      | 1666  | 2354    | 2761   | 3853    |      |  | 946   | 1015  | 1110    |  | 28.8 |  | 34.6 |
| 371 Iron and steel                        |      | 166c/   | 713c/   | 505    | 975     |      |  | 211c/ | 141   | 310     |  | 31.8 |  | 30.0 |
| 372 Non-ferrous metals                    |      | c/  | c/      | 219    | 351     |      |  | c/    | 72    | 112     |  | 31.9 |  | 11.6 |
| 381 Fabricated metal products             |      | 219   | 710     | 1160   | 1676    |      |  | 336   | 439   | 611     |  | 36.5 |  | 21.3 |
| 382 Non-electrical machinery              |      | 337   | 191     | 853    | 903     |      |  | 86    | 439   | 371     |  | 41.1 |  | 19.9 |
| 383 Electrical machinery                  |      | 622   | 506     | 684    | 751     |      |  | 191   | 318   | 281     |  | 37.4 |  | 16.7 |
| 384 Transport equipment                   |      | 207   | 679     | 622    | 1702    |      |  | 227   | 307   |         |  |      |  |      |
| 385 Professional and scientific equipment |      | 8   | -       | 14     | 35      |      |  | -     | 5     | 16      |  | 45.7 |  | 50.0 |
| 390 Other manufacturing industries        |      | 177   | 1724    | 1773   | 3300    |      |  | 786   | 530   | 389     |  | 11.8 |  | 29.0 |
| 3 Total manufacturing                     |      | 49303   | 61524   | 71436  | 92716   |      |  | 24813 | 28910 | 39571d/ |  | 42.7 |  | 16.7 |

a/ Data are provisional  
c/ 371 includes 372

b/ 353 includes 354  
d/ Sum of available data

## Sri Lanka

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |        | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|--------|------|--|------|------|------|------|------|------|------|------|
|   |      | (million RUPEES)              |      |      |        |      | (1980=100)                             |      |      |      |      |      |      |      |      |
|   |      | 1985                          | 1988 | 1989 | 1990a/ |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      | 574                           | 426  | 339  | 614    | L/   | 59                                     | 96   | 116  | 102  | 92   | 109  | 114  | 171  | 147  |
| 313 Beverages                             |      | 74                            | 25   | 101  | 64     | b/   |  |      |      |      |      |      |      |      |      |
| 314 Tobacco                               |      | 42                            | 89   | 265  | 222    | b/   |  |      |      |      |      |      |      |      |      |
| 321 Textiles                              |      | 233                           | 217  | 307  | 949    | c/   | 168                                    | 177  | 189  | 218  | 282  | 364  | 487  | 661  | 819  |
| 322 Wearing apparel, except footwear      |      | 91                            | 209  | 317  | 559    | c/   |  |      |      |      |      |      |      |      |      |
| 323 Leather and fur products              |      | 1                             | -    | 19   | 5      | c/   |  |      |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      | 54                            | 10   | 58   | 60     | c/   |  |      |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      | 24                            | 22   | 19   | 7      | d/   | 94                                     | 91   | 101  | 84   | 46   | 36   | 48   | 47   | 56   |
| 332 Furniture and fixtures, excl metal    |      | 1                             | 1    | 2    | 3      | d/   |  |      |      |      |      |      |      |      |      |
| 341 Paper and products                    |      | 13                            | 62   | 31   | 57     |      | 89                                     | 90   | 128  | 132  | 170  | 160  | 133  | 163  | 164  |
| 342 Printing and publishing               |      | 44                            | 78   | 93   | 46     |      | 123                                    | 123  | 123  | 123  | 133  | 139  | 164  |      |      |
| 351 Industrial chemicals                  |      | 17                            | 83   | 30   | 216    | e/   | 100                                    | 131  | 116  | 104  | 107  | 84   | 116  | 119  | 122  |
| 352 Other chemicals                       |      | 75                            | 97   | 96   | 129    | e/   |  |      |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      | 212                           | 181/ | 161/ | 181/   | e/   |  |      |      |      |      |      |      |      |      |
| 354 Misc petroleum and coal products      |      | -                             | f/   | f/   | f/     | e/   |  |      |      |      |      |      |      |      |      |
| 355 Rubber products                       |      | 27                            | 139  | 58   | 1009   | e/   |  |      |      |      |      |      |      |      |      |
| 356 Plastic products                      |      | 19                            | 16   | 9    | 71     | e/   |  |      |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      | 10                            | 30   | 53   | 197    | g/   | 71                                     | 90   | 112  | 119  | 138  | 139  | 106  | 162  | 128  |
| 362 Glass and products                    |      | 1                             | 19   | 31   | 31     | g/   |  |      |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      | 34                            | 104  | 282  | 153    | g/   |  |      |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      | 2h/                           | 11h/ | 9    | 8      | h/   | 37                                     | 61   | 84   | 73   | 101  | 96   | 142  | 169  | 122  |
| 372 Non-ferrous metals                    |      | h/                            | h/   | 10   | 3      | h/   |  |      |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      | 11                            | 73   | 217  | 226    | i/   | 76                                     | 60   | 56   | 80   | 78   | 102  | 133  | 116  | 120  |
| 382 Non-electrical machinery              |      | 3                             | 8    | 8    | 14     | i/   |  |      |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      | 13                            | 20   | 27   | 48     | i/   |  |      |      |      |      |      |      |      |      |
| 384 Transport equipment                   |      | 6                             | 17   | 85   | 26     | i/   |  |      |      |      |      |      |      |      |      |
| 385 Professional and scientific equipment |      | -                             | -    | -    | 4      | i/   |  |      |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      | 12                            | 229  | 25   | 37     |      |  |      |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      | 1593                          | 2003 | 2507 | 4774   |      | 87                                     | 112  | 121  | 118  | 126  | 140  | 166  | 218  | 243  |

a/ Data are provisional

c/ 321 includes 322, 323 and 324

e/ 351 includes 352, 353, 354, 355 and 356

g/ 361 includes 362 and 369

i/ 381 includes 382, 383, 384 and 385

b/ 311/2 includes 313 and 314

d/ 331 includes 332

f/ 353 includes 354

h/ 371 includes 372

## SURINAME

**Supplier of information:**

Algemeen bureau voor de statistiek, Paramaribo.

**Basic source of data:**

Quarterly industrial survey.

**Major deviations from current version of ISIC:**

Manufacturing data are available only for selected industries.

**Reference period (if not calendar year):****Scope:**

All industrial establishments.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

No deviations from the standard UN concepts and definitions are reported.

**Related national publications:**

## Suriname

| ISIC Industry                             | Note | Number of establishments<br>(numbers) |      |      |       | Note | Number of persons engaged<br>(numbers) |        |        |      | Note | Wages and salaries paid<br>to employees<br>(million GULDERS) |         |         |      |
|---|------|---------------------------------------|------|------|-------|------|--|--------|--------|------|------|--|---------|---------|------|
|   |      | 1985                                  | 1990 | 1991 | 1992  |      | 1985                                   | 1990   | 1991   | 1992 |      | 1985   | 1990    | 1991    | 1992 |
| 311/2 Food Products                       |      |                                       |      |      | 113   |      | 2740                                   | 2782   | 2689   |      |      | 60.4   | 52.0    | 76.7    |      |
| 313 Beverages                             |      |                                       |      |      | 5     |      | 509                                    | 433    | 609    |      |      | 16.0   | 12.6    | 25.2    |      |
| 314 Tobacco                               |      |                                       |      |      | 2     |      | 88                                     | 85     | 85     |      |      | 4.0  | 5.8     | 5.1     |      |
| 321 Textiles                              |      |                                       |      |      |       |      |  |        |        |      |      |  |         |         |      |
| 322 Wearing apparel, except footwear      |      |                                       |      |      | 23    |      | 293                                    | 400    | 390    |      |      | 2.8  | 4.3     | 4.6     |      |
| 323 Leather and fur products              |      |                                       |      |      | 1     |      |  |        |        |      |      |  |         |         |      |
| 324 Footwear, except rubber or plastic    |      |                                       |      |      | 5     |      | 116                                    | 131    | 125    |      |      | 1.8  | 1.6     | 2.0     |      |
| 331 Wood products, except furniture       |      |                                       |      |      | 35    |      | 1139                                   | 1237   | 1267   |      |      | 16.3   | 28.7    | 31.7    |      |
| 332 Furniture and fixtures, excl. metal   |      |                                       |      |      | 28    |      | 212                                    | 208    | 194    |      |      | 2.5  | 2.9     | 2.6     |      |
| 341 Paper and products                    |      |                                       |      |      | 6     |      | 62                                     | 66     | 29     |      |      | 1.0  | 0.9     | 0.5     |      |
| 342 Printing and publishing               |      |                                       |      |      | 17    |      | 187                                    | 177    | 195    |      |      | 4.2  | 4.8     | 6.5     |      |
| 351 Industrial chemicals                  |      |                                       |      |      |       |      |  |        |        |      |      |  |         |         |      |
| 352 Other chemicals                       |      |                                       |      |      | 12    |      | 335                                    | 312    | 338    |      |      | 11.2   | 13.3    | 13.0    |      |
| 353 Petroleum refineries                  |      |                                       |      |      |       |      |  |        |        |      |      |  |         |         |      |
| 354 Misc. petroleum and coal products     |      |                                       |      |      |       |      |  |        |        |      |      |  |         |         |      |
| 355 Rubber products                       |      |                                       |      |      | 1     |      | 28                                     | 27     | 20     |      |      | 0.4  | 0.5     | 0.9     |      |
| 356 Plastic products                      |      |                                       |      |      | 6     |      | 18                                     | 62     | 66     |      |      | 0.2  | 0.2     | 0.2     |      |
| 361 Pottery, china, earthenware           |      |                                       |      |      | 25a/  |      | 316a/                                  | 342a/  | 301a/  |      |      | 6.3a/  | 7.7a/   | 7.3a/   |      |
| 362 Glass and products                    |      |                                       |      |      | a/    |      | a/                                     | a/     | a/     |      |      | a/   | a/      | a/      |      |
| 369 Other non-metallic mineral products   |      |                                       |      |      | a/    |      | a/                                     | a/     | a/     |      |      | a/   | a/      | a/      |      |
| 371 Iron and steel                        |      |                                       |      |      |       |      |  |        |        |      |      |  |         |         |      |
| 372 Non-ferrous metals                    |      |                                       |      |      | 12    |      |  |        |        |      |      |  |         |         |      |
| 381 Fabricated metal products             |      |                                       |      |      |       |      |  |        |        |      |      |  |         |         |      |
| 382 Non-electrical machinery              |      |                                       |      |      |       |      |  |        |        |      |      |  |         |         |      |
| 383 Electrical machinery                  |      |                                       |      |      | 3     |      |  |        |        |      |      |  |         |         |      |
| 384 Transport equipment                   |      |                                       |      |      | 2     |      | 59                                     | 72     | 77     |      |      | 1.8  | 2.3     | 2.0     |      |
| 385 Professional and scientific equipment |      |                                       |      |      | 1     |      | 21                                     | 21     | 22     |      |      | 0.3  | 0.4     | 0.4     |      |
| 390 Other manufacturing industries        |      |                                       |      |      | 6     |      | 78                                     | 67     | 94     |      |      | 0.2  | 0.3     | 0.2     |      |
| 3 Total manufacturing                     |      |                                       |      |      | 303b/ |      | 6281b/                                 | 6422b/ | 6501b/ |      |      | 121.4b/  | 138.3b/ | 177.9b/ |      |

a/ 361 includes 362 and 369

b/ Sum of available data

## Surname

| ISIC Industry                             | Note | Output in factor values |       |       |        | Note | Value added       |      |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-------------------------|-------|-------|--------|------|-------------------|------|------|------|--------------------------------|------|--|------|
|   |      | (million GULDERS)       |       |       |        |      | (million GULDERS) |      |      |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                    | 1990  | 1991  | 1992   |      | 1985              | 1990 | 1991 | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       |      |                         | 310   | 352   | 417    |      |                   |      |      |      |                                |      |  |      |
| 313 Beverages                             |      |                         | 153   | 185   | 278    |      |                   |      |      |      |                                |      |  |      |
| 314 Tobacco                               |      |                         | 71    | 86    | 153    |      |                   |      |      |      |                                |      |  |      |
| 321 Textiles                              |      |                         |       |       |        |      |                   |      |      |      |                                |      |  |      |
| 322 Wearing apparel, except footwear      |      |                         | 12    | 18    | 19     |      |                   |      |      |      |                                |      |  |      |
| 323 Leather and fur products              |      |                         |       |       |        |      |                   |      |      |      |                                |      |  |      |
| 324 Footwear, except rubber or plastic    |      |                         | 8     | 16    | 20     |      |                   |      |      |      |                                |      |  |      |
| 331 Wood products, except furniture       |      |                         | 39    | 95    | 109    |      |                   |      |      |      |                                |      |  |      |
| 332 Furniture and fixtures, excl metal    |      |                         | 10    | 18    | 18     |      |                   |      |      |      |                                |      |  |      |
| 341 Paper and products                    |      |                         | 18    | 10    | 9      |      |                   |      |      |      |                                |      |  |      |
| 342 Printing and publishing               |      |                         | 17    | 13    | 20     |      |                   |      |      |      |                                |      |  |      |
| 351 Industrial chemicals                  |      |                         |       |       |        |      |                   |      |      |      |                                |      |  |      |
| 352 Other chemicals                       |      |                         | 64    | 67    | 103    |      |                   |      |      |      |                                |      |  |      |
| 353 Petroleum refineries                  |      |                         |       |       |        |      |                   |      |      |      |                                |      |  |      |
| 354 Misc petroleum and coal products      |      |                         |       | 1     | 9      |      |                   |      |      |      |                                |      |  |      |
| 355 Rubber products                       |      |                         |       | 12    | 8      |      |                   |      |      |      |                                |      |  |      |
| 356 Plastic products                      |      |                         | 1     |       |        |      |                   |      |      |      |                                |      |  |      |
| 361 Pottery, china, earthenware           |      |                         | 59a/  | 64a/  | 66a/   |      |                   |      |      |      |                                |      |  |      |
| 362 Glass and products                    |      |                         | a/    | a/    | a/     |      |                   |      |      |      |                                |      |  |      |
| 369 Other non-metallic mineral products   |      |                         | a/    | a/    | a/     |      |                   |      |      |      |                                |      |  |      |
| 371 Iron and steel                        |      |                         |       |       |        |      |                   |      |      |      |                                |      |  |      |
| 372 Non-ferrous metals                    |      |                         |       |       |        |      |                   |      |      |      |                                |      |  |      |
| 381 Fabricated metal products             |      |                         |       |       |        |      |                   |      |      |      |                                |      |  |      |
| 382 Non-electrical machinery              |      |                         |       |       |        |      |                   |      |      |      |                                |      |  |      |
| 383 Electrical machinery                  |      |                         |       |       |        |      |                   |      |      |      |                                |      |  |      |
| 384 Transport equipment                   |      |                         | 11    | 10    | 11     |      |                   |      |      |      |                                |      |  |      |
| 385 Professional and scientific equipment |      |                         | 1     | 3     | 3      |      |                   |      |      |      |                                |      |  |      |
| 390 Other manufacturing industries        |      |                         | 2     | 4     | 6      |      |                   |      |      |      |                                |      |  |      |
| 3 Total manufacturing                     |      |                         | 776b/ | 954b/ | 1249b/ |      |                   |      |      |      |                                |      |  |      |

a/ 361 includes 362 and 369

b/ Sum of available data

## Suriname

| ISIC Industry                             | Gross fixed capital formation |                   |      |      | Index numbers of industrial production |      |            |      |      |      |      |      |      |      |      |  |
|---|-------------------------------|-------------------|------|------|--|------|------------|------|------|------|------|------|------|------|------|--|
|   | Note                          | (million GULDERS) |      |      |  | Note | (1980=100) |      |      |      |      |      |      |      |      |  |
|   |                               | 1985              | 1990 | 1991 | 1992                                   |      | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |  |
| 311/2 Food Products                       |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 313 Beverages                             |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 314 Tobacco                               |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 321 Textiles                              |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 322 Wearing apparel, except footwear      |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 323 Leather and fur products              |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 324 Footwear, except rubber or plastic    |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 331 Wood products, except furniture       |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 332 Furniture and fixtures, excl metal    |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 341 Paper and products                    |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 342 Printing and publishing               |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 351 Industrial chemicals                  |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 352 Other chemicals                       |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 353 Petroleum refineries                  |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 354 Misc petroleum and coal products      |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 355 Rubber products                       |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 356 Plastic products                      |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 361 Pottery, china, earthenware           |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 362 Glass and products                    |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 369 Other non-metallic mineral products   |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 371 Iron and steel                        |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 372 Non-ferrous metals                    |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 381 Fabricated metal products             |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 382 Non-electrical machinery              |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 383 Electrical machinery                  |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 384 Transport equipment                   |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 385 Professional and scientific equipment |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 390 Other manufacturing industries        |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 3 Total manufacturing                     |                               | ...               | ...  | ...  | ...                                    |      | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |

## SWAZILAND

**Supplier of information:**

Central Statistical Office, Mbabane.

**Basic source of data:**

Annual industrial census.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

Establishments with 10 or more persons engaged and establishments with less than 10 persons engaged whose structure and accounting practices allow them to complete the questionnaire without difficulty.

**Method of enumeration:**

Questionnaires distributed by mail with follow-up site visits as required.

**Adjusted for non-response:**

No.

**Concepts and definitions of variables:**

Wages and salaries includes employers' contribution to pension and other social insurance schemes.

Output refers to gross output and value added to total value added.

**Related national publications:**

Census of Industrial Production (annual); Annual Statistical Bulletin, both published by the Central Statistical Office, Mbabane.

## Swaziland

| ISIC Industry                             | Note | Number of establishments<br>(numbers) |      |      |      | Note | Number of employees<br>(numbers) |       |       |       | Note | Wages and salaries paid<br>to employees<br>(thousand EMALANGENI) |        |        |        |
|---|------|---------------------------------------|------|------|------|------|----------------------------------|-------|-------|-------|------|--|--------|--------|--------|
|   |      | 1985                                  | 1988 | 1989 | 1990 |      | 1985                             | 1988  | 1989  | 1990  |      | 1985   | 1988   | 1989   | 1990   |
| 311/2 Food Products                       |      | 9                                     | 9    | 9    | 11   |      | 5687                             | 5881  | 9046  | 9616  |      | 23547  | 38100  | 33098  | 48464  |
| 313 Beverages                             |      | 3                                     | 3    | 3    | 3    |      | 412                              | 442   | 503   | 535   |      | 2497   | 6200   | 7200   | 10216  |
| 314 Tobacco                               |      | -                                     | -    | -    | -    |      | -                                | -     | -     | -     |      | -  | -      | -      | -      |
| 321 Textiles                              | a/   | 35                                    | 15   | 15   | 16   | a/   | 710                              | 2429  | 2201  | 2423  | a/   | 1540   | 7940   | 9156   | 33487  |
| 322 Wearing apparel, except footwear      | a/   | -                                     | -    | -    | -    | a/   | -                                | -     | -     | -     | a/   | -  | -      | -      | -      |
| 323 Leather and fur products              | a/   | -                                     | -    | -    | -    | a/   | -                                | -     | -     | -     | a/   | -  | -      | -      | -      |
| 324 Footwear, except rubber or plastic    |      | -                                     | -    | -    | -    |      | -                                | -     | -     | -     |      | -  | -      | -      | -      |
| 331 Wood products, except furniture       | b/   | 17                                    | 13   | 15   | 14   | b/   | 1865                             | 1487  | 1502  | 1811  | b/   | 5168   | 5001   | 7804   | 9524   |
| 332 Furniture and fixtures, excl metal    | b/   | -                                     | -    | -    | -    | b/   | -                                | -     | -     | -     | b/   | -  | -      | -      | -      |
| 341 Paper and products                    | c/   | 16                                    | 20   | 20   | 20   | c/   | 1870                             | 1917  | 2609  | 3764  | c/   | 13155  | 33177  | 42198  | 60117  |
| 342 Printing and publishing               | c/   | -                                     | -    | -    | -    | c/   | -                                | -     | -     | -     | c/   | -  | -      | -      | -      |
| 351 Industrial chemicals                  | d/   | 10                                    | 17   | 17   | 17   | d/   | 149                              | 279   | 320   | 350   | d/   | 788  | 1188   | 1623   | 3082   |
| 352 Other chemicals                       | d/   | -                                     | -    | -    | -    | d/   | -                                | -     | -     | -     | d/   | -  | -      | -      | -      |
| 353 Petroleum refineries                  | d/   | -                                     | -    | -    | -    | d/   | -                                | -     | -     | -     | d/   | -  | -      | -      | -      |
| 354 Misc petroleum and coal products      | d/   | -                                     | -    | -    | -    | d/   | -                                | -     | -     | -     | d/   | -  | -      | -      | -      |
| 355 Rubber products                       |      | -                                     | -    | -    | -    |      | -                                | -     | -     | -     |      | -  | -      | -      | -      |
| 356 Plastic products                      | d/   | -                                     | -    | -    | -    | d/   | -                                | -     | -     | -     | d/   | -  | -      | -      | -      |
| 361 Pottery, china, earthenware           |      | -                                     | -    | -    | -    |      | -                                | -     | -     | -     |      | -  | -      | -      | -      |
| 362 Glass and products                    | e/   | 12                                    | 11   | 13   | 14   | e/   | 328                              | 901   | 630   | 572   | e/   | 970  | 3720   | 3176   | 3944   |
| 369 Other non-metallic mineral products   | e/   | -                                     | -    | -    | -    | e/   | -                                | -     | -     | -     | e/   | -  | -      | -      | -      |
| 371 Iron and steel                        |      | -                                     | -    | -    | -    |      | -                                | -     | -     | -     |      | -  | -      | -      | -      |
| 372 Non-ferrous metals                    |      | -                                     | -    | -    | -    |      | -                                | -     | -     | -     |      | -  | -      | -      | -      |
| 381 Fabricated metal products             |      | 26                                    | 25   | -    | -    |      | 427                              | 633   | 797   | 563   |      | 2933   | 6148   | 8091   | 6381   |
| 382 Non-electrical machinery              | f/   | 3                                     | 4    | 5    | 5    | f/   | 83                               | 60    | 370   | 373   | f/   | 365  | 367    | 1000   | 1300   |
| 383 Electrical machinery                  | f/   | -                                     | -    | -    | -    | f/   | -                                | -     | -     | -     | f/   | -  | -      | -      | -      |
| 384 Transport equipment                   |      | -                                     | -    | -    | -    |      | -                                | -     | -     | -     |      | -  | -      | -      | -      |
| 385 Professional and scientific equipment |      | -                                     | -    | -    | -    |      | -                                | -     | -     | -     |      | -  | -      | -      | -      |
| 390 Other manufacturing industries        |      | 7                                     | 6    | 2    | 2    |      | 142                              | 617   | 13    | 22    |      | 239  | 1562   | 19     | 43     |
| 3 Total manufacturing                     |      | 138                                   | 123  | 99   | 102  |      | 11673                            | 14346 | 17991 | 20029 |      | 51202  | 103401 | 119366 | 176558 |

a/ 321 includes 322 and 323  
c/ 341 includes 342  
e/ 362 includes 369

b/ 331 includes 332  
d/ 351 includes 352, 353, 354 and 355  
f/ 382 includes 383



## Swaziland

| ISIC Industry                             | Note | Output in factor values |        |        |        | Note | Value added in factor values |       |       |       | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-------------------------|--------|--------|--------|------|------------------------------|-------|-------|-------|--------------------------------|------|--|------|
|   |      | (million EMALANGENI)    |        |        |        |      | (million EMALANGENI)         |       |       |       | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                    | 1988   | 1989   | 1990   |      | 1985                         | 1988  | 1989  | 1990  | 1985                           | 1990 | 1985                                       | 1990 |
| 311/2 Food Products                       |      | 227.8                   | 381.9  | 517.1  | 650.7  |      | 56.7                         | 122.5 | 154.5 | 190.7 | 24.9                           | 29.3 | 41.5                                       | 25.4 |
| 313 Beverages                             |      | 21.1                    | 227.8  | 277.2  | 367.8  |      | 6.8                          | 168.4 | 197.9 | 260.5 | 32.4                           | 70.8 | 36.5                                       | 3.9  |
| 314 Tobacco                               |      | -                       | -      | -      | -      |      | -                            | -     | -     | -     | -                              | -    | -  | -    |
| 321 Textiles                              | a/   | 22.1                    | 69.0   | 92.2   | 137.1  | a/   | 3.4                          | 18.0  | 26.5  | 49.8  | 15.3                           | 36.3 | 45.4                                       | 67.2 |
| 322 Wearing apparel, except footwear      | a/   | -                       | -      | -      | -      | a/   | -                            | -     | -     | -     | -                              | -    | -  | -    |
| 323 Leather and fur products              | a/   | -                       | -      | -      | -      | a/   | -                            | -     | -     | -     | -                              | -    | -  | -    |
| 324 Footwear, except rubber or plastic    |      | -                       | -      | -      | -      |      | -                            | -     | -     | -     | -                              | -    | -  | -    |
| 331 Wood products, except furniture       | b/   | 21.3                    | 38.1   | 50.3   | 63.7   | b/   | 5.4                          | 1.5   | 15.0  | 15.7  | 25.2                           | 24.6 | 96.3                                       | 60.9 |
| 332 Furniture and fixtures, excl metal    | b/   | -                       | -      | -      | -      | b/   | -                            | -     | -     | -     | -                              | -    | -  | -    |
| 341 Paper and products                    | c/   | 101.3                   | 202.5  | 219.4  | 255.6  | c/   | 24.4                         | 107.7 | 96.2  | 103.5 | 24.1                           | 40.5 | 53.9                                       | 58.1 |
| 342 Printing and publishing               | c/   | -                       | -      | -      | -      | c/   | -                            | -     | -     | -     | -                              | -    | -  | -    |
| 351 Industrial chemicals                  | d/   | 5.7                     | 17.1   | 16.5   | 28.2   | d/   | 1.5                          | 2.3   | 2.9   | 6.3   | 25.5                           | 18.7 | 54.0                                       | 58.3 |
| 352 Other chemicals                       | d/   | -                       | -      | -      | -      | d/   | -                            | -     | -     | -     | -                              | -    | -  | -    |
| 353 Petroleum refineries                  | d/   | -                       | -      | -      | -      | d/   | -                            | -     | -     | -     | -                              | -    | -  | -    |
| 354 Misc petroleum and coal products      | d/   | -                       | -      | -      | -      | d/   | -                            | -     | -     | -     | -                              | -    | -  | -    |
| 355 Rubber products                       | d/   | -                       | -      | -      | -      | d/   | -                            | -     | -     | -     | -                              | -    | -  | -    |
| 356 Plastic products                      | d/   | -                       | -      | -      | -      | d/   | -                            | -     | -     | -     | -                              | -    | -  | -    |
| 361 Pottery, china, earthenware           | e/   | 6.0                     | 27.3   | 16.8   | 20.5   | e/   | 1.2                          | 9.5   | 5.2   | 6.7   | 19.6                           | 32.6 | 81.9                                       | 59.1 |
| 362 Glass and products                    | e/   | -                       | -      | -      | -      | e/   | -                            | -     | -     | -     | -                              | -    | -  | -    |
| 369 Other non-metallic mineral products   | e/   | -                       | -      | -      | -      | e/   | -                            | -     | -     | -     | -                              | -    | -  | -    |
| 371 Iron and steel                        |      | -                       | -      | -      | -      |      | -                            | -     | -     | -     | -                              | -    | -  | -    |
| 372 Non-ferrous metals                    |      | -                       | -      | -      | -      |      | -                            | -     | -     | -     | -                              | -    | -  | -    |
| 381 Fabricated metal products             | f/   | 19.2                    | 40.5   | 56.4   | 43.6   | f/   | 6.3                          | 10.8  | 16.4  | 12.7  | 32.9                           | 29.2 | 46.4                                       | 50.1 |
| 382 Non-electrical machinery              | f/   | 2.0                     | 2.6    | 17.7   | 23.2   | f/   | 0.6                          | 0.8   | 4.3   | 5.7   | 29.6                           | 24.4 | 60.8                                       | 23.0 |
| 383 Electrical machinery                  | f/   | -                       | -      | -      | -      | f/   | -                            | -     | -     | -     | -                              | -    | -  | -    |
| 384 Transport equipment                   |      | -                       | -      | -      | -      |      | -                            | -     | -     | -     | -                              | -    | -  | -    |
| 385 Professional and scientific equipment |      | -                       | -      | -      | -      |      | -                            | -     | -     | -     | -                              | -    | -  | -    |
| 390 Other manufacturing industries        |      | 0.6                     | 14.5   | 0.1    | 0.3    |      | 0.3                          | 4.0   | -     | 0.1   | 46.8                           | 17.0 | 82.7                                       | 84.3 |
| 3 Total manufacturing                     |      | 427.3                   | 1021.3 | 1263.7 | 1590.7 |      | 106.5                        | 445.4 | 518.0 | 650.5 | 24.9                           | 40.9 | 48.1                                       | 27.1 |

a/ 321 includes 322 and 323.  
c/ 341 includes 342  
e/ 362 includes 369

b/ 331 includes 332.  
d/ 351 includes 352, 353, 354 and 356  
f/ 382 includes 383.

## Swaziland

| ISIC Industry                             | Gross fixed capital formation |                       |       |       |       | Index numbers of industrial production |            |      |      |      |      |      |      |      |
|---|-------------------------------|-----------------------|-------|-------|-------|--|------------|------|------|------|------|------|------|------|
|   | Note                          | (thousand EMALANGENI) |       |       |       | Note                                   | (1980=100) |      |      |      |      |      |      |      |
|   |                               | 1985                  | 1988  | 1989  | 1990  |  | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |                               | 4843                  | 26749 | 26280 | 25588 |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 313 Beverages                             |                               | 118                   | 3037  | 3334  | 12870 |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 314 Tobacco                               |                               | -                     | -     | -     | -     |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 321 Textiles                              | a/                            | 21105                 | 812   | 2178  | 2266  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 322 Wearing apparel, except footwear      | a/                            | ...                   | ...   | ...   | ...   |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 323 Leather and fur products              | a/                            | ...                   | ...   | ...   | ...   |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 324 Footwear, except rubber or plastic    |                               | ...                   | ...   | ...   | ...   |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 331 Wood products, except furniture       | b/                            | 2730                  | 1423  | 2759  | 6844  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 332 Furniture and fixtures, excl metal    | b/                            | ...                   | ...   | ...   | ...   |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 341 Paper and products                    | c/                            | 3130                  | 9704  | 48541 | 21511 |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 342 Printing and publishing               | c/                            | ...                   | ...   | ...   | ...   |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 351 Industrial chemicals                  | d/                            | 64                    | 75    | 45    | 410   |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 352 Other chemicals                       | d/                            | ...                   | ...   | ...   | ...   |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 353 Petroleum refineries                  | d/                            | ...                   | ...   | ...   | ...   |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 354 Misc petroleum and coal products      | d/                            | ...                   | ...   | ...   | ...   |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 355 Rubber products                       | d/                            | ...                   | ...   | ...   | ...   |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 356 Plastic products                      | d/                            | ...                   | ...   | ...   | ...   |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 361 Pottery, china, earthenware           |                               | -                     | -     | -     | -     |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 362 Glass and products                    | e/                            | 440                   | 2181  | 1379  | 1642  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 369 Other non-metallic mineral products   | e/                            | ...                   | ...   | ...   | ...   |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 371 Iron and steel                        |                               | -                     | -     | -     | -     |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 372 Non-ferrous metals                    |                               | -                     | -     | -     | -     |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 381 Fabricated metal products             |                               | 732                   | 1694  | 1482  | 254   |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 382 Non-electrical machinery              | f/                            | 239                   | 221   | 1164  | 553   |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 383 Electrical machinery                  | f/                            | ...                   | ...   | ...   | ...   |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 384 Transport equipment                   |                               | -                     | -     | -     | -     |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 385 Professional and scientific equipment |                               | -                     | -     | -     | -     |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 390 Other manufacturing industries        |                               | 55                    | 6374  | -     | 36    |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 3 Total manufacturing                     |                               | 33456                 | 52270 | 87142 | 72174 |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  |

a/ 321 includes 322 and 323  
c/ 341 includes 342  
e/ 362 includes 369

b/ 331 includes 332.  
d/ 351 includes 352, 353, 354 and 356.  
f/ 382 includes 383.

## SWEDEN

**Supplier of information:**

Statistiska Centralbyran (Statistics Sweden), Stockholm.  
Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

**Basic source of data:**

Annual manufacturing inquiry.

**Major deviations from current version of ISIC:**

Until 1988, ISIC 342 (printing and publishing) did not include publishing, since this activity was not included in the annual inquiry. From 1989, this activity is included.

**Reference period (if not calendar year):****Scope:**

Through 1990, all establishments employing five or more persons were covered, and estimates were made for units not covered by the survey. From 1991, the survey covers those manufacturing establishments (with five or more persons) of manufacturing enterprises that employ ten or more persons and those manufacturing establishments of non-manufacturing enterprises that have ten or more employees.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

Both the number of persons engaged and the number of employees are computed using the average number of wage earners throughout the year plus the number of salaried employees at a certain date. Persons engaged include working proprietors, active business partners, self-employed persons, salaried employees and wage earners. All full- and part-time employees are included, as well as clerical workers and supervisory personnel performing functions closely related to the production process.

Wages and salaries paid to employees includes regular and overtime cash payments, bonuses and cost-of-living allowances, vacation and sick leave pay, taxes and those social insurance contributions that are payable by employees and deducted by employers and payments in kind. Social security costs are not included.

Output is in factor values. Certain food subsidies are not included. The value of all products, net change of work in progress, services rendered and products and goods made by homeworkers are included. Until 1990, value added, in factor values, was calculated as the value of output less the cost of materials, fuels and other supplies, contract and commission work done by others and electricity purchased, excluding the cost of, and receipts for, non-industrial services. Since 1991, it has been calculated as output less total costs except wages and salaries (including social costs). Input estimates are on a consumed basis.

**Related national publications:**

Official Statistics of Sweden, published by Statistics Sweden.

## Sweden

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note  | Number of employees |      |        |        | Note   | Wages and salaries paid to employees |      |      |      |
|--|------|--------------------------|------|------|------|-------|---------------------|------|--------|--------|--------|--------------------------------------|------|------|------|
|  |      | (numbers)                |      |      |      |       | (thousands)         |      |        |        |        | (million Kronor)                     |      |      |      |
|  |      | 1985                     | 1990 | 1991 | 1992 |       | 1985                | 1990 | 1991a/ | 1992a/ |        | 1985                                 | 1990 | 1991 | 1992 |
| 311/2 Food Products                              |      | 797                      | 736  | 831  | 819  | 62.2  | 61.5                | 62.9 | 58.9   |        | 5638   | 8207                                 | 8988 | 9184 |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 164                      | 181  |      |      | 17.2  | 18.2                |      |        |        | 1496   | 2302                                 |      |      |      |
| 3112 Dairy products                              |      | 111                      | 83   |      |      | 10.1  | 9.8                 |      |        |        | 946    | 1307                                 |      |      |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 40                       | 32   |      |      | 6.3   | 5.9                 |      |        |        | 582    | 794                                  |      |      |      |
| 3114 Canning, preserving and processing of fish  |      | 57                       | 44   |      |      | 2.5   | 2.0                 |      |        |        | 184    | 243                                  |      |      |      |
| 3115 Vegetable and animal oils and fats          |      | 6                        | 7    |      |      | 1.7   | 1.3                 |      |        |        | 203    | 228                                  |      |      |      |
| 3116 Grain mill products                         |      | 19                       | 18   |      |      | 0.7   | 0.7                 |      |        |        | 76     | 111                                  |      |      |      |
| 3117 Bakery products                             |      | 274                      | 257  |      |      | 12.0  | 12.9                |      |        |        | 1053   | 1667                                 |      |      |      |
| 3118 Sugar factories and refineries              |      | 8                        | 8    |      |      | 2.0   | 1.8                 |      |        |        | 221    | 286                                  |      |      |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 32                       | 30   |      |      | 5.2   | 4.9                 |      |        |        | 454    | 652                                  |      |      |      |
| 3121 Other food products                         |      | 53                       | 44   |      |      | 3.3   | 2.9                 |      |        |        | 304    | 437                                  |      |      |      |
| 3122 Prepared animal feeds                       |      | 33                       | 32   |      |      | 1.2   | 1.1                 |      |        |        | 119    | 180                                  |      |      |      |
| 313 Beverages                                    |      | 36                       | 30   | 33   | 32   | 4.4   | 4.8                 | 4.8  | 4.6    |        | 479    | 780                                  | 840  | 880  |      |
| 3131 Distilling, rectifying and blending spirits |      | 8                        | 6    |      |      | 1.0   | 1.2                 |      |        |        | 96     | 201                                  |      |      |      |
| 3132 Wine industries                             |      |                          |      |      |      |       |                     |      |        |        |        |                                      |      |      |      |
| 3133 Malt liquors and malt                       |      | 14                       | 14   |      |      | 2.9   | 3.2                 |      |        |        | 336    | 531                                  |      |      |      |
| 3134 Soft drinks and carbonated waters           |      | 14                       | 10   |      |      | 0.5   | 0.4                 |      |        |        | 48     | 48                                   |      |      |      |
| 314 Tobacco                                      |      | 4                        | 4    | 9    | 8    | 1.4   | 1.1                 | 1.1  | 1.0    |        | 136    | 152                                  | 183  | 181  |      |
| 32 Textiles                                      |      | 285                      | 247  | 234  | 209  | 16.4  | 12.8                | 11.6 | 10.5   |        | 1393   | 1571                                 | 1670 | 1540 |      |
| 3211 Spinning, weaving and finishing textiles    |      | 93                       | 72   |      |      | 6.6   | 5.6                 |      |        |        | 576    | 740                                  |      |      |      |
| 3212 Made-up textile goods excl. wearing apparel |      | 80                       | 78   |      |      | 3.1   | 2.9                 |      |        |        | 234    | 319                                  |      |      |      |
| 3213 Knitting mills                              |      | 64                       | 55   | 46   | 43   | 3.7   | 2.7                 | 1.8  | 1.6    |        | 304    | 283                                  | 226  | 232  |      |
| 3214 Carpets and rugs                            |      | 12                       | 10   |      |      | 0.5   | 0.2                 |      |        |        | 45     | 34                                   |      |      |      |
| 3215 Cordage, rope and twine                     |      | 8                        | 10   |      |      | 0.2   | 0.2                 |      |        |        | 13     | 17                                   |      |      |      |
| 3219 Other textiles                              |      | 28                       | 22   |      |      | 2.3   | 1.2                 |      |        |        | 221    | 178                                  |      |      |      |
| 322 Wearing apparel, except footwear             |      | 267                      | 183  | 143  | 106  | 10.9  | 6.7                 | 4.8  | 3.8    |        | 773    | 666                                  | 536  | 458  |      |
| 323 Leather and fur products                     |      | 29                       | 30   | 23   | 21   | 1.6   | 1.1                 | 0.9  | 0.9    |        | 136    | 123                                  | 112  | 113  |      |
| 3231 Tanneries and leather finishing             |      | 8b/                      | 5b/  |      |      | 1.1b/ | 0.5b/               |      |        |        | 92b/   | 60b/                                 |      |      |      |
| 3232 Fur dressing and dyeing industries          |      | b/                       | b/   |      |      | b/    | b/                  |      |        |        | b/     | b/                                   |      |      |      |
| 3233 Leather products excl. wearing apparel      |      | 21                       | 25   |      |      | 0.5   | 0.6                 |      |        |        | 43     | 63                                   |      |      |      |
| 324 Footwear, except rubber or plastic           |      | 45                       | 26   | 20   | 17   | 1.4   | 0.7                 | 0.6  | 0.6    |        | 107    | 77                                   | 76   | 75   |      |
| 33 Wood products, except furniture               |      | 1115                     | 988  | 875  | 827  | 44.3  | 4.0                 | 40.6 | 37.2   |        | 4009   | 6010                                 | 6141 | 5802 |      |
| 3311 Sawmills, planing and other wood mills      |      | 952                      | 856  |      |      | 40.1  | 41.0                |      |        |        | 3654   | 5649                                 |      |      |      |
| 3312 Wooden and cane containers                  |      | 36                       | 26   |      |      | 0.9   | 0.7                 |      |        |        | 77     | 90                                   |      |      |      |
| 3319 Other wood and cork products                |      | 127                      | 96   |      |      | 3.3   | 2.3                 |      |        |        | 278    | 271                                  |      |      |      |
| 332 Furniture and fixtures, excl. metal          |      | 298                      | 279  | 247  | 217  | 11.8  | 11.1                | 10.6 | 9.6    |        | 1014   | 1365                                 | 1436 | 1367 |      |
| 34 Paper and products                            |      | 210                      | 214  | 253  | 247  | 53.9  | 51.6                | 50.6 | 47.1   |        | 6028   | 8203                                 | 8942 | 8892 |      |
| 3411 Pulp, paper and paperboard articles         |      | 84                       | 80   | 112  | 110  | 42.4  | 38.8                | 37.8 | 34.8   |        | 4771   | 6360                                 | 6872 | 6759 |      |
| 3412 Containers of paper and paperboard          |      | 75                       | 79   |      |      | 7.0   | 6.9                 |      |        |        | 710    | 999                                  |      |      |      |
| 3419 Other pulp, paper and paperboard articles   |      | 51                       | 55   |      |      | 4.5   | 5.9                 |      |        |        | 547    | 844                                  |      |      |      |
| 342 Printing and publishing                      |      | 269                      | 249  | 949  | 922  | 42.6  | 41.7                | 52.9 | 47.9   |        | 4994   | 6992                                 | 8889 | 8817 |      |
| 35 Industrial chemicals                          |      | 155                      | 175  | 199  | 193  | 17.5  | 17.9                | 18.8 | 17.3   |        | 1983   | 3008                                 | 3457 | 3354 |      |
| 3511 Basic chemicals excl. fertilizers           |      | 68c/                     | 70c/ | 84   | 82   | 9.5c/ | 8.8c/               | 8.2  | 7.7    |        | 1132c/ | 1560c/                               | 1665 | 1528 |      |
| 3512 Fertilizers and pesticides                  |      | c/                       | c/   | 7    | 7    | c/    | c/                  | 0.8  | 0.7    |        | c/     | c/                                   | 156  | 146  |      |
| 3513 Synthetic resins and plastic materials      |      | 87                       | 105  | 108  | 104  | 8.0   | 9.1                 | 9.8  | 9.0    |        | 851    | 1448                                 | 1737 | 1681 |      |
| 352 Other chemicals                              |      | 152                      | 150  | 172  | 174  | 25.2  | 23.8                | 20.9 | 19.7   |        | 2810   | 3936                                 | 3881 | 3949 |      |
| 3521 Paints, varnishes and lacquers              |      | 35                       | 31   | 33   | 32   | 2.6   | 2.8                 | 2.9  | 2.7    |        | 270    | 443                                  | 499  | 494  |      |
| 3522 Drugs and medicines                         |      | 25                       | 31   | 39   | 40   | 9.4   | 9.5                 | 9.6  | 9.1    |        | 1099   | 1638                                 | 1948 | 1997 |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 36                       | 32   | 38   | 39   | 2.5   | 1.8                 | 2.1  | 2.2    |        | 269    | 278                                  | 356  | 396  |      |
| 3529 Other chemical products                     |      | 56                       | 56   | 62   | 63   | 10.7  | 9.7                 | 6.3  | 5.7    |        | 1182   | 1577                                 | 1079 | 1062 |      |
| 353 Petroleum refineries                         |      | 5                        | 8    | 11   | 12   | 1.6   | 1.6                 | 1.4  | 1.8    |        | 205    | 282                                  | 316  | 399  |      |

|   |       |       |      |      |        |        |       |       |        |        |        |        |
|---|-------|-------|------|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 354 Misc petroleum and coal products            | 35    | 48    | 58   | 46   | 1 7    | 1 8    | 1 5   | 1 2   | 197    | 288    | 265    | 218    |
| 355 Rubber products                             | 83    | 79    | 75   | 73   | 9 0    | 7 2    | 6 4   | 6 0   | 833    | 1000   | 971    | 923    |
| 3551 Tyres and tubes                            | 37    | 20    |      |      | 1 9    | 1 6    |       |       | 177    | 220    |        |        |
| 3559 Other rubber products                      | 46    | 49    |      |      | 7 1    | 5 6    |       |       | 656    | 780    |        |        |
| 356 Plastic products                            | 273   | 282   | 279  | 262  | 12 6   | 12 8   | 12 3  | 11 8  | 1136   | 1723   | 1862   | 1917   |
| 361 Pottery, china, earthenware                 | 21    | 18    | 18   | 18   | 3 1    | 2 3    | 1 9   | 1 7   | 266    | 289    | 283    | 292    |
| 362 Glass and products                          | 42    | 45    | 47   | 43   | 4 2    | 4 6    | 4 6   | 4 0   | 395    | 639    | 703    | 632    |
| 369 Other non-metallic mineral products         | 328   | 319   | 333  | 321  | 14 4   | 15 5   | 15 6  | 13 1  | 1453   | 2329   | 2523   | 2306   |
| 3691 Structural clay products                   | 20    | 22    |      |      | 0 9    | 0 8    |       |       | 82     | 130    |        |        |
| 3692 Cement, lime and plaster                   | 12    | 10    |      |      | 1 2    | 1 2    |       |       | 126    | 196    |        |        |
| 3699 Other non-metallic mineral products        | 296   | 287   |      |      | 12 3   | 13 5   |       |       | 1246   | 2003   |        |        |
| 371 Iron and steel                              | 78    | 92    | 102  | 85   | 36 6   | 30 5   | 28 6  | 26 9  | 3910   | 4890   | 4850   | 4936   |
| 372 Non-ferrous metals                          | 82    | 84    | 88   | 80   | 11 9   | 9 6    | 9 1   | 8 3   | 117    | 1293   | 1441   | 1346   |
| 381 Fabricated metal products                   | 1547  | 1667  | 1641 | 1450 | 70 8   | 72 9   | 65 5  | 58 1  | 6777   | 10017  | 10073  | 9401   |
| 3811 Cutlery, hand tools and general hardware   | 139   | 126   |      |      | 9 4    | 9 9    |       |       | 941    | 1433   |        |        |
| 3812 Furniture and fixtures primarily of metal  | 82    | 83    |      |      | 3 6    | 3 7    |       |       | 302    | 468    |        |        |
| 3813 Structural metal products                  | 494   | 550   | 570  | 477  | 17 7   | 19 5   | 17 1  | 15 1  | 1752   | 2760   | 2784   | 2604   |
| 3819 Other fabricated metal products            | 832   | 908   |      |      | 40 1   | 39 8   |       |       | 3782   | 6356   |        |        |
| 382 Non-electrical machinery                    | 1189  | 1272  | 1423 | 1316 | 105 8  | 99 7   | 103 4 | 95 2  | 11021  | 15013  | 18179  | 17707  |
| 3821 Engines and turbines                       | 584d/ | 672d/ | 20   | 18   | 56 6d/ | 54 6d/ | 3 4   | 3 0   | 5896d/ | 8205d/ | 640    | 633    |
| 3822 Agricultural machinery and equipment       | 50    | 33    | 38   | 33   | 6 6    | 2 4    | 2 2   | 1 8   | 676    | 336    | 338    | 285    |
| 3823 Metal and wood working machinery           | 145   | 139   | 152  | 130  | 9 6    | 9 1    | 2 2   | 7 7   | 947    | 1383   | 1428   | 1389   |
| 3824 Other special industrial machinery         | 358   | 367   | 345  | 308  | 23 6   | 25 5   | 21 9  | 20 1  | 2498   | 3769   | 3730   | 3573   |
| 3825 Office, computing and accounting machinery | 52    | 61    | 70   | 70   | 9 4    | 8 1    | 7 9   | 8 3   | 1004   | 1330   | 1538   | 1694   |
| 3829 Other non-electrical machinery & equipment | a/    | a/    | 798  | 757  | a/     | a/     | 59 8  | 54 3  | a/     | a/     | 10604  | 10133  |
| 383 Electrical machinery                        | 412   | 437   | 529  | 493  | 72 0   | 55 0   | 62 7  | 58 5  | 7069   | 8042   | 10693  | 10617  |
| 3831 Electrical industrial machinery            | 88    | 97    | 115  | 101  | 14 4   | 9 5    | 10 4  | 9 3   | 1367   | 1293   | 1790   | 1701   |
| 3832 Radio, television and communication equipm | 89    | 111   | 171  | 158  | 37 4   | 24 6   | 32 9  | 30 5  | 3798   | 3830   | 5775   | 6629   |
| 3833 Electrical appliances and housewares       | 27    | 25    | 25   | 23   | 4 0    | 3 9    | 3 6   | 3 0   | 353    | 472    | 465    | 447    |
| 3839 Other electrical apparatus and supplies    | 208   | 204   | 218  | 211  | 16 2   | 17 0   | 15 8  | 15 6  | 1661   | 2447   | 2663   | 2841   |
| 384 Transport equipment                         | 489   | 437   | 463  | 435  | 113 5  | 107 6  | 102 9 | 96 4  | 11490  | 15880  | 17175  | 17367  |
| 3841 Shipbuilding and repairing                 | 81    | 64    | 70   | 63   | 13 5   | 5 3    | 6 2   | 5 9   | 1396   | 816    | 1070   | 1110   |
| 3842 Railroad equipment                         | 60    | 47    | 47   | 52   | 7 2    | 6 6    | 5 9   | 6 6   | 719    | 1029   | 990    | 1172   |
| 3843 Motor vehicles                             | 268   | 277   | 286  | 256  | 74 6   | 78 8   | 74 3  | 69 5  | 7376   | 11393  | 12209  | 12300  |
| 3844 Motorcycles and bicycles                   | 13    | 13    | 13   | 12   | 1 2    | 1 2    | 1 1   | 0 9   | 117    | 149    | 156    | 140    |
| 3845 Aircraft                                   | 34    | 17    | 28   | 34   | 15 9   | 14 9   | 14 7  | 12 7  | 1781   | 2390   | 2640   | 2540   |
| 3849 Other transport equipment                  | 33    | 19    | 19   | 18   | 1 1    | 0 8    | 0 8   | 0 7   | 101    | 103    | 110    | 106    |
| 385 Professional and scientific equipment       | 149   | 178   | 186  | 177  | 13 2   | 16 3   | 17 8  | 15 1  | 1448   | 2794   | 3201   | 2998   |
| 3851 Prof. and scientific equipment n e c       | 131e/ | 151e/ | 156  | 152  | 11 8e/ | 14 7e/ | 16 1  | 13 8  | 1280e/ | 2543e/ | 2913   | 2792   |
| 3852 Photographic and optical goods             | 18    | 27    | 27   | 22   | 1 6    | 1 6    | 1 5   | 1 1   | 168    | 251    | 258    | 178    |
| 3853 Watches and clocks                         | e/    | e/    | 3    | 3    | e/     | e/     | 0 2   | 0 2   | e/     | e/     | 31     | 28     |
| 390 Other manufacturing industries              | 100   | 80    | 82   | 78   | 3 9    | 2 9    | 3 0   | 2 9   | 359    | 380    | 446    | 432    |
| 3901 Jewellery and related articles             | 21    | 17    | 15   | 16   | 0 7    | 0 6    | 0 6   | 0 5   | 86     | 86     | 90     | 95     |
| 3902 Musical instruments                        | 10    | 6     |      |      | 0 1    | 0 1    |       |       | 11     | 7      |        |        |
| 3903 Sporting and athletic goods                | 20    | 16    |      |      | 0 9    | 0 7    |       |       | 86     | 96     |        |        |
| 3909 Manufacturing industries n e c             | 49    | 41    |      |      | 2 2    | 1 5    |       |       | 196    | 191    |        |        |
| 3 Total manufacturing                           | 9095  | 8957  | 9323 | 8681 | 767 9  | 719 1  | 717 8 | 659 8 | 77229  | 105949 | 118030 | 116098 |

a/ Number of persons engaged  
b/ 3511 includes 3517  
c/ 3851 includes 3853

b/ 3231 includes 3232  
d/ 3821 includes 3829

## Sweden

| ISIC Industry                                    | Note | Output in factor values<br>(million KRONOR) |         |       |       | Note | Value added in factor values<br>(million KRONOR) |        |       |       | Share of value added in output<br>(percentage) |      | Share of wages and salaries in value added<br>(percentage) |      |
|--|------|---|---------|-------|-------|------|--|--------|-------|-------|--|------|--|------|
|  |      | 1985  | 1990    | 1991  | 1992  |      | 1985   | 1990   | 1991  | 1992  | 1985   | 1992 | 1985   | 1992 |
| 311/2 Food Products                              |      | 64590                                       | 81220   | 95899 | 96466 |      | 18130  | 25150  | 18758 | 19713 | 28.1   | 20.4 | 31.1   | 46.6 |
| 3111 Slaughtering, preparing & preserving meat   |      | 19770                                       | 26850   |       |       |      | 4300   | 6160   |       |       | 21.8   |      | 34.8   |      |
| 3112 Dairy products                              |      | 13600                                       | 17440   |       |       |      | 3150   | 3870   |       |       | 23.2   |      | 30.0   |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 4250  | 5690    |       |       |      | 1870   | 2720   |       |       | 44.0   |      | 31.1   |      |
| 3114 Canning, preserving and processing of fish  |      | 1340  | 2070    |       |       |      | 530  | 870    |       |       | 39.8   |      | 34.7   |      |
| 3115 Vegetable and animal oils and fats          |      | 3500  | 3630    |       |       |      | 860  | 1110   |       |       | 24.6   |      | 23.6   |      |
| 3116 Grain mill products                         |      | 1690  | 2210    |       |       |      | 450  | 730    |       |       | 17.2   |      | 16.6   |      |
| 3117 Bakery products                             |      | 5480  | 7990    |       |       |      | 3040   | 4690   |       |       | 55.6   |      | 34.6   |      |
| 3118 Sugar factories and refineries              |      | 2110  | 2500    |       |       |      | 750  | 840    |       |       | 35.6   |      | 29.5   |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 2810  | 3430    |       |       |      | 1210   | 1560   |       |       | 43.1   |      | 37.5   |      |
| 3121 Other food products                         |      | 5350  | 4490    |       |       |      | 1450   | 1860   |       |       | 27.1   |      | 21.0   |      |
| 3122 Prepared animal feeds                       |      | 4690  | 4870    |       |       |      | 510  | 740    |       |       | 10.9   |      | 23.3   |      |
| 31. Beverages                                    |      | 4740  | 8540    | 10930 | 11472 |      | 2150   | 4400   | 3070  | 3132  | 45.4   | 27.3 | 22.3   | 28.1 |
| 3131 Distilling, rectifying and blending spirits |      | 1500  | 2450    |       |       |      | 440  | 990    |       |       | 29.3   |      | 21.8   |      |
| 3132 Wine industries                             |      |   |         |       |       |      |  |        |       |       |  |      |  |      |
| 3133 Malt liquors and malt                       |      | 2860  | 5680    |       |       |      | 1520   | 3200   |       |       | 53.1   |      | 22.0   |      |
| 3134 Soft drinks and carbonated waters           |      | 380   | 410     |       |       |      | 190  | 210    |       |       | 50.0   |      | 26.3   |      |
| 314 Tobacco                                      |      | 1480  | 2110    | 2699  | 2635  |      | 930  | 1520   | 1209  | 1392  | 62.8   | 52.8 | 14.6   | 13.0 |
| 32 Textiles                                      |      | 6920  | 7400    | 8270  | 7989  |      | 3250   | 3670   | 2852  | 2947  | 47.0   | 36.9 | 42.9   | 52.3 |
| 3211 Spinning, weaving and finishing textiles    |      | 2790  | 3000    |       |       |      | 1400   | 1760   |       |       | 50.2   |      | 41.1   |      |
| 3212 Made-up textile goods excl wearing apparel  |      | 1240  | 1700    |       |       |      | 480  | 710    |       |       | 38.7   |      | 48.7   |      |
| 32.3 Knitting mills                              |      | 1330  | 1330    | 1049  | 1014  |      | 670  | 530    | 375   | 406   | 50.4   | 40.0 | 45.4   | 57.1 |
| 3214 Carpets and rugs                            |      | 280   | 120     |       |       |      | 120  | 70     |       |       | 42.9   |      | 37.6   |      |
| 3215 Cordage, rope and twine                     |      | 60  | 70      |       |       |      | 20   | 30     |       |       | 33.3   |      | 65.0   |      |
| 3219 Other textiles                              |      | 1220  | 1180    |       |       |      | 560  | 470    |       |       | 45.9   |      | 39.6   |      |
| 322 Wearing apparel, except footwear             |      | 2510  | 2260    | 2373  | 2179  |      | 1350   | 1180   | 847   | 756   | 53.8   | 34.7 | 57.3   | 60.6 |
| 323 Leather and fur products                     |      | 910   | 660     | 565   | 613   |      | 340  | 310    | 211   | 222   | 37.4   | 36.2 | 39.7   | 50.9 |
| 3231 Tanneries and leather finishing             |      | 760a/                                       | 430a/   |       |       |      | 260a/  | 170a/  |       |       | 34.2   |      | 35.4   |      |
| 3232 Fur dressing and dyeing industries          |      | a/  | a/      |       |       |      | a/   | a/     |       |       |  |      |  |      |
| 3233 Leather prods excl wearing apparel          |      | 150   | 230     |       |       |      | 80   | 140    |       |       | 53.3   |      | 53.7   |      |
| 324 Footwear, except rubber or plastic           |      | 440   | 340     | 381   | 349   |      | 210  | 160    | 143   | 134   | 47.7   | 38.4 | 51.0   | 56.0 |
| 33 Wood products, except furniture               |      | 27490                                       | 45560   | 44742 | 40906 |      | 9930   | 18030  | 11789 | 10360 | 36.1   | 25.3 | 40.4   | 56.0 |
| 3311 Sawmills, planing and other wood mills      |      | 25810                                       | 43730   |       |       |      | 9170   | 17170  |       |       | 35.6   |      | 39.8   |      |
| 3312 Wooden and cane containers                  |      | 380   | 400     |       |       |      | 170  | 210    |       |       | 44.7   |      | 45.3   |      |
| 3319 Other wood and cork products                |      | 1300  | 1430    |       |       |      | 590  | 650    |       |       | 45.4   |      | 47.1   |      |
| 332 Furniture and fixtures, excl metal           |      | 5380  | 7190    | 7723  | 7119  |      | 2450   | 3260   | 2590  | 2409  | 45.5   | 33.8 | 41.4   | 56.7 |
| 341 Paper and products                           |      | 51190                                       | 69490   | 72831 | 69277 |      | 19190  | 26780  | 19282 | 17860 | 37.6   | 25.8 | 31.4   | 49.8 |
| 3411 Pulp, paper and paperboard articles         |      | 42640                                       | 57030   | 58089 | 55213 |      | 15530  | 21540  | 14792 | 13355 | 36.4   | 24.2 | 30.7   | 50.6 |
| 3412 Containers of paper and paperboard          |      | 4210  | 5610    |       |       |      | 1830   | 2450   |       |       | 43.5   |      | 38.8   |      |
| 3419 Other pulp, paper and paperboard articles   |      | 4340  | 6850    |       |       |      | 1830   | 2790   |       |       | 42.2   |      | 29.9   |      |
| 342 Printing and publishing                      |      | 19970                                       | 29560   | 41383 | 41021 |      | 13050  | 18590  | 15043 | 15618 | 65.3   | 38.1 | 38.3   | 56.5 |
| 35 Industrial chemicals                          |      | 19630                                       | 26030   | 30842 | 28902 |      | 7230   | 11740  | 8382  | 8121  | 36.8   | 28.1 | 27.4   | 41.3 |
| 3511 Basic chemicals excl fertilizers            |      | 11010b/                                     | 12940b/ | 13892 | 13552 |      | 4400b/   | 6570b/ | 4092  | 3935  | 40.0   | 29.0 | 26.7   | 38.8 |
| 3512 Fertilizers and pesticides                  |      | b/  | b/      | 1654  | 1338  |      | b/   | b/     | 282   | 275   |  |      | 20.6   | 52.7 |
| 3513 Synthetic resins and plastic materials      |      | 8620  | 13090   | 15296 | 14012 |      | 2830   | 5170   | 4009  | 3911  | 32.8   | 27.9 | 30.1   | 43.0 |
| 352 Other chemicals                              |      | 15910                                       | 23570   | 28439 | 29554 |      | 9390   | 15060  | 12085 | 13943 | 59.0   | 47.1 | 29.9   | 28.3 |
| 3521 Paints, varnishes and lacquers              |      | 2370  | 3510    | 4509  | 4166  |      | 970  | 1600   | 1263  | 1223  | 40.9   | 29.4 | 27.8   | 40.4 |
| 3522 Drugs and medicines                         |      | 5560  | 11330   | 14571 | 16169 |      | 4080   | 9070   | 8042  | 9754  | 73.4   | 60.3 | 26.9   | 20.6 |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 1750  | 1490    | 2728  | 2929  |      | 920  | 780    | 755   | 772   | 52.6   | 26.4 | 28.2   | 51.3 |
| 3529 Other chemical products                     |      | 6230  | 7240    | 6631  | 6310  |      | 3420   | 3610   | 2025  | 2194  | 54.9   | 34.8 | 34.6   | 48.4 |
| 353 Petroleum refineries                         |      | 29910                                       | 24670   | 22785 | 21419 |      | 3410   | 7840   | 5137  | 2067  | 11.4   | 9.7  | 6.0  | 19.3 |

|  |         |         |        |        |         |         |        |        |      |      |      |      |
|--|---------|---------|--------|--------|---------|---------|--------|--------|------|------|------|------|
| 354 Misc petroleum and coal products               | 3810    | 3670    | 3218   | 2732   | 1050    | 1290    | 905    | 782    | 27 6 | 28 6 | 18 8 | 27 9 |
| 355 Rubber products                                | 3920    | 4350    | 4451   | 4834   | 1940    | 2290    | 1577   | 1511   | 49 5 | 31 3 | 42 9 | 61 1 |
| 3551 Tyres and tubes                               | 950     | 1060    |        |        | 530     | 510     |        |        | 55 8 |      | 33 4 |      |
| 3559 Other rubber products                         | 2970    | 3290    |        |        | 1410    | 1780    |        |        | 47 5 |      | 46 5 |      |
| 356 Plastic products                               | 5910    | 8630    | 9858   | 9852   | 2870    | 4650    | 3555   | 3650   | 48 6 | 37 0 | 39 6 | 52 5 |
| 361 Pottery, china, earthenware                    | 890     | 1030    | 914    | 951    | 610     | 730     | 421    | 490    | 68 5 | 61 5 | 43 6 | 59 6 |
| 362 Glass and products                             | 1970    | 3020    | 2921   | 2825   | 1070    | 1740    | 1159   | 1015   | 54 3 | 35 9 | 36 9 | 62 3 |
| 369 Other non-metallic mineral products            | 7930    | 12680   | 16652  | 14480  | 4390    | 6680    | 6929   | 5210   | 55 4 | 36 0 | 33 1 | 44 2 |
| 3691 Structural clay products                      | 480     | 630     |        |        | 270     | 290     |        |        | 56 3 |      | 30 4 |      |
| 3692 Cement, lime and plaster                      | 1170    | 960     |        |        | 710     | 470     |        |        | 60 7 |      | 17 6 |      |
| 3699 Other non-metallic mineral products           | 6280    | 11090   |        |        | 3410    | 5920    |        |        | 54 3 |      | 36 5 |      |
| 371 Iron and steel                                 | 28930   | 37130   | 33264  | 31262  | 10200   | 12410   | 7748   | 7486   | 35 3 | 23 9 | 38 3 | 65 9 |
| 372 Non-ferrous metals                             | 11260   | 13260   | 15579  | 12244  | 2850    | 3790    | 2792   | 3055   | 25 3 | 25 0 | 41 1 | 44 0 |
| 381 Fabricated metal products                      | 33720   | 49730   | 51005  | 46702  | 17630   | 26330   | 19070  | 18031  | 52 3 | 38 6 | 38 4 | 52 1 |
| 3811 Cutlery, hand tools and general hardware      | 4530    | 6410    |        |        | 3200    | 4590    |        |        | 70 6 |      | 29 4 |      |
| 3812 Furniture and fixtures primarily of metal     | 1870    | 2520    |        |        | 770     | 1060    |        |        | 41 2 |      | 39 7 |      |
| 3813 Structural metal products                     | 8450    | 14660   | 14909  | 13318  | 4510    | 7490    | 5255   | 4959   | 53 4 | 37 2 | 38 8 | 60 5 |
| 3819 Other fabricated metal products               | 18870   | 26140   |        |        | 9150    | 13190   |        |        | 48 5 |      | 41 3 |      |
| 382 Non-electrical machinery                       | 54760   | 73900   | 93533  | 88609  | 27400   | 36850   | 31640  | 30549  | 50 0 | 34 5 | 40 2 | 58 0 |
| 3821 Engines and turbines                          | 27630c/ | 38100c/ | 2788   | 2621   | 13730c/ | 20050c/ | 1065   | 1080   | 49 7 | 41 2 | 42 9 | 58 6 |
| 3822 Agricultural machinery and equipment          | 3440    | 1830    | 1585   | 1398   | 1620    | 830     | 567    | 493    | 47 1 | 35 3 | 41 7 | 57 8 |
| 3823 Metal and wood working machinery              | 4350    | 5600    | 6981   | 6767   | 2540    | 2970    | 2521   | 2621   | 58 4 | 38 7 | 37 3 | 53 0 |
| 3824 Other special industrial machinery            | 12920   | 19620   | 19316  | 17994  | 6970    | 9890    | 6124   | 5815   | 53 9 | 32 3 | 35 8 | 61 4 |
| 3825 Office, computing and accounting machinery    | 6420    | 8750    | 9660   | 10029  | 2540    | 3110    | 2894   | 2961   | 39 5 | 29 5 | 39 5 | 57 2 |
| 3829 Other non-electrical machinery & equipment    | c/      | c/      | 53203  | 49800  | c/      | c/      | 18459  | 17579  |      | 35 3 |      | 57 6 |
| 383 Electrical machinery                           | 34000   | 43850   | 56631  | 57173  | 18340   | 23800   | 18186  | 18625  | 53 9 | 32 6 | 38 5 | 57 0 |
| 3831 Electrical industrial machinery               | 6100    | 5740    | 8571   | 8948   | 3370    | 2950    | 2623   | 2704   | 55 2 | 30 2 | 40 3 | 62 9 |
| 3832 Radio, television and communication equipment | 18290   | 23170   | 31519  | 32557  | 9970    | 13410   | 9639   | 10027  | 54 5 | 30 8 | 38 1 | 56 1 |
| 3833 Electrical appliances and housewares          | 1690    | 2640    | 2653   | 2388   | 810     | 1330    | 960    | 815    | 47 9 | 34 2 | 43 6 | 54 8 |
| 3839 Other electrical apparatus and supplies       | 7920    | 12300   | 13888  | 13281  | 4190    | 6110    | 4965   | 5079   | 52 9 | 38 2 | 37 3 | 55 9 |
| 384 Transport equipment                            | 73610   | 90740   | 109037 | 107460 | 27130   | 38230   | 27220  | 22662  | 36 9 | 21 1 | 42 4 | 76 6 |
| 3841 Shipbuilding and repairing                    | 6670    | 3350    | 5929   | 5781   | 3600    | 1750    | 1547   | 1517   | 54 0 | 26 2 | 38 8 | 73 2 |
| 3842 Railroad equipment                            | 2460    | 3650    | 4433   | 6102   | 1110    | 1420    | 1732   | 2035   | 45 1 | 33 3 | 64 8 | 57 6 |
| 3843 Motor vehicles                                | 56300   | 73230   | 86499  | 83476  | 17810   | 29490   | 19153  | 14432  | 31 6 | 17 3 | 41 4 | 85 2 |
| 3844 Motorcycles and bicycles                      | 600     | 690     | 854    | 731    | 290     | 350     | 286    | 224    | 48 3 | 30 6 | 40 3 | 62 5 |
| 3845 Aircraft                                      | 7150    | 9260    | 10694  | 10814  | 4110    | 4960    | 4296   | 4262   | 57 5 | 39 4 | 43 3 | 59 6 |
| 3849 Other transport equipment                     | 430     | 560     | 628    | 556    | 210     | 260     | 207    | 190    | 48 8 | 34 2 | 48 1 | 55 3 |
| 385 Professional and scientific equipment          | 5820    | 11300   | 14161  | 13628  | 3450    | 6900    | 5773   | 5622   | 59 3 | 41 3 | 42 0 | 53 3 |
| 3851 Prof and scientific equipment n e c           | 5270d/  | 10500d/ | 13011  | 12721  | 3070d/  | 6370d/  | 5255   | 5235   | 58 3 | 41 2 | 41 7 | 53 3 |
| 3852 Photographic and optical goods                | 550     | 800     | 1018   | 807    | 380     | 530     | 464    | 341    | 69 1 | 42 3 | 44 2 | 52 2 |
| 3853 Watches and clocks                            | d/      | d/      | 132    | 100    | d/      | d/      | 54     | 46     |      | 46 0 |      | 60 9 |
| 390 Other manufacturing industries                 | 1460    | 1560    | 2340   | 2128   | 740     | 930     | 895    | 870    | 50 7 | 38 5 | 48 5 | 52 7 |
| 3901 Jewelry and related articles                  | 270     | 405     | 576    | 505    | 110     | 250     | 268    | 219    | 40 7 | 43 4 | 60 0 | 43 4 |
| 3902 Musical instruments                           | 30      | 20      |        |        | 20      | 20      |        |        | 56 7 |      | 55 0 |      |
| 3903 Sporting and athletic goods                   | 340     | 360     |        |        | 190     | 220     |        |        | 55 9 |      | 45 3 |      |
| 3909 Manufacturing industries, n e c               | 820     | 780     |        |        | 420     | 440     |        |        | 51 2 |      | 46 7 |      |
| 3 Total manufacturing                              | 519060  | 683450  | 783395 | 754825 | 210680  | 304410  | 228268 | 218182 | 40 6 | 28 9 | 36 7 | 63 2 |

a/ 3231 includes 3232  
c/ 3821 includes 3829

b/ 3511 includes 3512  
d/ 3851 includes 3853

## Sweden

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|------|------|--|------|------|------|------|------|------|------|
|   |      | (million KRONOR)              |      |      |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990 | 1991 | 1992 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      | 2120                          |      |      |      | 104  | 105                                    | 104  | 103  | 105  | 107  | 107  | 104  | 103  |
| 313 Beverages                             |      | 322a/                         |      |      |      | 95   | 101                                    | 109  | 115  | 117  | 122  | 119  | 124  | 121  |
| 314 Tobacco                               |      | a/                            |      |      |      | 99   | 97                                     | 97   | 95   | 95   | 95   | 93   | 94   | 96   |
| 321 Textiles                              |      | 270                           |      |      |      | 95   | 96                                     | 94   | 94   | 92   | 88   | 97   | 99   | 93   |
| 322 Wearing apparel, except footwear      |      | 59                            |      |      |      | 78   | 74                                     | 70   | 70   | 63   | 54   | 41   | 36   | 35   |
| 323 Leather and fur products              |      | 25                            |      |      |      | 110  | 102                                    | 97   | 96   | 73   | 75   | 59   | 46   | 44   |
| 324 Footwear, except rubber or plastic    |      | 20                            |      |      |      | 58   | 54                                     | 55   | 53   | 43   | 35   | 30   | 32   | 29   |
| 331 Wood products, except furniture       |      | 1225                          |      |      |      | 98   | 93                                     | 95   | 97   | 101  | 107  | 109  | 101  | 90   |
| 332 Furniture and fixtures, excl metal    |      | 291                           |      |      |      | 85   | 86                                     | 86   | 90   | 89   | 88   | 87   | 80   | 76   |
| 341 Paper and products                    |      | 6057                          |      |      |      | 108  | 108                                    | 111  | 118  | 120  | 120  | 118  | 117  | 116  |
| 342 Printing and publishing               |      | 840                           |      |      |      | 109  | 110                                    | 111  | 118  | 114  | 116  | 113  | 102  | 87   |
| 351 Industrial chemicals                  |      | 1404                          |      |      |      | 112  | 111                                    | 109  | 117  | 122  | 122  | 115  | 112  | 106  |
| 352 Other chemicals                       |      | 1249                          |      |      |      | 113  | 115                                    | 110  | 127  | 139  | 136  | 135  | 149  | 157  |
| 353 Petroleum refineries                  |      | 259b/                         |      |      |      | 102  | 93                                     | 138  | 135  | 113  | 140  | 147  | 131  | 144  |
| 354 Misc petroleum and coal products      |      | b/                            |      |      |      | 135  | 130                                    | 121  | 116  | 104  | 106  | 133  | 75   | 92   |
| 355 Rubber products                       |      | 260                           |      |      |      | 103  | 108                                    | 102  | 102  | 99   | 87   | 79   | 65   | 76   |
| 356 Plastic products                      |      | 644                           |      |      |      | 109  | 111                                    | 114  | 119  | 127  | 121  | 122  | 116  | 121  |
| 361 Pottery, china, earthenware           |      | 56                            |      |      |      | 103  | 111                                    | 106  | 106  | 88   | 91   | 85   | 69   | 66   |
| 362 Glass and products                    |      | 111                           |      |      |      | 105  | 108                                    | 108  | 121  | 124  | 125  | 123  | 106  | 102  |
| 369 Other non-metallic mineral products   |      | 435                           |      |      |      | 82   | 81                                     | 80   | 85   | 87   | 93   | 92   | 81   | 64   |
| 371 Iron and steel                        |      | 1225                          |      |      |      | 109  | 110                                    | 103  | 105  | 116  | 117  | 103  | 101  | 103  |
| 372 Non-ferrous metals                    |      | 499                           |      |      |      | 104  | 102                                    | 101  | 103  | 102  | 101  | 105  | 91   | 85   |
| 381 Fabricated metal products             |      | 1746                          |      |      |      | 105  | 109                                    | 108  | 115  | 121  | 126  | 122  | 107  | 103  |
| 382 Non-electrical machinery              |      | 2977                          |      |      |      | 108  | 116                                    | 113  | 111  | 114  | 123  | 125  | 107  | 97   |
| 383 Electrical machinery                  |      | 1952                          |      |      |      | 124  | 133                                    | 135  | 144  | 160  | 173  | 186  | 189  | 186  |
| 354 Transport equipment                   |      | 4006                          |      |      |      | 111  | 117                                    | 118  | 114  | 111  | 108  | 109  | 101  | 96   |
| 385 Professional and scientific equipment |      | 231                           |      |      |      | 109  | 137                                    | 137  | 138  | 140  | 192  | 241  | 224  | 227  |
| 390 Other manufacturing industries        |      | 188                           |      |      |      | 82   | 86                                     | 84   | 86   | 91   | 76   | 74   | 73   | 79   |
| 3 Total manufacturing                     |      | 28471                         |      |      |      | 106  | 109                                    | 109  | 113  | 116  | 119  | 119  | 112  | 108  |

a/ 313 includes 314

b/ 353 includes 354



## SWITZERLAND

**Supplier of information:**

Office fédéral de la statistique (OFS), Berne.

Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

**Basic source of data:**

Annual survey of manufacturing.

**Major deviations from current version of ISIC:**

Data have been converted from the national classification system to the current version of the ISIC. However, the following should be noted: (a) ISIC 3213 (knitting mills) is included in ISIC 322-324 (wearing apparel, leather and footwear) combined; (b) ISIC 33 (wood products and furniture) includes ISIC 39 (other manufacturing) except ISIC 3901 (jewellery); (c) ISIC 36 (non-metallic mineral products) includes ISIC 2 (mining and quarrying); (d) ISIC 37 (basic metal industries) includes ISIC 3813 (structural metal products); (e) ISIC 382 (non-electrical machinery) includes ISIC 384 (transport equipment) and ISIC 3851 (professional equipment); (f) ISIC 383 (electrical machinery) includes ISIC 3852 (photographic and optical goods); (g) ISIC 3853 (watches and clocks) includes ISIC 3901 (jewellery).

**Reference period (if not calendar year):****Scope:**

All establishments.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of persons engaged refers to the average number throughout the year. It includes working proprietors, active business partners, unpaid family workers, salaried employees, wage-earners, and full- and part-time employees.

Output is production measured in producers' prices. It refers to the value of all products.

Value added, also in producers' prices, uses the national accounting concept of value added.

**Related national publications:**

(i) H.G. Graf, F. Kneschaurek, Y. Wang, *Vorleistungen, Wertschöpfung und Produktivität in Industrie- und Dienstleistungsbranchen der Schweiz*, 1989; (ii) H.G. Graf, *Das St. Galler Branchenmodell: Stand der Revisionsarbeiten*, in: *Mitteilungen des SGZZ*, Ziff. 2.3, Nr. 27, 1990.

Switzerland

| ISIC Industry                             | Note | Number of establishments<br>(numbers) |      |      |      | Note | Number of persons engaged<br>(thousands) |         |         |      | Note | Wages and salaries paid to employees<br>(thousand FRANCS) |      |      |      |
|---|------|---------------------------------------|------|------|------|------|--|---------|---------|------|------|---|------|------|------|
|   |      | 1985                                  | 1990 | 1991 | 1992 |      | 1985                                     | 1990    | 1991    | 1992 |      | 1985  | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      |                                       |      |      |      |      | 74 8a/                                   | 74 7a/  | 72 7a/  |      |      |   |      |      |      |
| 313 Beverages                             |      |                                       |      |      |      |      | a/                                       | a/      | a/      |      |      |   |      |      |      |
| 314 Tobacco                               |      |                                       |      |      |      |      | a/                                       | a/      | a/      |      |      |   |      |      |      |
| 321 Textiles                              |      |                                       |      |      |      |      | 32 1                                     | 30 6    | 28 9    |      |      |   |      |      |      |
| 322 Wearing apparel, except footwear      | b/   |                                       |      |      |      |      | 27 0c/                                   | 26 5c/  | 24 4c/  |      |      |   |      |      |      |
| 323 Leather and fur products              |      |                                       |      |      |      |      | c/                                       | c/      | c/      |      |      |   |      |      |      |
| 324 Footwear, except rubber or plastic    |      |                                       |      |      |      |      | c/                                       | c/      | c/      |      |      |   |      |      |      |
| 331 Wood products, except furniture       |      |                                       |      |      |      |      | 90 9e/                                   | 89 7e/  | 84 5e/  |      |      |   |      |      |      |
| 332 Furniture and fixtures, excl metal    | d/   |                                       |      |      |      |      | e/                                       | e/      | e/      |      |      |   |      |      |      |
| 341 Paper and products                    |      |                                       |      |      |      |      | 17 2                                     | 17 2    | 16 5    |      |      |   |      |      |      |
| 342 Printing and publishing               |      |                                       |      |      |      |      | 66 9                                     | 62 5    | 62 5    |      |      |   |      |      |      |
| 351 Industrial chemicals                  |      |                                       |      |      |      |      | 75 3f/                                   | 74 2f/  | 72 6f/  |      |      |   |      |      |      |
| 352 Other chemicals                       |      |                                       |      |      |      |      | f/                                       | f/      | f/      |      |      |   |      |      |      |
| 353 Petroleum refineries                  |      |                                       |      |      |      |      | f/                                       | f/      | f/      |      |      |   |      |      |      |
| 354 Misc petroleum and coal products      |      |                                       |      |      |      |      | f/                                       | f/      | f/      |      |      |   |      |      |      |
| 355 Rubber products                       |      |                                       |      |      |      |      | 31 5g/                                   | 31 1g/  | 29 3g/  |      |      |   |      |      |      |
| 356 Plastic products                      |      |                                       |      |      |      |      | g/                                       | g/      | g/      |      |      |   |      |      |      |
| 361 Pottery, china, earthenware           |      |                                       |      |      |      |      | 33 5i/                                   | 32 7i/  | 31 0i/  |      |      |   |      |      |      |
| 362 Glass and products                    | h/   |                                       |      |      |      |      | i/                                       | i/      | i/      |      |      |   |      |      |      |
| 369 Other non-metallic mineral products   |      |                                       |      |      |      |      | i/                                       | i/      | i/      |      |      |   |      |      |      |
| 371 Iron and steel                        |      |                                       |      |      |      |      | 105 4j/                                  | 104 6j/ | 100 0j/ |      |      |   |      |      |      |
| 372 Non-ferrous metals                    |      |                                       |      |      |      |      | j/                                       | j/      | j/      |      |      |   |      |      |      |
| 381 Fabricated metal products             |      |                                       |      |      |      |      | j/                                       | j/      | j/      |      |      |   |      |      |      |
| 382 Non-electrical machinery              | k/   |                                       |      |      |      |      | 157 2m/                                  | 156 8m/ | 155 2m/ |      |      |   |      |      |      |
| 383 Electrical machinery                  | n/   |                                       |      |      |      |      | 131 3                                    | 127 3   | 119 8   |      |      |   |      |      |      |
| 384 Transport equipment                   |      |                                       |      |      |      |      | m/                                       | m/      | m/      |      |      |   |      |      |      |
| 385 Professional and scientific equipment | p/   |                                       |      |      |      |      | 37 4                                     | 36 7    | 36 2    |      |      |   |      |      |      |
| 390 Other manufacturing industries        |      |                                       |      |      |      |      | e/                                       | e/      | e/      |      |      |   |      |      |      |
| 3 Total manufacturing                     |      |                                       |      |      |      |      | 880 5                                    | 868 6   | 835 6   |      |      |   |      |      |      |

i/ 311/2 includes 313 and 314

c/ 322 includes 323 and 324

e/ 331 includes 332 and 390

g/ 355 includes 356

i/ 361 includes 362 and 369

k/ including professional and scientific equipment (ISIC 3851)

n/ including photographic and optical goods (ISIC 3852)

b/ Including knitting mills (ISIC 3213)

d/ Excluding jewellery (ISIC 3901)

f/ 351 includes 352, 353 and 354

h/ Including mining and quarrying (ISIC 2)

j/ 371 includes 372 and 381

m/ 382 includes 384

p/ 385 refers to watches and clocks (ISIC 3853) and jewellery (ISIC 3901)

## Switzerland

| ISIC Industry                             | Note | Output in producers' prices |         |         |         | Note | Value added in producers' prices |         |         |         | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-----------------------------|---------|---------|---------|------|----------------------------------|---------|---------|---------|--------------------------------|------|--|------|
|   |      | (million FRANCS)            |         |         |         |      | (million FRANCS)                 |         |         |         | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                        | 1990    | 1991    | 1992    |      | 1985                             | 1990    | 1991    | 1992    | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       |      |                             | 26182a/ | 26444a/ | 26968a/ |      |                                  | 7076a/  | 7354a/  | 7551a/  |                                |      | 28.0                                       |      |
| 313 Beverages                             |      |                             | a/      | a/      | a/      |      |                                  | a/      | a/      | a/      |                                |      |  |      |
| 314 Tobacco                               |      |                             | a/      | a/      | a/      |      |                                  | a/      | a/      | a/      |                                |      |  |      |
| 321 Textiles                              |      |                             | 4742    | 4205    | 4118    |      |                                  | 1959    | 1710    | 1668    |                                |      | 40.5                                       |      |
| 322 Wearing apparel, except footwear      | b/   |                             | 2266c/  | 2490c/  | 2459c/  | b/   |                                  | 903c/   | 1018c/  | 1006c/  |                                |      | 40.9                                       |      |
| 323 Leather and fur products              |      |                             | c/      | c/      | c/      |      |                                  | c/      | c/      | c/      |                                |      |  |      |
| 324 Footwear, except rubber or plastic    |      |                             | c/      | c/      | c/      |      |                                  | c/      | c/      | c/      |                                |      |  |      |
| 331 Wood products, except furniture       | d/   |                             | 14105e/ | 13656e/ | 13888e/ | d/   |                                  | 5871e/  | 5923e/  | 6041e/  |                                |      | 43.5                                       |      |
| 332 Furniture and fixtures, excl. metal   |      |                             | e/      | e/      | e/      |      |                                  | e/      | e/      | e/      |                                |      |  |      |
| 341 Paper and products                    |      |                             | 4310    | 3966    | 4052    |      |                                  | 1502    | 1498    | 1519    |                                |      | 37.5                                       |      |
| 342 Printing and publishing               |      |                             | 11145   | 10833   | 11114   |      |                                  | 5408    | 5285    | 5435    |                                |      | 48.9                                       |      |
| 351 Industrial chemicals                  |      |                             | 27324f/ | 27643f/ | 29750f/ |      |                                  | 9678f/  | 9594f/  | 10427f/ |                                |      | 35.6                                       |      |
| 352 Other chemicals                       |      |                             | f/      | f/      | f/      |      |                                  | f/      | f/      | f/      |                                |      |  |      |
| 353 Petroleum refineries                  |      |                             | f/      | f/      | f/      |      |                                  | f/      | f/      | f/      |                                |      |  |      |
| 354 Misc. petroleum and coal products     |      |                             | f/      | f/      | f/      |      |                                  | f/      | f/      | f/      |                                |      |  |      |
| 355 Rubber products                       |      |                             | 5824g/  | 5479g/  | 5430g/  |      |                                  | 232g/   | 2292g/  | 2280g/  |                                |      | 42.0                                       |      |
| 356 Plastic products                      |      |                             | g/      | g/      | g/      |      |                                  | g/      | g/      | g/      |                                |      |  |      |
| 361 Pottery, china, earthenware           | h/   |                             | 7452i/  | 7425i/  | 7338i/  | h/   |                                  | 3328i/  | 3405i/  | 3375i/  |                                |      | 46.0                                       |      |
| 362 Glass and products                    |      |                             | i/      | i/      | i/      |      |                                  | i/      | i/      | i/      |                                |      |  |      |
| 369 Other non-metallic mineral products   |      |                             | i/      | i/      | i/      |      |                                  | i/      | i/      | i/      |                                |      |  |      |
| 371 Iron and steel                        |      |                             | 22432j/ | 19716j/ | 20136j/ |      |                                  | 8129j/  | 7557j/  | 7752j/  |                                |      | 38.5                                       |      |
| 372 Non-ferrous metals                    |      |                             | j/      | j/      | j/      |      |                                  | j/      | j/      | j/      |                                |      |  |      |
| 381 Fabricated metal products             |      |                             | j/      | j/      | j/      |      |                                  | j/      | j/      | j/      |                                |      |  |      |
| 382 Non-electrical machinery              | k/   |                             | 30981m/ | 29564m/ | 29411m/ | k/   |                                  | 12997m/ | 12971m/ | 13235m/ |                                |      | 45.0                                       |      |
| 383 Electrical machinery                  | n/   |                             | 29343   | 28341   | 27329   | n/   |                                  | 11790   | 11064   | 10658   |                                |      | 39.0                                       |      |
| 384 Transport equipment                   |      |                             | m/      | m/      | m/      |      |                                  | m/      | m/      | m/      |                                |      |  |      |
| 385 Professional and scientific equipment | p/   |                             | 10033   | 10190   | 11038   | p/   |                                  | 3398    | 3567    | 3863    |                                |      | 35.0                                       |      |
| 390 Other manufacturing industries        |      |                             | e/      | e/      | e/      |      |                                  | e/      | e/      | e/      |                                |      |  |      |
| 3 Total manufacturing                     |      |                             | 196179  | 189956  | 193031  |      |                                  | 74391   | 73238   | 74810   |                                |      | 38.8                                       |      |

a/ 311/2 includes 313 and 314

c/ 322 includes 323 and 324

e/ 331 includes 332 and 390

g/ 355 includes 356

i/ 361 includes 362 and 369

k/ Including professional and scientific equipment (ISIC 3851)

n/ Including photographic and optical goods (ISIC 3852)

b/ Including knitting mills (ISIC 3213)

d/ Excluding jewellery (ISIC 3901)

f/ 351 includes 352, 353 and 354

h/ Including mining and quarrying (ISIC 33)

j/ 371 includes 372 and 381

m/ 382 includes 384

p/ 385 refers to watches and clocks (ISIC 3853) and jewellery (ISIC 3901)

Switzerland

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|------|------|--|------|------|------|------|------|------|------|
|   |      | (million FRANCS)              |      |      |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990 | 1991 | 1992 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                               |      |      |      | 101  | 101                                    | 102  | 104  | 106  | 109  | 111  | 113  | 113  |
| 313 Beverages                             |      |                               |      |      | a/   |      |  |      |      |      |      |      |      |      |
| 314 Tobacco                               |      |                               |      |      | a/   |      |  |      |      |      |      |      |      |      |
| 321 Textiles                              |      |                               |      |      |      | 102  | 105                                    | 107  | 105  | 106  | 104  | 99   | 96   | 94   |
| 322 Wearing apparel, except footwear      |      |                               |      |      |      | 88   | 86                                     | 89   | 82   | 75   | 72   | 74   | 76   | 67   |
| 323 Leather and fur products              |      |                               |      |      | b/   | 99   | 106                                    | 108  | 110  | 121  | 125  | 133  | 122  | 117  |
| 324 Footwear, except rubber or plastic    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      |                               |      |      |      | 95   | 95                                     | 102  | 103  | 105  | 111  | 119  | 114  | 113  |
| 332 Furniture and fixtures, excl metal    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      |                               |      |      |      | 102  | 105                                    | 113  | 118  | 122  | 126  | 127  | 125  | 128  |
| 342 Printing and publishing               |      |                               |      |      |      | 123  | 136                                    | 144  | 152  | 159  | 159  | 161  | 158  | 154  |
| 351 Industrial chemicals                  |      |                               |      |      | c/   | 115  | 123                                    | 125  | 129  | 146  | 169  | 171  | 173  | 179  |
| 352 Other chemicals                       |      |                               |      |      | c/   |      |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 354 Misc. petroleum and coal products     |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      |                               |      |      | b/   | 99   | 106                                    | 108  | 110  | 121  | 125  | 133  | 122  | 117  |
| 356 Plastic products                      |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      |                               |      |      | d/   | 94   | 94                                     | 87   | 89   | 91   | 93   | 91   | 80   | 75   |
| 362 Glass and products                    |      |                               |      |      | d/   |      |  |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      |                               |      |      | d/   |      |  |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      |                               |      |      | e/   | 98   | 101                                    | 103  | 105  | 115  | 117  | 117  | 110  | 110  |
| 372 Non-ferrous metals                    |      |                               |      |      | e/   |      |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      |                               |      |      | f/   | 88   | 94                                     | 99   | 99   | 106  | 106  | 114  | 121  | 116  |
| 382 Non-electrical machinery              |      |                               |      |      | f/   |      |  |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      |                               |      |      | f/   |      |  |      |      |      |      |      |      |      |
| 384 Transport equipment                   |      |                               |      |      | f/   |      |  |      |      |      |      |      |      |      |
| 385 Professional and scientific equipment |      |                               |      |      | g/   | 62   | 72                                     | 80   | 75   | 76   | 80   | 79   | 75   | 87   |
| 390 Other manufacturing industries        |      |                               |      |      | g/   |      |  |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      |                               |      |      |      | 95   | 100                                    | 104  | 105  | 111  | 114  | 118  | 119  | 118  |

a/ 311/2 includes 313 and 314

c/ 351 includes 352

e/ 371 includes 372

g/ 385 includes 390

b/ 323 includes 355

d/ 361 includes 362 and 369

f/ 381 includes 382, 383 and 384

## SYRIAN ARAB REPUBLIC

**Supplier of information:**

Central Bureau of Statistics, Office of the Prime Minister, Damascus.

**Basic source of data:**

Annual survey of industrial establishments.

**Major deviations from current version of ISIC:**

Manufacturing estimates include repair services for the general public (part of ISIC major division 9).

**Reference period (if not calendar year):****Scope:**

The data cover all establishments in the public sector and establishments with 10 or more persons engaged in the private sector. However, the directory of establishments used in the annual industrial survey has not been brought up to date and consequently does not strictly reflect the situation of existing establishments.

**Method of enumeration:**

Individual site visits by enumerators

Establishments with 10 or more persons engaged are completely enumerated, while those with fewer than 10 persons engaged are covered on a sample basis.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Value added refers to the net domestic product.

**Related national publications:**

Statistical Abstract (annual), published by the Central Bureau of Statistics, Office of the Prime Minister, Damascus.

## Syrian Arab Republic

| ISIC Industry                             | Number of establishments |           |      |      | Number of persons engaged |        |             |        | Wages and salaries paid to employees |        |      |                  |        |        |        |
|---|--------------------------|-----------|------|------|---------------------------|--------|-------------|--------|--------------------------------------|--------|------|------------------|--------|--------|--------|
|   | Note                     | (numbers) |      |      |                           | Note   | (thousands) |        |                                      |        | Note | (million POUNDS) |        |        |        |
|   |                          | 1985      | 1990 | 1991 | 1992                      |        | 1985        | 1990a/ | 1991a/                               | 1992a/ |      | 1985a/           | 1990a/ | 1991a/ | 1992a/ |
| 311/2 Food Products                       |                          | ...       | ...  | ...  | ...                       | 32.8b/ | 34.3b/      | 34.3b/ | b/                                   | 682    | 1517 | 1552             | 2090   |        |        |
| 313 Beverages                             |                          | ...       | ...  | ...  |                           | ...b/  | ...b/       | ...b/  | b/                                   | ...    | ...  | ...              | ...    |        |        |
| 314 Tobacco                               |                          | ...       | ...  | ...  |                           | ...b/  | ...b/       | ...b/  | b/                                   | ...    | ...  | ...              | ...    |        |        |
| 321 Textiles                              |                          | ...       | ...  | ...  |                           | 32.4c/ | 32.9c/      | 32.5c/ | c/                                   | 687    | 1468 | 1577             | 1978   |        |        |
| 322 Wearing apparel, except footwear      |                          | ...       | ...  | ...  |                           | ...c/  | ...c/       | ...c/  | c/                                   | ...    | ...  | ...              | ...    |        |        |
| 323 Leather and fur products              |                          | ...       | ...  | ...  |                           | ...c/  | ...c/       | ...c/  | c/                                   | ...    | ...  | ...              | ...    |        |        |
| 324 Footwear, except rubber or plastic    |                          | ...       | ...  | ...  |                           | ...c/  | ...c/       | ...c/  | c/                                   | ...    | ...  | ...              | ...    |        |        |
| 331 Wood products, except furniture       |                          | ...       | ...  | ...  |                           | 0.9d/  | 0.9d/       | 0.9d/  | d/                                   | 25     | 41   | 43               | 56     |        |        |
| 332 Furniture and fixtures, excl metal    |                          | ...       | ...  | ...  |                           | ...d/  | ...d/       | ...d/  | d/                                   | ...    | ...  | ...              | ...    |        |        |
| 341 Paper and products                    |                          | ...       | ...  | ...  |                           | 0.8e/  | 0.9e/       | 0.8e/  | e/                                   | 24     | 34   | 35               | 47     |        |        |
| 342 Printing and publishing               |                          | ...       | ...  | ...  |                           | ...e/  | ...e/       | ...e/  | e/                                   | ...    | ...  | ...              | ...    |        |        |
| 351 Industrial chemicals                  |                          | ...       | ...  | ...  |                           | 13.3f/ | 13.5f/      | 13.6f/ | f/                                   | 402    | 823  | 897              | 1129   |        |        |
| 352 Other chemicals                       |                          | ...       | ...  | ...  |                           | ...f/  | ...f/       | ...f/  | f/                                   | ...    | ...  | ...              | ...    |        |        |
| 353 Petroleum refineries                  |                          | ...       | ...  | ...  |                           | ...f/  | ...f/       | ...f/  | f/                                   | ...    | ...  | ...              | ...    |        |        |
| 354 Misc petroleum and coal products      |                          | ...       | ...  | ...  |                           | ...f/  | ...f/       | ...f/  | f/                                   | ...    | ...  | ...              | ...    |        |        |
| 355 Rubber products                       |                          | ...       | ...  | ...  |                           | ...f/  | ...f/       | ...f/  | f/                                   | ...    | ...  | ...              | ...    |        |        |
| 356 Plastic products                      |                          | ...       | ...  | ...  |                           | ...f/  | ...f/       | ...f/  | f/                                   | ...    | ...  | ...              | ...    |        |        |
| 361 Pottery, china, earthenware           |                          | ...       | ...  | ...  |                           | 12.7g/ | 12.8g/      | 12.9g/ | g/                                   | 288    | 727  | 758              | 1016   |        |        |
| 362 Glass and products                    |                          | ...       | ...  | ...  |                           | ...g/  | ...g/       | ...g/  | g/                                   | ...    | ...  | ...              | ...    |        |        |
| 369 Other non-metallic mineral products   |                          | ...       | ...  | ...  |                           | ...g/  | ...g/       | ...g/  | g/                                   | ...    | ...  | ...              | ...    |        |        |
| 371 Iron and steel                        |                          | ...       | ...  | ...  |                           | 1.8h/  | 1.9h/       | 1.9h/  | h/                                   | 60     | 163  | 121              | 163    |        |        |
| 372 Non-ferrous metals                    |                          | ...       | ...  | ...  |                           | ...h/  | ...h/       | ...h/  | h/                                   | ...    | ...  | ...              | ...    |        |        |
| 381 Fabricated metal products             |                          | ...       | ...  | ...  |                           | 5.6i/  | 5.6i/       | 5.7i/  | i/                                   | 138    | 272  | 286              | 355    |        |        |
| 382 Non-electrical machinery              |                          | ...       | ...  | ...  |                           | ...i/  | ...i/       | ...i/  | i/                                   | ...    | ...  | ...              | ...    |        |        |
| 383 Electrical machinery                  |                          | ...       | ...  | ...  |                           | ...i/  | ...i/       | ...i/  | i/                                   | ...    | ...  | ...              | ...    |        |        |
| 384 Transport equipment                   |                          | ...       | ...  | ...  |                           | ...i/  | ...i/       | ...i/  | i/                                   | ...    | ...  | ...              | ...    |        |        |
| 385 Professional and scientific equipment |                          | ...       | ...  | ...  |                           | ...    | ...         | ...    | i/                                   | ...    | ...  | ...              | ...    |        |        |
| 390 Other manufacturing industries        |                          | ...       | ...  | ...  |                           | -      | -           | -      |                                      | -      | -    | -                | -      |        |        |
| 3 Total manufacturing                     |                          | ...       | ...  | ...  | j/                        | 100.3  | 102.8       | 102.6  | j/                                   | 2306   | 5045 | 5380             | 6835   |        |        |

a/ Public sector only.  
 c/ 321 includes 322, 323 and 324.  
 e/ 341 includes 342.  
 g/ 361 includes 362 and 369.  
 i/ 381 includes 382, 383 and 384.

b/ 311/2 includes 313 and 314.  
 d/ 331 includes 332.  
 f/ 351 includes 352, 353, 354, 355 and 356.  
 h/ 371 includes 372.  
 j/ including repair services.

## Syrian Arab Republic

| ISIC Industry                             | Output in factor values |                  |         |         |      | Value added in factor values |                  |        |        |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|-------------------------|------------------|---------|---------|------|------------------------------|------------------|--------|--------|------|--------------------------------|------|--|------|
|   | NOTE                    | (million POUNDS) |         |         |      | NOTE                         | (million POUNDS) |        |        |      | (percentage)                   |      | (percentage)                               |      |
|   |                         | 1985             | 1990    | 1991    | 1992 |                              | 1985             | 1990   | 1991   | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       |                         | 5509a/           | 28501a/ | 29399a/ | ...  |                              | 48a/             | 6837a/ | 5324a/ | ...  | 0.9                            | ...  | ...  | ...  |
| 313 Beverages                             |                         | a/               | a/      | a/      | ...  |                              | a/               | a/     | a/     | ...  | ...                            | ...  | ...  | ...  |
| 314 Tobacco                               |                         | a/               | a/      | a/      | ...  |                              | a/               | a/     | a/     | ...  | ...                            | ...  | ...  | ...  |
| 321 Textiles                              |                         | 5505b/           | 24008b/ | 29277b/ | ...  |                              | 1108b/           | 5641b/ | 6183b/ | ...  | 20.1                           | ...  | 62.0                                       | ...  |
| 322 Wearing apparel, except footwear      |                         | b/               | b/      | b/      | ...  |                              | b/               | b/     | b/     | ...  | ...                            | ...  | ...  | ...  |
| 323 Leather and fur products              |                         | b/               | b/      | b/      | ...  |                              | b/               | b/     | b/     | ...  | ...                            | ...  | ...  | ...  |
| 324 Footwear, except rubber or plastic    |                         | b/               | b/      | b/      | ...  |                              | b/               | b/     | b/     | ...  | ...                            | ...  | ...  | ...  |
| 331 Wood products, except furniture       |                         | 1281c/           | 2741c/  | 3343c/  | ...  |                              | 510c/            | 854c/  | 993c/  | ...  | 39.8                           | ...  | 4.9  | ...  |
| 332 Furniture and fixtures, excl. metal   |                         | c/               | c/      | c/      | ...  |                              | c/               | c/     | c/     | ...  | ...                            | ...  | ...  | ...  |
| 341 Paper and products                    |                         | 502d/            | 1134d/  | 661d/   | ...  |                              | 126d/            | 292d/  | 166d/  | ...  | 25.1                           | ...  | 19.0                                       | ...  |
| 342 Printing and publishing               |                         | d/               | d/      | d/      | ...  |                              | d/               | d/     | d/     | ...  | ...                            | ...  | ...  | ...  |
| 351 Industrial chemicals                  |                         | 12754e/          | 29409e/ | 27187e/ | ...  |                              | 1194e/           | 1832e/ | 3815e/ | ...  | 9.4                            | ...  | 33.7                                       | ...  |
| 352 Other chemicals                       |                         | e/               | e/      | e/      | ...  |                              | e/               | e/     | e/     | ...  | ...                            | ...  | ...  | ...  |
| 353 Petroleum refineries                  |                         | e/               | e/      | e/      | ...  |                              | e/               | e/     | e/     | ...  | ...                            | ...  | ...  | ...  |
| 354 Misc. petroleum and coal products     |                         | e/               | e/      | e/      | ...  |                              | e/               | e/     | e/     | ...  | ...                            | ...  | ...  | ...  |
| 355 Rubber products                       |                         | e/               | e/      | e/      | ...  |                              | e/               | e/     | e/     | ...  | ...                            | ...  | ...  | ...  |
| 356 Plastic products                      |                         | e/               | e/      | e/      | ...  |                              | e/               | e/     | e/     | ...  | ...                            | ...  | ...  | ...  |
| 361 Pottery, china, earthenware           |                         | 2409f/           | 4594f/  | 6331f/  | ...  |                              | 908f/            | 1476f/ | 1917f/ | ...  | 37.7                           | ...  | 31.7                                       | ...  |
| 362 Glass and products                    |                         | f/               | f/      | f/      | ...  |                              | f/               | f/     | f/     | ...  | ...                            | ...  | ...  | ...  |
| 369 Other non-metallic mineral products   |                         | f/               | f/      | f/      | ...  |                              | f/               | f/     | f/     | ...  | ...                            | ...  | ...  | ...  |
| 371 Iron and steel                        |                         | 460g/            | 1930g/  | 2271g/  | ...  |                              | 146g/            | 229g/  | 347g/  | ...  | 31.7                           | ...  | 41.1                                       | ...  |
| 372 Non-ferrous metals                    |                         | g/               | g/      | g/      | ...  |                              | g/               | g/     | g/     | ...  | ...                            | ...  | ...  | ...  |
| 381 Fabricated metal products             |                         | 2382h/           | 7918h/  | 8978h/  | ...  |                              | 1140h/           | 2345h/ | 2557h/ | ...  | 47.9                           | ...  | 12.1                                       | ...  |
| 382 Non-electrical machinery              |                         | h/               | h/      | h/      | ...  |                              | h/               | h/     | h/     | ...  | ...                            | ...  | ...  | ...  |
| 383 Electrical machinery                  |                         | h/               | h/      | h/      | ...  |                              | h/               | h/     | h/     | ...  | ...                            | ...  | ...  | ...  |
| 384 Transport equipment                   |                         | h/               | h/      | h/      | ...  |                              | h/               | h/     | h/     | ...  | ...                            | ...  | ...  | ...  |
| 385 Professional and scientific equipment |                         | h/               | h/      | h/      | ...  |                              | h/               | h/     | h/     | ...  | ...                            | ...  | ...  | ...  |
| 390 Other manufacturing industries        |                         | 421              | 429     | 385     | ...  |                              | 119              | 54     | 43     | ...  | 28.3                           | ...  | ...  | ...  |
| 3 Total manufacturing                     | 1/                      | 31223            | 100664  | 107832  | ...  | 1/                           | 5299             | 19560  | 21345  | ...  | 17.0                           | ...  | 43.5                                       | ...  |

a/ 311/2 includes 313 and 314

c/ 331 includes 332

e/ 351 includes 352, 353, 354, 355 and 356.

g/ 371 includes 372.

1/ Including repair services

b/ 321 includes 322, 323 and 324

d/ 341 includes 342.

f/ 361 includes 362 and 369.

h/ 381 includes 382, 383 and 384.

Syrian Arab Republic

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|------|------|--|------|------|------|------|------|------|------|
|   |      | (thousand POUNDS)             |      |      |      |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990 | 1991 | 1992 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                               |      |      |      | a/   | 175                                    | 167  | 173  | 178  | 167  |      |      |      |
| 313 Beverages                             |      |                               |      |      |      | a/   |  |      |      |      |      |      |      |      |
| 314 Tobacco                               |      |                               |      |      |      | a/   |  |      |      |      |      |      |      |      |
| 321 Textiles                              |      |                               |      |      |      | b/   | 141                                    | 118  | 133  | 118  | 92   |      |      |      |
| 322 Wearing apparel, except footwear      |      |                               |      |      |      | b/   |  |      |      |      |      |      |      |      |
| 323 Leather and fur products              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      |                               |      |      |      | c/   | 73                                     | 79   | 20   | 12   | 5    |      |      |      |
| 332 Furniture and fixtures, excl. metal   |      |                               |      |      |      | c/   |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      |                               |      |      |      |      | 248                                    | 245  | 165  | 110  | 42   |      |      |      |
| 342 Printing and publishing               |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      |                               |      |      |      | d/   | 192                                    | 185  | 179  | 199  | 205  |      |      |      |
| 352 Other chemicals                       |      |                               |      |      |      | d/   |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      |                               |      |      |      | d/   |  |      |      |      |      |      |      |      |
| 354 Misc. petroleum and coal products     |      |                               |      |      |      | d/   |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      |                               |      |      |      | d/   |  |      |      |      |      |      |      |      |
| 356 Plastic products                      |      |                               |      |      |      | d/   |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 362 Glass and products                    |      |                               |      |      |      | e/   | 191                                    | 191  | 191  | 174  | 145  |      |      |      |
| 369 Other non-metallic mineral products   |      |                               |      |      |      | e/   |  |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      |                               |      |      |      |      | 114                                    | 146  | 107  | 38   | 23   |      |      |      |
| 372 Non-ferrous metals                    |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      |                               |      |      |      |      | 117                                    | 82   | 48   | 33   | 30   |      |      |      |
| 382 Non-electrical machinery              |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 384 Transport equipment                   |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 385 Professional and scientific equipment |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      |                               |      |      |      |      |  |      |      |      |      |      |      |      |

a/ 311/2 includes 313 and 314  
c/ 331 includes 332  
e/ 362 includes 369

b/ 321 includes 323  
d/ 351 includes 352, 353, 354, 355 and 356



## THAILAND

**Supplier of information:**

National Statistical Office, Bangkok.

**Basic source of data:**

Annual survey.

**Major deviations from current version of ISIC:**

Data collected under the national classification system have been reclassified by the national authorities to correspond approximately with the current version of the ISIC.

**Reference period (if not calendar year):****Scope:**

All establishments with 10 and more persons engaged.

**Method of enumeration:**

Questionnaires distributed by mail with follow-up site visits as required.

**Adjusted for non-response:**

No.

**Concepts and definitions of variables:**

Number of employees is the number reported as of 31 December or the last pay period of the year indicated.

Output is census output and is not adjusted for the cost of goods sold without further processing. Output includes the net change in stocks of raw materials, fuels and supplies.

Value added is census value added.

**Related national publications:**

Report of the Industrial Survey (annual), published by the National Statistical Office, Bangkok.

Thailand

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note  | Number of employees |       |      |         | Note    | Wages and salaries paid to employees |      |      |      |
|--|------|--------------------------|------|------|------|-------|---------------------|-------|------|---------|---------|--------------------------------------|------|------|------|
|  |      | (numbers)                |      |      |      |       | (thousands)         |       |      |         |         | (million BAHT)                       |      |      |      |
|  |      | 1985                     | 1989 | 1990 | 1991 |       | 1985                | 1989  | 1990 | 1991    |         | 1985                                 | 1989 | 1990 | 1991 |
| 311/2 Food Products                              |      | 4971                     | 4562 | 2726 |      | 247.2 | 204.3               | 219.2 |      | 8629.0  | 8546.0  | 11376.0                              |      |      |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 41                       | 22   | 63   |      | 8.8   | 0.3                 | 24.7  |      | 184.8   | 6.1     | 1030.9                               |      |      |      |
| 3112 Dairy products                              |      | 27                       | 27   | 54   |      | 2.3   | 0.5                 | 7.6   |      | 270.6   | 6.2     | 826.8                                |      |      |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 66                       | 72   | 179  |      | 27.3  | 14.9                | 27.3  |      | 310.2   | 728.0   | 1142.4                               |      |      |      |
| 3114 Canning, preserving and processing of fish  |      | 128                      | 162  | 243  |      | 21.3  | 27.1                | 48.0  |      | 622.3   | 991.8   | 2109.9                               |      |      |      |
| 3115 Vegetable and animal oils and fats          |      | 30                       | 47   | 65   |      | 2.8   | 5.0                 | 8.5   |      | 93.7    | 419.7   | 862.7                                |      |      |      |
| 3116 Grain mill products                         |      | 3743                     | 3059 | 1125 |      | 115.6 | 89.6                | 28.4  |      | 4052.0  | 2938.8  | 958.4                                |      |      |      |
| 3117 Bakery products                             |      | 188                      | 156  | 252  |      | 11.7  | 4.5                 | 18.7  |      | 354.0   | 233.4   | 896.8                                |      |      |      |
| 3118 Sugar factories and refineries              |      | 56                       | 51   | 60   |      | 21.7  | 27.5                | 20.8  |      | 1377.0  | 1546.6  | 1657.6                               |      |      |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 50                       | 55   | 72   |      | 1.2   | 2.0                 | 3.3   |      | 46.6    | 226.8   | 136.8                                |      |      |      |
| 3121 Other food products                         |      | 243                      | 246  | 295  |      | 8.1   | 5.2                 | 7.0   |      | 297.6   | 168.6   | 279.0                                |      |      |      |
| 3122 Prepared animal feeds                       |      | 100                      | 97   | 140  |      | 7.5   | 10.7                | 8.5   |      | 350.8   | 435.4   | 520.2                                |      |      |      |
| 313 Beverages                                    |      | 67                       | 61   | 79   |      | 51.3  | 95.3                | 20.8  |      | 4189.0  | 5569.0  | 2351.0                               |      |      |      |
| 3131 Distilling, rectifying and blending spirits |      | 15                       | 15   | 15   |      | 6.5   | 6.3                 | 6.3   |      | 851.8   | 843.2   | 843.2                                |      |      |      |
| 3132 Wine industries                             |      | 1                        | 1    | 2    |      |       |                     |       |      |         |         |                                      |      |      |      |
| 3133 Malt liquors and malt                       |      | 2                        | 1    | 3    |      |       |                     | 3.5   |      |         |         | 818.4                                |      |      |      |
| 3134 Soft drinks and carbonated waters           |      | 43                       | 41   | 58   |      | 39.8  | 88.6                | 10.6  |      | 2638.7  | 4707.0  | 666.8                                |      |      |      |
| 314 Tobacco                                      |      | 176                      | 175  | 164  |      | 10.4  | 31.7                | 22.4  |      | 169.0   | 3936.0  | 3805.0                               |      |      |      |
| 321 Textiles                                     |      | 968                      | 1002 | 1464 |      | 309.6 | 411.2               | 276.6 |      | 19966.0 | 19860.0 | 13359.0                              |      |      |      |
| 3211 Spinning, weaving and finishing textiles    |      | 703                      | 682  | 1006 |      | 224.6 | 297.2               | 233.3 |      | 17407.9 | 14436.9 | 11363.1                              |      |      |      |
| 3212 Made-up textile goods excl. wearing apparel |      | 32                       | 52   | 77   |      | 7.3   | 40.3                | 17.3  |      | 199.2   | 2346.2  | 894.8                                |      |      |      |
| 3213 Knitting mills                              |      | 95                       | 77   | 151  |      | 20.3  | 5.0                 | 17.6  |      | 706.7   | 234.9   | 783.2                                |      |      |      |
| 3214 Carpets and rugs                            |      | 20                       | 37   | 37   |      | 12.8  | 1.8                 | 1.8   |      | 686.4   | 686.4   | 54.1                                 |      |      |      |
| 3215 Cordage, rope and twine                     |      | 24                       | 21   | 30   |      | 5.3   | 10.3                | 3.5   |      | 179.5   | 490.9   | 160.8                                |      |      |      |
| 3219 Other textiles                              |      | 1                        | 1    | 9    |      |       |                     | 0.3   |      |         |         | 10.2                                 |      |      |      |
| 322 Wearing apparel, except footwear             |      | 897                      | 922  | 1327 |      | 151.8 | 300.1               | 227.3 |      | 4681.0  | 16219.0 | 17519.0                              |      |      |      |
| 323 Leather and fur products                     |      | 106                      | 66   | 206  |      | 9.8   | 12.1                | 13.4  |      | 486.0   | 1159.0  | 769.0                                |      |      |      |
| 3231 Tanneries and leather finishing             |      | 25                       | 27   | 68   |      | 6.4   | 8.6                 | 4.8   |      | 401.6   | 1058.4  | 266.7                                |      |      |      |
| 3232 Fur dressing and dyeing industries          |      |                          |      |      |      |       |                     |       |      |         |         |                                      |      |      |      |
| 3233 Leather prods. excl. wearing apparel        |      | 45                       | 39   | 92   |      | 2.9   | 3.7                 | 7.7   |      | 76.6    | 101.0   | 330.6                                |      |      |      |
| 324 Footwear, except rubber or plastic           |      | 57                       | 64   | 257  |      | 14.4  | 17.8                | 63.3  |      | 684.0   | 809.0   | 2819.0                               |      |      |      |
| 331 Wood products, except furniture              |      | 480                      | 521  | 858  |      | 31.1  | 26.6                | 41.9  |      | 1286.0  | 1182.0  | 2004.0                               |      |      |      |
| 3311 Sawmills, planing and other wood mills      |      | 382                      | 393  | 576  |      | 24.9  | 21.7                | 31.7  |      | 1101.0  | 770.0   | 1668.3                               |      |      |      |
| 3312 Wooden and cane containers                  |      | 17                       | 7    | 102  |      | 0.3   | 0.1                 | 2.4   |      | 1.1     | 1.4     | 60.6                                 |      |      |      |
| 3319 Other wood and cork products                |      | 5                        | 26   | 81   |      | 1.5   | 3.3                 | 5.2   |      | 34.1    | 166.8   | 208.8                                |      |      |      |
| 332 Furniture and fixtures, excl. metal          |      | 304                      | 238  | 333  |      | 37.4  | 32.1                | 29.0  |      | 1361.0  | 5742.0  | 1433.0                               |      |      |      |
| 341 Paper and products                           |      | 123                      | 136  | 124  |      | 22.3  | 0.8                 | 17.4  |      | 1335.0  | 30.0    | 887.0                                |      |      |      |
| 3411 Pulp, paper and paperboard articles         |      | 21                       | 21   | 19   |      | 5.8   | 5.4                 | 6.6   |      | 298.9   | 186.6   | 247.6                                |      |      |      |
| 3412 Containers of paper and paperboard          |      | 57                       | 39   | 62   |      | 8.7   | 5.6                 | 6.6   |      | 306.9   | 176.9   | 341.2                                |      |      |      |
| 3419 Other pulp, paper and paperboard articles   |      | 39                       | 37   | 40   |      | 7.3   | 7.6                 | 4.6   |      | 698.1   | 776.9   | 269.3                                |      |      |      |
| 342 Printing and publishing                      |      | 330                      | 330  | 420  |      | 31.6  | 25.1                | 32.4  |      | 2493.0  | 1720.0  | 3863.0                               |      |      |      |
| 351 Industrial chemicals                         |      | 140                      | 184  | 246  |      | 17.9  | 11.6                | 19.0  |      | 1638.0  | 669.0   | 3923.0                               |      |      |      |
| 3511 Basic chemicals excl. fertilizers           |      | 44                       | 41   | 118  |      | 4.7   | 3.9                 | 6.3   |      | 360.6   | 310.9   | 671.0                                |      |      |      |
| 3512 Fertilizers and pesticides                  |      | 11                       | 20   | 45   |      | 3.4   | 1.4                 | 3.3   |      | 794.1   | 24.2    | 664.0                                |      |      |      |
| 3513 Synthetic resins and plastic materials      |      | 27                       | 30   | 49   |      | 2.1   | 2.9                 | 9.8   |      | 60.4    | 128.1   | 2629.7                               |      |      |      |
| 352 Other chemicals                              |      | 267                      | 109  | 312  |      | 33.1  | 22.1                | 33.2  |      | 2794.0  | 1340.0  | 3471.0                               |      |      |      |
| 3521 Paints, varnishes and lacquers              |      | 39                       | 30   | 56   |      | 2.4   | 2.0                 | 3.6   |      | 220.9   | 121.6   | 147.4                                |      |      |      |
| 3522 Drugs and medicines                         |      | 123                      | 129  | 141  |      | 22.3  | 12.7                | 13.6  |      | 2030.8  | 792.6   | 1761.6                               |      |      |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 42                       | 39   | 60   |      | 4.2   | 4.1                 | 10.0  |      | 228.9   | 262.9   | 1346.7                               |      |      |      |
| 3529 Other chemical products                     |      | 43                       | 44   | 57   |      | 3.6   | 2.4                 | 6.6   |      | 290.7   | 128.2   | 488.7                                |      |      |      |
| 353 Petroleum refineries                         |      | 5                        | 2    | 10   |      | 4.8   |                     | 2.4   |      | 2638.0  |         | 702.0                                |      |      |      |

|   |       |       |       |        |        |        |          |
|---|-------|-------|-------|--------|--------|--------|----------|
| 354 Misc petroleum and coal products            | 3     | 2     | 5     | 0.1    | 0.2    | 10.0   | 15.0     |
| 355 Rubber products                             | 201   | 203   | 377   | 35.8   | 37.8   | 54.6   | 3333.0   |
| 3551 Tyres and tubes                            | 45    | 48    | 53    | 7.9    | 13.6   | 19.9   | 1627.4   |
| 3559 Other rubber products                      | 154   | 155   | 256   | 28.9   | 24.2   | 33.6   | 4000.6   |
| 356 Plastic products                            | 181   | 127   | 490   | 12.5   | 20.8   | 26.3   | 451.0    |
| 361 Pottery, china, earthenware                 | 143   | 153   | 198   | 22.2   | 18.8   | 18.2   | 575.0    |
| 362 Glass and products                          | 16    | 17    | 27    | 8.2    | 21.2   | 17.7   | 1209.0   |
| 369 Other non-metallic mineral products         | 585   | 573   | 1049  | 45.6   | 67.3   | 62.8   | 3489.0   |
| 3691 Structural clay products                   | 208   | 199   | 310   | 14.7   | 25.7   | 10.0   | 922.9    |
| 3692 Cement, lime and plaster                   | 25    | 31    | 51    | 0.9    | 14.2   | 18.7   | 17.4     |
| 3699 Other non-metallic mineral products        | 336   | 335   | 662   | 6.1    | 20.8   | 30.2   | 2179.1   |
| 371 Iron and steel                              | 233   | 226   | 258   | 25.4   | 27.9   | 34.7   | 2550.0   |
| 372 Non-ferrous metals                          | 156   | 148   | 123   | 4.2    | 2.8    | 12.1   | 129.0    |
| 381 Fabricated metal products                   | 511   | 329   | 890   | 44.9   | 53.3   | 64.7   | 2388.0   |
| 3811 Cutlery, hand tools and general hardware   | 30    | 36    | 56    | 2.2    | 1.6    | 2.9    | 88.3     |
| 3812 Furniture and fixtures primarily of metal  | 20    | 4     | 62    | 3.2    | 0.4    | 3.0    | 88.9     |
| 3813 Structural metal products                  | 90    | 82    | 53    | 4.5    | 2.8    | 1.0    | 219.0    |
| 3819 Other fabricated metal products            | 202   | 174   | 428   | 30.7   | 47.5   | 51.2   | 1896.7   |
| 382 Non-electrical machinery                    | 166   | 200   | 419   | 6.3    | 66.1   | 59.0   | 334.0    |
| 3821 Engines and turbines                       | 6     | 12    | 15    | 0.1    | 1.6    | 0.2    | 5.1      |
| 3822 Agricultural machinery and equipment       | 55    | 72    | 102   | 1.2    | 6.0    | 4.7    | 34.2     |
| 3823 Metal and wood working machinery           | 19    | 19    | 19    | 0.6    | 1.7    | 1.7    | 23.5     |
| 3824 Other special industrial machinery         | 11    | 4     | 19    | 0.1    | 0.1    | 1.3    | 2.4      |
| 3825 Office, computing and accounting machinery | 4     | 22    | 85    | 2.1    | 31.8   | 46.2   | 145.1    |
| 3829 Other non-electrical machinery & equipment | 31    | 22    | 85    | 2.1    | 31.8   | 46.2   | 145.1    |
| 383 Electrical machinery                        | 164   | 132   | 276   | 95.7   | 84.9   | 73.6   | 6017.0   |
| 3831 Electrical industrial machinery            | 19    | 1     | 53    | 8.1    | 17.4   | 17.4   | 456.3    |
| 3832 Radio, television and communication equipm | 37    | 39    | 86    | 32.1   | 36.7   | 35.4   | 2859.7   |
| 3833 Electrical appliances and housewares       | 14    | 17    | 19    | 14.1   | 8.1    | 2.2    | 887.7    |
| 3839 Other electrical apparatus and supplies    | 58    | 27    | 103   | 12.1   | 7.8    | 16.5   | 749.5    |
| 384 Transport equipment                         | 350   | 337   | 697   | 58.0   | 44.0   | 78.1   | 4068.0   |
| 3841 Shipbuilding and repairing                 | 30    | 27    | 36    | 1.1    | 1.4    | 1.9    | 55.0     |
| 3842 Railroad equipment                         | 219   | 157   | 447   | 50.4   | 31.4   | 68.4   | 3554.7   |
| 3843 Motor vehicles                             | 53    | 5     | 77    | 5.3    | 0.2    | 3.9    | 417.8    |
| 3844 Motorcycles and bicycles                   | 1     | 2     | 3     | 0.1    | 0.1    | 0.1    | 4.4      |
| 3845 Aircraft                                   | 1     | 2     | 3     | 0.1    | 0.1    | 0.1    | 4.4      |
| 3849 Other transport equipment                  | 1     | 2     | 3     | 0.1    | 0.1    | 0.1    | 4.4      |
| 385 Professional and scientific equipment       | 11    | 16    | 30    | 6.2    | 5.5    | 22.1   | 412.0    |
| 3851 Prof. and scientific equipment n.e.c.      | 11    | 16    | 30    | 6.2    | 5.5    | 22.1   | 412.0    |
| 3852 Photographic and optical goods             | 11    | 16    | 30    | 6.2    | 5.5    | 22.1   | 412.0    |
| 3853 Watches and clocks                         | 11    | 16    | 30    | 6.2    | 5.5    | 22.1   | 412.0    |
| 390 Other manufacturing industries              | 327   | 344   | 562   | 32.3   | 76.0   | 55.5   | 1454.0   |
| 3901 Jewellery and related articles             | 82    | 90    | 218   | 13.8   | 8.0    | 33.4   | 999.0    |
| 3902 Musical instruments                        | 4     | 2     | 20    | 0.1    | 0.1    | 0.1    | 2.3      |
| 3903 Sporting and athletic goods                | 145   | 130   | 298   | 15.5   | 63.8   | 28.9   | 777.9    |
| 3909 Manufacturing industries, n.e.c.           | 145   | 130   | 298   | 15.5   | 63.8   | 28.9   | 777.9    |
| 3 Total manufacturing                           | 11938 | 11179 | 13926 | 1360.1 | 1717.2 | 1507.9 | 80615.0  |
|   |       |       |       |        |        |        | 110047.0 |
|   |       |       |       |        |        |        | 118348.0 |

## Thailand

| ISIC Industry                                    | Note | Output in producers' prices |        |        |      | Note  | Value added in producers' prices |       |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-----------------------------|--------|--------|------|-------|----------------------------------|-------|------|------|--------------------------------|------|--|------|
|  |      | (million BAHT)              |        |        |      |       | (million BAHT)                   |       |      |      | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                        | 1989   | 1990   | 1991 |       | 1985                             | 1989  | 1990 | 1991 | 1985                           | 1991 | 1985                                       | 1991 |
| 311/2 Food Products                              |      | 277426                      | 261170 | 253693 |      | 68011 | 65312                            | 69026 |      | 27.2 |                                | 16.6 |  |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 3870                        | 74     | 18259  |      | 668   | 41                               | 2341  |      | 12.8 |                                | 44.0 |  |      |
| 3112 Dairy products                              |      | 7184                        | 53     | 22214  |      | 1697  | 27                               | 7457  |      | 33.6 |                                | 11.1 |  |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 6780                        | 9663   | 13185  |      | 2006  | 4012                             | 6208  |      | 39.5 |                                | 21.9 |  |      |
| 3114 Canning, preserving and processing of fish  |      | 12998                       | 14167  | 40106  |      | 4140  | 4252                             | 10660 |      | 26.3 |                                | 20.0 |  |      |
| 3115 Vegetable and animal oils and fats          |      | 5954                        | 21219  | 24994  |      | 832   | 4988                             | 4587  |      | 18.4 |                                | 18.6 |  |      |
| 3116 Grain mill products                         |      | 162283                      | 121811 | 39523  |      | 27956 | 20096                            | 8052  |      | 20.4 |                                | 11.9 |  |      |
| 3117 Bakery products                             |      | 1096                        | 2373   | 8090   |      | 1098  | 1353                             | 2924  |      | 36.1 |                                | 30.6 |  |      |
| 3118 Sugar factories and refineries              |      | 10645                       | 35396  | 26429  |      | 10645 | 11261                            | 8041  |      | 31.6 |                                | 19.4 |  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 135                         | 7462   | 1177   |      | 135   | 2141                             | 466   |      | 39.6 |                                | 29.1 |  |      |
| 3121 Other food products                         |      | 1653                        | 2281   | 2837   |      | 1653  | 917                              | 1221  |      | 43.0 |                                | 22.9 |  |      |
| 3122 Prepared animal feeds                       |      | 24064                       | 15692  | 30922  |      | 3318  | 2199                             | 7833  |      | 26.3 |                                | 6.6  |  |      |
| 313 Beverages                                    |      | 68739                       | 94972  | 49025  |      | 46641 | 70774                            | 37610 |      | 76.7 |                                | 6.3  |  |      |
| 3131 Distilling, rectifying and blending spirits |      |                             | 16774  | 19361  |      |       | 13946                            | 16882 |      | 82.1 |                                | 6.3  |  |      |
| 3132 Wine industries                             |      |                             |        |        |      |       |                                  |       |      |      |                                |      |  |      |
| 3133 Malt liquors and malt                       |      |                             |        | 23274  |      |       |                                  | 18719 |      | 80.4 |                                | 4.4  |  |      |
| 3134 Soft drinks and carbonated waters           |      | 27959                       | 78004  | 5860   |      | 12407 | 56704                            | 2838  |      | 48.4 |                                | 23.5 |  |      |
| 314 Tobacco                                      |      | 1555                        | 52581  | 57378  |      | 162   | 41520                            | 47883 |      | 83.6 |                                | 7.9  |  |      |
| 321 Textiles                                     |      | 206071                      | 632770 | 134885 |      | 58364 | 180756                           | 61372 |      | 38.1 |                                | 26.0 |  |      |
| 3211 Spinning, weaving and finishing textiles    |      | 185100                      | 606042 | 124109 |      | 51812 | 171378                           | 46634 |      | 37.6 |                                | 24.4 |  |      |
| 3212 Made-up textile goods excl. wearing apparel |      | 1575                        | 7683   | 4363   |      | 705   | 1526                             | 1519  |      | 34.8 |                                | 68.9 |  |      |
| 3213 Knitting mills                              |      | 5673                        | 1187   | 2623   |      | 1837  | 388                              | 2187  |      | 83.4 |                                | 35.8 |  |      |
| 3214 Carpets and rugs                            |      |                             | 5809   | 762    |      |       | 3115                             | 274   |      | 36.0 |                                | 19.7 |  |      |
| 3215 Cordage, rope and twine                     |      | 1532                        | 3212   | 944    |      | 495   | 986                              | 392   |      | 11.5 |                                | 41.0 |  |      |
| 3219 Other textiles                              |      |                             |        | 200    |      |       |                                  | 95    |      | 47.5 |                                | 10.7 |  |      |
| 322 Wearing apparel, except footwear             |      | 43601                       | 108928 | 165096 |      | 13877 | 26858                            | 84142 |      | 61.0 |                                | 20.8 |  |      |
| 323 Leather and fur products                     |      | 4096                        | 5679   | 30033  |      | 975   | 1570                             | 15425 |      | 61.4 |                                | 6.0  |  |      |
| 3231 Tanneries and leather finishing             |      | 3255                        | 4891   | 14048  |      | 808   | 1418                             | 7147  |      | 60.9 |                                | 3.6  |  |      |
| 3232 Fur dressing and dyeing industries          |      |                             |        |        |      |       |                                  |       |      |      |                                |      |  |      |
| 3233 Leather prods. excl. wearing apparel        |      | 802                         | 788    | 2610   |      | 144   | 151                              | 1580  |      | 60.6 |                                | 20.9 |  |      |
| 324 Footwear, except rubber or plastic           |      | 1940                        | 4418   | 15972  |      | 780   | 1612                             | 7317  |      | 46.8 |                                | 38.6 |  |      |
| 331 Wood products, except furniture              |      | 13957                       | 15933  | 22939  |      | 4413  | 4764                             | 10063 |      | 43.8 |                                | 19.9 |  |      |
| 3311 Sawmills, planing and other wood mills      |      | 11909                       | 11675  | 19246  |      | 3902  | 3418                             | 9176  |      | 47.7 |                                | 18.1 |  |      |
| 3312 Wooden and cane containers                  |      | 7                           | 9      | 69     |      | 3     | 1                                | 75    |      |      |                                | 67.5 |  |      |
| 3319 Other wood and cork products                |      | 302                         | 1253   | 1949   |      | 73    | 381                              | 455   |      | 23.3 |                                | 45.9 |  |      |
| 332 Furniture and fixtures, excl. metal          |      | 12577                       | 50736  | 13920  |      | 4197  | 16458                            | 7066  |      | 60.8 |                                | 20.3 |  |      |
| 341 Paper and products                           |      | 35916                       | 1254   | 14606  |      | 7311  | 195                              | 4098  |      | 28.1 |                                | 21.6 |  |      |
| 3411 Pulp, paper and paperboard articles         |      | 14460                       | 12142  | 5086   |      | 3443  | 2002                             | 1286  |      | 21.2 |                                | 19.2 |  |      |
| 3412 Containers of paper and paperboard          |      | 5158                        | 381    | 3417   |      | 1368  | 769                              | 1191  |      | 34.9 |                                | 28.6 |  |      |
| 3419 Other pulp, paper and paperboard articles   |      | 16028                       | 15108  | 3768   |      | 2069  | 4418                             | 1440  |      | 38.2 |                                | 18.0 |  |      |
| 342 Printing and publishing                      |      | 72183                       | 10016  | 571208 |      | 68046 | 6197                             |       |      |      |                                |      |  |      |
| 351 Industrial chemicals                         |      | 68609                       | 10371  | 61837  |      | 21766 | 3936                             | 26853 |      | 41.8 |                                | 16.2 |  |      |
| 3511 Basic chemicals excl. fertilizers           |      | 5584                        | 5399   | 5440   |      | 2041  | 2155                             | 2293  |      | 42.2 |                                | 29.3 |  |      |
| 3512 Fertilizers and pesticides                  |      | 50091                       | 221    | 18096  |      | 15947 | 72                               | 5777  |      | 31.9 |                                | 11.3 |  |      |
| 3513 Synthetic resins and plastic materials      |      | 1500                        | 1966   | 38852  |      | 463   | 636                              | 17919 |      | 46.1 |                                | 14.7 |  |      |
| 352 Other chemicals                              |      | 37764                       | 19064  | 59848  |      | 14111 | 7389                             | 20461 |      | 34.2 |                                | 17.0 |  |      |
| 3521 Paints, varnishes and lacquers              |      | 3186                        | 1254   | 794    |      | 1300  | 417                              | 321   |      | 40.4 |                                | 45.9 |  |      |
| 3522 Drugs and medicines                         |      | 27456                       | 8206   | 18890  |      | 10692 | 2734                             | 9583  |      | 50.7 |                                | 18.4 |  |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 2574                        | 4933   | 33872  |      | 738   | 3323                             | 8400  |      | 24.8 |                                | 16.0 |  |      |
| 3529 Other chemical products                     |      | 4177                        | 3831   | 6245   |      | 1288  | 694                              | 2141  |      | 34.3 |                                | 22.8 |  |      |
| 353 Petroleum refineries                         |      | 161952                      |        | 133029 |      | 69393 |                                  |       |      |      |                                |      |  |      |

|   |         |         |         |  |        |        |         |  |      |      |
|---|---------|---------|---------|--|--------|--------|---------|--|------|------|
| 354 Misc petroleum and coal products            | 233     |         | 836     |  | 36     |        | 326     |  | 39.0 | 4.6  |
| 355 Rubber products                             | 243488  | 46508   | 69774   |  | 41557  | 12108  | 25049   |  | 37.3 | 12.8 |
| 3551 Tyres and tubes                            | 13452   | 21584   | 41713   |  | 5556   | 8019   | 17853   |  | 42.8 | 10.7 |
| 3559 Other rubber products                      | 220843  | 24899   | 27665   |  | 34585  | 4082   | 8014    |  | 29.0 | 17.1 |
| 356 Plastic products                            | 8510    | 61454   | 11564   |  | 2125   | 22828  | 5439    |  | 47.0 | 21.9 |
| 361 Pottery, china, earthenware                 | 3140    | 2808    | 8081    |  | 1659   | 1517   | 4900    |  | 60.6 | 17.3 |
| 362 Glass and products                          | 11810   | 5621    | 17791   |  | 6751   | 2346   | 10919   |  | 61.4 | 16.3 |
| 369 Other non-metallic mineral products         | 71781   | 159307  | 122688  |  | 27915  | 70840  | 57759   |  | 47.1 | 13.5 |
| 3691 Structural clay products                   | 18141   | 73327   | 5405    |  | 10968  | 39317  | 2933    |  | 54.3 | 17.0 |
| 3692 Cement, lime and plaster                   | 119     | 60288   | 89611   |  | 80     | 18442  | 40074   |  | 44.7 | 11.3 |
| 3699 Other non-metallic mineral products        | 49215   | 13179   | 14645   |  | 14833  | 5315   | 6805    |  | 45.5 | 25.2 |
| 371 Iron and steel                              | 87819   | 53819   | 84056   |  | 42882  | 10994  | 29108   |  | 34.6 | 11.2 |
| 372 Non-ferrous metals                          | 847     | 1522    | 41880   |  | 418    | 273    | 7785    |  | 18.6 | 22.6 |
| 381 Fabricated metal products                   | 77052   | 82684   | 56325   |  | 16352  | 15473  | 27714   |  | 49.2 | 15.7 |
| 3811 Cutlery, hand tools and general hardware   | 4712    | 175     | 492     |  | 2255   | 71     | 194     |  | 39.4 | 59.1 |
| 3812 Furniture and fixtures primarily of metal  | 2238    | 144     | 1678    |  | 202    | 46     | 494     |  | 29.4 | 25.7 |
| 3813 Structural metal products                  | 5181    | 8240    | 189     |  | 693    | 657    | 106     |  | 55.1 | 34.6 |
| 3819 Other fabricated metal products            | 63324   | 70735   | 51555   |  | 12948  | 14515  | 25092   |  | 60.6 | 14.6 |
| 382 Non-electrical machinery                    | 5867    | 91585   | 259899  |  | 1155   | 49360  | 174242  |  | 57.0 | 3.3  |
| 3821 Engines and turbines                       | 46      | 13082   | 45      |  | 6      | 3830   | 10      |  | 22.2 | 43.0 |
| 3822 Agricultural machinery and equipment       | 133     | 18430   | 14042   |  | 47     | 15898  | 3884    |  | 27.7 | 13.7 |
| 3823 Metal and wood working machinery           |         |         | 44186   |  |        |        | 10115   |  | 22.9 | 0.5  |
| 3824 Other special industrial machinery         | 257     |         | 676     |  | 145    |        | 182     |  | 25.9 | 94.0 |
| 3825 Office, computing and accounting machinery | 11      | 20      | 1964    |  | 7      | 9      | 1554    |  | 79.5 | 6.7  |
| 3829 Other non-electrical machinery & equipment | 3273    | 32812   | 187805  |  | 557    | 15404  | 156034  |  | 83.1 | 2.9  |
| 383 Electrical machinery                        | 117901  | 164214  | 217126  |  | 31710  | 64552  | 115439  |  | 54.5 | 6.8  |
| 3831 Electrical industrial machinery            | 9242    |         | 16509   |  | 2770   |        | 5904    |  | 41.8 | 21.7 |
| 3832 Radio, television and communication equipm | 51460   | 76892   | 162441  |  | 13821  | 39534  | 93418   |  | 57.5 | 5.1  |
| 3833 Electrical appliances and housewares       | 15095   | 6524    | 1628    |  | 7557   | 1259   | 313     |  | 19.2 | 20.2 |
| 3839 Other electrical apparatus and supplies    | 26841   | 23383   | 19493   |  | 3825   | 3415   | 7315    |  | 37.5 | 18.1 |
| 384 Transport equipment                         | 77138   | 94980   | 150122  |  | 32722  | 21754  | 100499  |  | 65.9 | 7.6  |
| 3841 Shipbuilding and repairing                 | 237     | 245     | 576     |  | 93     | 107    | 182     |  | 31.5 | 61.1 |
| 3842 Railroad equipment                         |         |         |         |  |        |        |         |  |      |      |
| 3843 Motor vehicles                             | 67918   | 70901   | 138507  |  | 29840  | 17573  | 95599   |  | 59.8 | 7.2  |
| 3844 Motorcycles and bicycles                   | 10515   | 12      | 8571    |  | 2737   | 7      | 2553    |  | 31.0 | 8.1  |
| 3845 Aircraft                                   |         |         |         |  |        |        |         |  |      |      |
| 3849 Other transport equipment                  |         |         | 11      |  |        |        |         |  |      |      |
| 385 Professional and scientific equipment       | 3054    | 2251    | 5712    |  | 1289   | 1491   | 3215    |  | 55.3 | 20.9 |
| 3851 Prof and scientific equipment n e c        |         |         |         |  |        |        |         |  |      |      |
| 3852 Photographic and optical goods             |         |         |         |  |        |        |         |  |      |      |
| 3853 Watches and clocks                         |         |         |         |  |        |        |         |  |      |      |
| 390 Other manufacturing industries              | 24388   | 36511   | 52045   |  | 5525   | 12730  | 25518   |  | 49.5 | 14.2 |
| 3901 Jewellery and related articles             | 15109   | 3110    | 28948   |  | 2099   | 1361   | 12304   |  | 42.5 | 15.2 |
| 3902 Musical instruments                        |         |         |         |  |        |        |         |  |      |      |
| 3903 Sporting and athletic goods                |         |         | 894     |  |        |        | 150     |  | 17.9 | 51.6 |
| 3909 Manufacturing industries, n e c            | 7591    | 31557   | 21429   |  | 3109   | 10715  | 13225   |  | 51.7 | 12.5 |
| J Total manufacturing                           | 1739414 | 2061255 | 2681352 |  | 570043 | 703515 | 1659135 |  | 62.2 | 7.1  |

Thailand

| ISIC Industry                             | Gross fixed capital formation |                 | Index numbers of industrial production |            |      |      |      |      |      |      |      |      |  |  |
|---|-------------------------------|-----------------|--|------------|------|------|------|------|------|------|------|------|--|--|
|   | Note                          | (thousand BAHT) | Note                                   | (1980=100) |      |      |      |      |      |      |      |      |  |  |
|   |                               | 1985            |  | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |  |  |
| 311/2 Food Products                       |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 313 Beverages                             |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 314 Tobacco                               |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 321 Textiles                              |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 322 Wearing apparel, except footwear      |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 323 Leather and fur products              |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 324 Footwear, except rubber or plastic    |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 331 Wood products, except furniture       |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 332 Furniture and fixtures, excl metal    |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 341 Paper and products                    |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 342 Printing and publishing               |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 351 Industrial chemicals                  |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 352 Other chemicals                       |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 353 Petroleum refineries                  |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 354 Misc petroleum and coal products      |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 355 Rubber products                       |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 356 Plastic products                      |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 361 Pottery, china, earthenware           |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 362 Glass and products                    |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 369 Other non-metallic mineral products   |                               |                 |  | 154        | 148  | 148  | 165  | 216  | 282  | 338  | 369  | 407  |  |  |
| 371 Iron and steel                        |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 372 Non-ferrous metals                    |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 381 Fabricated metal products             |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 382 Non-electrical machinery              |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 383 Electrical machinery                  |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 384 Transport equipment                   |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 386 Professional and scientific equipment |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 390 Other manufacturing industries        |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |
| 3 Total manufacturing                     |                               |                 |  |            |      |      |      |      |      |      |      |      |  |  |

## THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA

**Supplier of information:**

Statistical Office of the Former Yugoslav Republic of Macedonia, Skopje.

**Basic source of data:**

Annual report on industrial activity.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):**

**Scope:**

Not reported.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Wages and salaries represents the compensation of employees.

Value added refers to social product and is calculated as the difference between the value of the production, including turnover tax, and material expenditure.

**Related national publications:**

The former Yugoslav Republic of Macedonia

| ISIC Industry                             | Note | Number of enterprises |      |      |      | Note | Number of employees |        |        |      | Note | wages and salaries paid to employees |        |         |      |
|---|------|-----------------------|------|------|------|------|---------------------|--------|--------|------|------|--------------------------------------|--------|---------|------|
|   |      | (numbers)             |      |      |      |      | (numbers)           |        |        |      |      | (thousand DENARS)                    |        |         |      |
|   |      | 1985                  | 1990 | 1991 | 1992 |      | 1985                | 1990   | 1991   | 1992 |      | 1985                                 | 1990   | 1991    | 1992 |
| 311/2 Food Products                       |      |                       | 53   | 137  | 255  |      | 12577               | 14667  | 14761  |      |      | 7526                                 | 21449  | 18819   |      |
| 313 Beverages                             |      |                       | 11   | 15   | 48   |      | 4692                | 2218   | 1978   |      |      | 2487                                 | 3853   | 26797   |      |
| 314 Tobacco                               |      |                       | 25   | 24   | 25   |      | 8131                | 7121   | 7370   |      |      | 7733                                 | 19860  | 10487   |      |
| 321 Textiles                              |      |                       | 29   | 48   | 76   |      | 27201               | 24912  | 23268  |      |      | 11760                                | 17987  | 174972  |      |
| 322 wearing apparel, except footwear      |      |                       | 97   | 188  | 301  |      | 29765               | 29040  | 27179  |      |      | 12136                                | 19724  | 251400  |      |
| 323 Leather and fur products              |      |                       | 7    | 15   | 23   |      | 4143                | 4066   | 4441   |      |      | 2388                                 | 9366   | 63793   |      |
| 324 Footwear, except rubber or plastic    |      |                       | 14   | 26   | 36   |      | 8435                | 6664   | 6028   |      |      | 3394                                 | 6266   | 50481   |      |
| 331 wood products, except furniture       |      |                       | 13   | 19   | 31   |      | 2191                | 1456   | 1858   |      |      | 844                                  | 1039   | 17438   |      |
| 332 Furniture and fixtures, excl metal    |      |                       | 48   | 104  | 209  |      | 7959                | 6648   | 6730   |      |      | 3687                                 | 6479   | 67404   |      |
| 341 Paper and products                    |      |                       | 7    | 12   | 37   |      | 1809                | 1806   | 1767   |      |      | 982                                  | 3074   | 24447   |      |
| 342 Printing and publishing               |      |                       | 60   | 101  | 120  |      | 3886                | 4669   | 4400   |      |      | 2338                                 | 6126   | 51227   |      |
| 251 Industrial chemicals                  |      |                       | 11   | 21   | 43   |      | 8867                | 8016   | 7266   |      |      | 6799                                 | 10714  | 84138   |      |
| 352 Other chemicals                       |      |                       | 8    | 19   | 32   |      | 3396                | 2969   | 3031   |      |      | 3823                                 | 6663   | 44266   |      |
| 353 Petroleum refineries                  |      |                       | 1    | 1    | 1    |      | 1419                | 1338   | 1304   |      |      | 1086                                 | 1946   | 46372   |      |
| 354 Misc. petroleum and coal products     |      |                       | -    | -    | -    |      | -                   | -      | -      |      |      | -                                    | -      | -       |      |
| 355 Rubber products                       |      |                       | 1    | 1    | 6    |      | -                   | 1      | 6      |      |      | -                                    | 1      | 307     |      |
| 356 Plastic products                      |      |                       | 30   | 54   | 107  |      | 1746                | 1710   | 1998   |      |      | 1063                                 | 2766   | 18894   |      |
| 361 Pottery, china, earthenware           |      |                       | 5    | 13   | 25   |      | 3766                | 3392   | 3112   |      |      | 1693                                 | 2999   | 23967   |      |
| 362 Glass and products                    |      |                       | 3    | 6    | 4    |      | 303                 | 832    | 188    |      |      | 106                                  | 691    | 2062    |      |
| 369 Other non-metallic mineral products   |      |                       | 3    | 3    | 6    |      | 2379                | 1779   | 1400   |      |      | 436                                  | 1964   | 13962   |      |
| 371 Iron and steel                        |      |                       | 4    | 4    | 4    |      | 16894               | 13144  | 12063  |      |      | 11131                                | 24671  | 160021  |      |
| 372 Non-ferrous metals                    |      |                       | 3    | 6    | 13   |      | 2016                | 2216   | 1818   |      |      | 1100                                 | 2163   | 24660   |      |
| 381 Fabricated metal products             |      |                       | 83   | 158  | 310  |      | 10864               | 11344  | 10236  |      |      | 5548                                 | 11613  | 106269  |      |
| 382 Non-electrical machinery              |      |                       | 20   | 38   | 62   |      | 1614                | 3606   | 3376   |      |      | 762                                  | 4136   | 43606   |      |
| 383 Electrical machinery                  |      |                       | 75   | 165  | 360  |      | 12249               | 11687  | 12078  |      |      | 7490                                 | 12494  | 134109  |      |
| 384 Transport equipment                   |      |                       | 31   | 72   | 137  |      | 7078                | 10393  | 9717   |      |      | 3863                                 | 13323  | 100822  |      |
| 385 Professional and scientific equipment |      |                       | 6    | 27   | 51   |      | 224                 | 241    | 346    |      |      | 98                                   | 246    | 3978    |      |
| 390 Other manufacturing industries        |      |                       | 14   | 35   | 77   |      | 1641                | 1677   | 1663   |      |      | 874                                  | 1667   | 17220   |      |
| 3 Total manufacturing                     |      |                       | 662  | 1312 | 2399 |      | 186236              | 177198 | 169368 |      |      | 100024                               | 211006 | 1823788 |      |



## The former Yugoslav Republic of Macedonia

| ISIC Industry                             | Note | Output           |        |         |      | Note  | Value added      |        |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|------------------|--------|---------|------|-------|------------------|--------|------|------|--------------------------------|------|--|------|
|   |      | (million DENARS) |        |         |      |       | (million DENARS) |        |      |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985             | 1990   | 1991    | 1992 |       | 1985             | 1990   | 1991 | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       |      | 40.4             | 121.0  | 1944.7  |      | 18.2  | 55.8             | 805.2  |      | 41.4 |                                | 23.2 |  |      |
| 313 Beverages                             |      | 14.0             | 26.4   | 393.9   |      | 5.5   | 13.6             | 177.6  |      | 45.1 |                                | 15.1 |  |      |
| 314 Tobacco                               |      | 42.9             | 101.6  | 1585.0  |      | 18.6  | 41.0             | 600.0  |      | 37.9 |                                | 17.4 |  |      |
| 321 Textiles                              |      | 36.5             | 72.7   | 1135.0  |      | 18.5  | 41.1             | 683.5  |      | 50.2 |                                | 25.6 |  |      |
| 322 Wearing apparel, except footwear      |      | 43.5             | 73.7   | 1274.2  |      | 23.9  | 41.8             | 699.3  |      | 54.9 |                                | 36.0 |  |      |
| 323 Leather and fur products              |      | 11.4             | 25.2   | 385.9   |      | 4.6   | 13.8             | 205.0  |      | 53.1 |                                | 26.2 |  |      |
| 324 Footwear, except rubber or plastic    |      | 17.2             | 23.5   | 392.6   |      | 8.4   | 12.3             | 217.4  |      | 55.4 |                                | 23.2 |  |      |
| 331 Wood products, except furniture       |      | 2.9              | 4.9    | 101.0   |      | 1.2   | 2.1              | 40.2   |      | 39.8 |                                | 43.4 |  |      |
| 332 Furniture and fixtures, excl. metal   |      | 17.0             | 26.7   | 368.6   |      | 7.0   | 10.9             | 148.8  |      | 40.4 |                                | 38.6 |  |      |
| 341 Paper and products                    |      | 4.6              | 11.9   | 185.0   |      | 1.5   | 5.3              | 83.4   |      | 45.0 |                                | 29.3 |  |      |
| 342 Printing and publishing               |      | 9.0              | 20.2   | 256.8   |      | 4.9   | 13.2             | 155.1  |      | 50.4 |                                | 33.0 |  |      |
| 351 Industrial chemicals                  |      | 30.9             | 61.7   | 1032.7  |      | 10.4  | 16.7             | 408.1  |      | 39.5 |                                | 20.6 |  |      |
| 352 Other chemicals                       |      | 13.8             | 26.9   | 332.7   |      | 8.3   | 14.3             | 160.2  |      | 48.2 |                                | 27.8 |  |      |
| 353 Petroleum refineries                  |      | 36.3             | 51.7   | 292.4   |      | 9.5   | 4.4              | 57.3   |      | 19.6 |                                | 80.9 |  |      |
| 354 Misc. petroleum and coal products     |      | -                | -      | -       |      | -     | -                | -      |      | -    |                                | -    |  |      |
| 355 Rubber products                       |      | -                | -      | 1.9     |      | -     | -                | 1.0    |      | 53.3 |                                | 30.8 |  |      |
| 356 Plastic products                      |      | 4.3              | 11.0   | 154.7   |      | 2.1   | 6.1              | 90.3   |      | 58.3 |                                | 20.9 |  |      |
| 361 Pottery, china, earthenware           |      | 5.7              | 14.3   | 168.3   |      | 3.7   | 7.3              | 85.8   |      | 51.0 |                                | 27.9 |  |      |
| 362 Glass and products                    |      | 0.4              | 1.5    | 16.9    |      | 0.2   | 0.7              | 11.3   |      | 56.7 |                                | 18.3 |  |      |
| 369 Other non-metallic mineral products   |      | 4.3              | 8.7    | 100.5   |      | 1.9   | 4.6              | 55.2   |      | 54.9 |                                | 25.3 |  |      |
| 371 Iron and steel                        |      | 73.7             | 137.3  | 1751.8  |      | 18.7  | 36.7             | 330.6  |      | 18.9 |                                | 48.4 |  |      |
| 372 Non-ferrous metals                    |      | 4.9              | 10.8   | 184.4   |      | 1.8   | 4.3              | 100.2  |      | 54.4 |                                | 24.5 |  |      |
| 381 Fabricated metal products             |      | 19.5             | 42.3   | 575.0   |      | 10.1  | 20.9             | 319.2  |      | 55.5 |                                | 33.3 |  |      |
| 382 Non-electrical machinery              |      | 3.3              | 13.6   | 215.2   |      | 1.3   | 8.8              | 167.9  |      | 78.0 |                                | 26.0 |  |      |
| 383 Electrical machinery                  |      | 34.7             | 68.8   | 1181.5  |      | 15.6  | 27.0             | 443.7  |      | 37.6 |                                | 30.2 |  |      |
| 384 Transport equipment                   |      | 22.5             | 43.8   | 517.2   |      | 11.7  | 21.5             | 341.5  |      | 65.0 |                                | 29.6 |  |      |
| 385 Professional and scientific equipment |      | 0.3              | 1.1    | 21.5    |      | 0.2   | 0.6              | 13.7   |      | 63.6 |                                | 29.1 |  |      |
| 390 Other manufacturing industries        |      | 3.7              | 6.6    | 66.1    |      | 2.1   | 4.1              | 51.5   |      | 77.9 |                                | 33.4 |  |      |
| 3 Total manufacturing                     |      | 498.6            | 1008.1 | 14635.1 |      | 210.0 | 429.0            | 6452.7 |      | 44.1 |                                | 28.3 |  |      |

The former Yugoslav Republic of Macedonia

| ISIC Industry                             | Gross fixed capital formation |                  |      |      | Index numbers of industrial production |      |            |      |      |      |      |      |      |      |      |  |
|---|-------------------------------|------------------|------|------|--|------|------------|------|------|------|------|------|------|------|------|--|
|   | Note                          | (million DENARS) |      |      |  | Note | (1980=100) |      |      |      |      |      |      |      |      |  |
|   |                               | 1985             | 1990 | 1991 | 1992                                   |      | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |  |
| 311/2 Food Products                       |                               |                  | 1.2  | 4.1  | 53.5                                   |      |            |      |      |      |      |      |      |      |      |  |
| 313 Beverages                             |                               |                  | 0.1  | 0.6  | 10.2                                   |      |            |      |      |      |      |      |      |      |      |  |
| 314 Tobacco                               |                               |                  | 0.7  | 0.7  | 35.2                                   |      |            |      |      |      |      |      |      |      |      |  |
| 321 Textiles                              |                               |                  | 0.8  | 1.6  | 4.7                                    |      |            |      |      |      |      |      |      |      |      |  |
| 322 wearing apparel, except footwear      |                               |                  | 1.4  | 1.4  | 8.3                                    |      |            |      |      |      |      |      |      |      |      |  |
| 323 Leather and fur products              |                               |                  | 0.2  | 1.1  | 94.4                                   |      |            |      |      |      |      |      |      |      |      |  |
| 324 Footwear, except rubber or plastic    |                               |                  | 0.1  | -    | 1.2                                    |      |            |      |      |      |      |      |      |      |      |  |
| 331 Wood products, except furniture       |                               |                  | 0.4  | 0.2  | 4.1                                    |      |            |      |      |      |      |      |      |      |      |  |
| 332 Furniture and fixtures, excl metal    |                               |                  | 0.6  | 0.6  | 15.7                                   |      |            |      |      |      |      |      |      |      |      |  |
| 341 Paper and products                    |                               |                  | 0.2  | 0.3  | 1.1                                    |      |            |      |      |      |      |      |      |      |      |  |
| 342 Printing and publishing               |                               |                  | 0.3  | 0.9  | 7.8                                    |      |            |      |      |      |      |      |      |      |      |  |
| 351 Industrial chemicals                  |                               |                  | 1.4  | 0.6  | 78.5                                   |      |            |      |      |      |      |      |      |      |      |  |
| 352 Other chemicals                       |                               |                  | 0.1  | 0.7  | 12.7                                   |      |            |      |      |      |      |      |      |      |      |  |
| 353 Petroleum refineries                  |                               |                  | -    | 0.1  | 0.6                                    |      |            |      |      |      |      |      |      |      |      |  |
| 354 Misc petroleum and coal products      |                               |                  | -    | -    | -                                      |      |            |      |      |      |      |      |      |      |      |  |
| 355 Rubber products                       |                               |                  | 0.1  | 0.2  | 0.2                                    |      |            |      |      |      |      |      |      |      |      |  |
| 356 Plastic products                      |                               |                  | 0.1  | 0.1  | 2.2                                    |      |            |      |      |      |      |      |      |      |      |  |
| 361 Pottery, china, earthenware           |                               |                  | 0.1  | -    | -                                      |      |            |      |      |      |      |      |      |      |      |  |
| 362 Glass and products                    |                               |                  | -    | -    | 1.2                                    |      |            |      |      |      |      |      |      |      |      |  |
| 369 Other non-metallic mineral products   |                               |                  | -    | 0.1  | 1.8                                    |      |            |      |      |      |      |      |      |      |      |  |
| 371 Iron and steel                        |                               |                  | 1.3  | 1.6  | 15.2                                   |      |            |      |      |      |      |      |      |      |      |  |
| 372 Non-ferrous metals                    |                               |                  | 0.1  | -    | 0.4                                    |      |            |      |      |      |      |      |      |      |      |  |
| 381 Fabricated metal products             |                               |                  | 0.3  | 0.9  | 2.4                                    |      |            |      |      |      |      |      |      |      |      |  |
| 382 Non-electrical machinery              |                               |                  | -    | 0.4  | 1.8                                    |      |            |      |      |      |      |      |      |      |      |  |
| 383 Electrical machinery                  |                               |                  | 1.0  | 2.3  | 5.0                                    |      |            |      |      |      |      |      |      |      |      |  |
| 384 Transport equipment                   |                               |                  | 0.2  | 1.1  | 3.9                                    |      |            |      |      |      |      |      |      |      |      |  |
| 385 Professional and scientific equipment |                               |                  | -    | 0.1  | -                                      |      |            |      |      |      |      |      |      |      |      |  |
| 390 Other manufacturing industries        |                               |                  | 0.1  | 7.1  | 6.0                                    |      |            |      |      |      |      |      |      |      |      |  |
| 3 Total manufacturing                     |                               |                  | 10.7 | 26.6 | 369.1                                  |      |            |      |      |      |      |      |      |      |      |  |

## TONGA

**Supplier of information:**

Statistics Department, Nuku'alofa.

**Basic source of data:**

Quarterly Survey of Industrial Production, Employment and Wages and Salaries.

**Major deviations from current version of ISIC:**

The data are available only by broad groupings of industries corresponding to the current version of the ISIC.

**Reference period (if not calendar year):****Scope:**

All registered manufacturing establishments.

**Method of enumeration:**

Individual site visits by government enumerators.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Number of employees refers to the average of two pay periods nearest to 30 June and 31 December of the year indicated.

Output and value added are at producers' prices, although there are neither indirect taxes nor subsidies in Tonga.

**Related national publications:**

## Tonga

| ISIC Industry                             | Number of establishments a/ |           |      |      | Number of employees a/ |      |           |       | Wages and salaries paid a/ to employees |       |      |                    |       |       |       |
|---|-----------------------------|-----------|------|------|------------------------|------|-----------|-------|---|-------|------|--------------------|-------|-------|-------|
|   | Note                        | (numbers) |      |      |                        | Note | (numbers) |       |   |       | Note | (thousand PA'ANGA) |       |       |       |
|   |                             | 1985      | 1990 | 1991 | 1992                   |      | 1985      | 1990  | 1991                                    | 1992  |      | 1985               | 1990  | 1991  | 1992  |
| 311/2 Food Products                       | b/                          | 18        | 20   | 21   | 33                     | b/   | 402       | 297   | 330                                     | 447   | b/   | 473                | 720   | 876   | 1301  |
| 313 Beverages                             | b/                          | ..        | ..   | ..   | ..                     | b/   | ..        | ..    | ..                                      | ..    | b/   | ..                 | ..    | ..    | ..    |
| 314 Tobacco                               | b/                          | ..        | ..   | ..   | ..                     | b/   | ..        | ..    | ..                                      | ..    | b/   | ..                 | ..    | ..    | ..    |
| 321 Textiles                              |                             | 10c/      | 26c/ | 6    | 7                      |      | 175c/     | 387c/ | 119                                     | 121   |      | 164c/              | 759c/ | 239   | 172   |
| 322 Wearing apparel, except footwear      |                             | ..c/      | ..c/ | 11   | 14                     |      | ..c/      | ..c/  | 89                                      | 104   |      | ..c/               | ..c/  | 232   | 218   |
| 323 Leather and fur products              |                             | ..c/      | ..c/ | 6d/  | 6d/                    |      | ..c/      | ..c/  | 106d/                                   | 89d/  |      | ..c/               | ..c/  | 223d/ | 202d/ |
| 324 Footwear, except rubber or plastic    |                             | ..c/      | ..c/ | ..d/ | ..d/                   |      | ..c/      | ..c/  | ..d/                                    | ..d/  |      | ..c/               | ..c/  | ..d/  | ..d/  |
| 331 Wood products, except furniture       |                             | 9e/       | 16e/ | 2    | 4                      |      | 97e/      | 115e/ | 22                                      | 64    |      | 138e/              | 271e/ | 47    | 107   |
| 332 Furniture and fixtures, excl metal    |                             | ..e/      | ..e/ | ..f/ | ..f/                   |      | ..e/      | ..e/  | ..f/                                    | ..f/  |      | ..e/               | e/    | ..f/  | ..f/  |
| 341 Paper and products                    |                             | 6g/       | 5g/  | ..f/ | ..f/                   |      | 98g/      | 117g/ | ..f/                                    | ..f/  |      | 166g/              | 317g/ | ..f/  | ..f/  |
| 342 Printing and publishing               |                             | ..g/      | ..g/ | 4    | 4                      |      | ..g/      | ..g/  | 115                                     | 110   |      | ..g/               | g/    | 396   | 416   |
| 351 Industrial chemicals                  |                             | -         | -    | -    | -                      |      | -         | -     | -                                       | -     |      | -                  | -     | -     | -     |
| 352 Other chemicals                       |                             | 2         | 3    | 3    | 3                      |      | 14        | 14    | 15                                      | 16    |      | 19                 | 54    | 66    | 78    |
| 353 Petroleum refineries                  |                             | -         | -    | -    | -                      |      | -         | -     | -                                       | -     |      | -                  | -     | -     | -     |
| 354 Misc petroleum and coal products      |                             | -         | -    | -    | -                      |      | -         | -     | -                                       | -     |      | -                  | -     | -     | -     |
| 355 Rubber products                       |                             | -         | -    | -    | -                      |      | -         | -     | -                                       | -     |      | -                  | -     | -     | -     |
| 356 Plastic products                      |                             | -         | -    | -    | -                      |      | -         | -     | -                                       | -     |      | -                  | -     | -     | -     |
| 361 Pottery, china, earthenware           | h/                          | 4         | 8    | 8    | 9                      | h/   | 30        | 52    | 48                                      | 53    | h/   | 38                 | 87    | 110   | 76    |
| 362 Glass and products                    | h/                          | ..        | ..   | ..   | ..                     | h/   | ..        | ..    | ..                                      | ..    | h/   | ..                 | ..    | ..    | ..    |
| 369 Other non-metallic mineral products   | h/                          | ..        | ..   | ..   | ..                     | h/   | ..        | ..    | ..                                      | ..    | h/   | ..                 | ..    | ..    | ..    |
| 371 Iron and steel                        |                             | -         | -    | -    | -                      |      | -         | -     | -                                       | -     |      | -                  | -     | -     | -     |
| 372 Non-ferrous metals                    |                             | -         | -    | -    | -                      |      | -         | -     | -                                       | -     |      | -                  | -     | -     | -     |
| 381 Fabricated metal products             |                             | 19i/      | 24i/ | 11   | 10                     |      | 119i/     | 120i/ | 43                                      | 43    |      | 215i/              | 360i/ | 116   | 130   |
| 382 Non-electrical machinery              |                             | ..i/      | ..i/ | 2j/  | 2j/                    |      | ..i/      | ..i/  | 5j/                                     | 6j/   |      | ..i/               | ..i/  | 16j/  | 7j/   |
| 383 Electrical machinery                  |                             | ..i/      | ..i/ | ..j/ | ..j/                   |      | ..i/      | ..i/  | ..j/                                    | ..j/  |      | ..i/               | ..i/  | ..j/  | ..j/  |
| 384 Transport equipment                   |                             | ..i/      | ..i/ | 9    | 6                      |      | ..i/      | ..i/  | 8                                       | 36    |      | ..i/               | ..i/  | 19    | 151   |
| 385 Professional and scientific equipment |                             | -         | -    | -    | -                      |      | -         | -     | -                                       | -     |      | -                  | -     | -     | -     |
| 390 Other manufacturing industries        | k/                          | 3         | 2    | 25f/ | 26f/                   | k/   | 43        | 7     | 98f/                                    | 131f/ | k/   | 41                 | 13    | 241f/ | 387f/ |
| 3 Total manufacturing                     |                             | 71        | 104  | 108  | 124                    |      | 978       | 1109  | 996                                     | 1220  |      | 1244               | 2581  | 2580  | 3244  |

a/ Up to 1991, Tongatapu division only

c/ 321 includes 322, 323 and 324.

e/ 331 includes 332

g/ 341 includes 342

i/ 381 includes 382, 383 and 384.

k/ Including handicrafts undertaken on an establishment basis

b/ 311/2 includes 313 and 314.

d/ 323 includes 324.

f/ 390 includes 332 and 341

h/ 361 includes 362 and 369.

j/ 382 includes 383.

## Tonga

| ISIC Industry                             | Output in producers' prices a/ |                    |        |        | Value added |      |                    |      | Share of value added in output (percentage) |      | Share of wages and salaries in value added (percentage) |      |      |      |
|---|--------------------------------|--------------------|--------|--------|-------------|------|--------------------|------|---|------|---|------|------|------|
|   | Note                           | (thousand PA'ANGA) |        |        |             | Note | (thousand PA'ANGA) |      |   |      | 1985  | 1992 | 1985 | 1992 |
|   |                                | 1985               | 1990   | 1991   | 1992        |      | 1985               | 1990 | 1991  | 1992 |   |      |      |      |
| 311/2 Food Products                       | b/                             | 6836               | 6279   | 7281   | 8242        |      |                    |      |   |      |   |      |      |      |
| 313 Beverages                             | b/                             | ...                | ...    | ...    | ...         |      |                    |      |   |      |   |      |      |      |
| 314 Tobacco                               | b/                             | ...                | ...    | ...    | ...         |      |                    |      |   |      |   |      |      |      |
| 321 Textiles                              |                                | 620c/              | 3351c/ | 513    | 483         |      |                    |      |   |      |   |      |      |      |
| 322 Wearing apparel, except footwear      |                                | ...c/              | ...c/  | 971    | 1847        |      |                    |      |   |      |   |      |      |      |
| 323 Leather and fur products              |                                | ...c/              | ...c/  | 892d/  | 812d/       |      |                    |      |   |      |   |      |      |      |
| 324 Footwear, except rubber or plastic    |                                | ...c/              | ...c/  | ...d/  | ...d/       |      |                    |      |   |      |   |      |      |      |
| 331 Wood products, except furniture       |                                | 393e/              | 715e/  | 268    | 286         |      |                    |      |   |      |   |      |      |      |
| 332 Furniture and fixtures, excl. metal   |                                | ...e/              | ...e/  | ...f/  | ...f/       |      |                    |      |   |      |   |      |      |      |
| 341 Paper and products                    |                                | 937g/              | 1586g/ | f/     | f/          |      |                    |      |   |      |   |      |      |      |
| 342 Printing and publishing               |                                | ...g/              | ...g/  | 1068   | 958         |      |                    |      |   |      |   |      |      |      |
| 351 Industrial chemicals                  |                                | -                  | -      | -      | -           |      |                    |      |   |      |   |      |      |      |
| 352 Other chemicals                       |                                | 513                | 1347   | 2297   | 4696        |      |                    |      |   |      |   |      |      |      |
| 353 Petroleum refineries                  |                                | -                  | -      | -      | -           |      |                    |      |   |      |   |      |      |      |
| 354 Misc. petroleum and coal products     |                                | -                  | -      | -      | -           |      |                    |      |   |      |   |      |      |      |
| 355 Rubber products                       |                                | -                  | -      | -      | -           |      |                    |      |   |      |   |      |      |      |
| 356 Plastic products                      |                                | -                  | -      | -      | -           |      |                    |      |   |      |   |      |      |      |
| 361 Pottery, china, earthenware           | h/                             | 305                | 693    | 650    | 474         |      |                    |      |   |      |   |      |      |      |
| 362 Glass and products                    | h/                             | ...                | ...    | ...    | ...         |      |                    |      |   |      |   |      |      |      |
| 369 Other non-metallic mineral products   | h/                             | ...                | ...    | ...    | ...         |      |                    |      |   |      |   |      |      |      |
| 371 Iron and steel                        |                                | -                  | -      | -      | -           |      |                    |      |   |      |   |      |      |      |
| 372 Non-ferrous metals                    |                                | -                  | -      | -      | -           |      |                    |      |   |      |   |      |      |      |
| 381 Fabricated metal products             |                                | 1320i/             | 1672i/ | 1198   | 1181        |      |                    |      |   |      |   |      |      |      |
| 382 Non-electrical machinery              |                                | ...i/              | ...i/  | 70j/   | 64j/        |      |                    |      |   |      |   |      |      |      |
| 383 Electrical machinery                  |                                | ...i/              | ...i/  | ...j/  | ...j/       |      |                    |      |   |      |   |      |      |      |
| 384 Transport equipment                   |                                | ...i/              | ...i/  | 575    | 476         |      |                    |      |   |      |   |      |      |      |
| 385 Professional and scientific equipment |                                | -                  | -      | -      | -           |      |                    |      |   |      |   |      |      |      |
| 390 Other manufacturing industries        | k/                             | 208                | 65     | 1436f/ | 1641f/      |      |                    |      |   |      |   |      |      |      |
| 3 Total manufacturing                     |                                | 11132              | 15708  | 17219  | 21160       |      |                    |      |   |      |   |      |      |      |

a/ Up to 1991, Tongatapu division only.

c/ 321 includes 322, 323 and 324.

e/ 331 includes 332.

g/ 341 includes 342.

i/ 381 includes 382, 383 and 384.

k/ Including handicrafts undertaken on an establishment basis.

b/ 311/2 includes 313 and 314.

j/ 323 includes 324.

f/ 390 includes 332 and 341.

h/ 361 includes 362 and 369.

/ 382 includes 383.

## Tonga

| ISIC Industry                             | Gross fixed capital formation |                    |      |      |      | Index numbers of industrial production |            |      |      |      |      |      |      |      |      |  |
|---|-------------------------------|--------------------|------|------|------|--|------------|------|------|------|------|------|------|------|------|--|
|   | Note                          | (thousand PA'ANGA) |      |      |      | Note                                   | (1980=100) |      |      |      |      |      |      |      |      |  |
|   |                               | 1985               | 1990 | 1991 | 1992 |  | 1984       | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |  |
| 311/2 Food Products                       |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 313 Beverages                             |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 314 Tobacco                               |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 321 Textiles                              |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 322 Wearing apparel, except footwear      |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 323 Leather and fur products              |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 324 Footwear, except rubber or plastic    |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 331 Wood products, except furniture       |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 332 Furniture and fixtures, excl. metal   |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 341 Paper and products                    |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 342 Printing and publishing               |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 351 Industrial chemicals                  |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 352 Other chemicals                       |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 353 Petroleum refineries                  |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 354 Misc. petroleum and coal products     |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 355 Rubber products                       |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 356 Plastic products                      |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 361 Pottery, china, earthenware           |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 362 Glass and products                    |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 369 Other non-metallic mineral products   |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 371 Iron and steel                        |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 372 Non-ferrous metals                    |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 381 Fabricated metal products             |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 382 Non-electrical machinery              |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 383 Electrical machinery                  |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 384 Transport equipment                   |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 385 Professional and scientific equipment |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 390 Other manufacturing industries        |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |
| 3 Total manufacturing                     |                               | ...                | ...  | ...  | ...  |  | ...        | ...  | ...  | ...  | ...  | ...  | ...  | ...  | ...  |  |

## TRINIDAD AND TOBAGO

**Supplier of information:**

Central Statistical Office, Port-of-Spain.

**Basic source of data:**

Annual survey of establishments

**Major deviations from current version of ISIC:**

Data collected under the national classification system have been reclassified by the national authorities to correspond approximately with the current version of the ISIC.

**Reference period (if not calendar year):**

The reference period is basically the calendar year, but data reported for the financial year is accepted and is incorporated into the calendar year in which the major part of the financial year falls.

**Scope:**

For industries dominated by one or two establishments, the survey covers all activity; for those with several establishments, the coverage accounts for about 70 per cent of employment.

**Method of enumeration:**

Questionnaires distributed by mail with follow-up site visits as required.  
Some questionnaires are hand delivered.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

Number of establishments refers to both producing and distributing units.

Number of employees relates to the last week in November of the reference year.

Wages and salaries includes employers' contributions to pension funds.

**Related national publications:**

Quarterly Economic Report; Annual Statistical Digest; Business Surveys (annual), all published by the Central Statistical Office, Port-of-Spain.

## Trinidad and Tobago

| ISIC Industry                             | Note | Number of establishments |      |      |      | Note  | Number of employees |      |      |      | Note    | Wages and salaries paid to employees |      |      |      |
|---|------|--------------------------|------|------|------|-------|---------------------|------|------|------|---------|--------------------------------------|------|------|------|
|   |      | (numbers)                |      |      |      |       | (thousands)         |      |      |      |         | (million DOLLARS)                    |      |      |      |
|   |      | 1985                     | 1988 | 1989 | 1990 |       | 1985                | 1988 | 1989 | 1990 |         | 1985                                 | 1988 | 1989 | 1990 |
| 311/2 Food Products                       |      | 217                      | 328  |      | 84   | 6.8   | 6.1                 |      | 9.4  |      | 201.4   |                                      |      |      |      |
| 313 Beverages                             |      | 12                       | 13   |      | 13   | 1.9   | 1.7                 |      | 1.7  |      | 53.8    |                                      |      |      |      |
| 314 Tobacco                               |      | 1                        | 1    |      | 1    | 0.4   | 0.4                 |      | 0.3  |      | 23.3    |                                      |      |      |      |
| 321 Textiles                              |      | 21                       | 14   |      | 15   | 0.3   | 0.2                 |      | 0.3  |      | 6.1     | 2.3                                  |      |      |      |
| 322 Wearing apparel, except footwear      |      | 110                      | 101  |      | 139  | 2.6   | 2.1                 |      | 3.0  |      | 37.0    | 26.2                                 |      |      |      |
| 323 Leather and fur products              |      | 6                        |      |      |      |       |                     |      |      |      |         |                                      |      |      |      |
| 324 Footwear, except rubber or plastic    |      | 21                       | 20   |      | 21   | 0.5   | 0.6                 |      | 0.6  |      | 12.9    | 3.8                                  |      |      |      |
| 331 Wood products, except furniture       |      | 274                      |      |      | 50   | 0.8   | 0.7                 |      | 0.6  |      | 12.0    | 10.7                                 |      |      |      |
| 332 Furniture and fixtures, excl. metal   |      |                          |      |      | 258  | 1.2   | 1.2                 |      | 0.9  |      | 16.1    | 3.8                                  |      |      |      |
| 341 Paper and products                    |      | 23                       | 25   |      | 26   | 1.1   | 1.0                 |      | 1.1  |      | 34.2    |                                      |      |      |      |
| 342 Printing and publishing               |      | 149                      | 161  |      | 191  | 1.9   | 1.7                 |      | 1.6  |      | 44.2    |                                      |      |      |      |
| 351 Industrial chemicals                  |      | 65a/                     |      |      |      | 1.5a/ | 1.5a/               |      |      |      | 48.4a/  |                                      |      |      |      |
| 352 Other chemicals                       |      | a/                       | 51   |      | 57   | a/    | a/                  |      | 1.6  |      | a/      |                                      |      |      |      |
| 353 Petroleum refineries                  |      | 2b/                      | 2b/  |      | 1b/  | 3.8b/ | 3.5b/               |      |      |      | 248.3b/ | 241.1b/                              |      |      |      |
| 354 Misc. petroleum and coal products     |      | b/                       | b/   |      | b/   | b/    | b/                  |      |      |      | b/      | b/                                   |      |      |      |
| 355 Rubber products                       |      | 38                       | 22   |      | 18   | 0.6   | 0.6                 |      | 0.6  |      | 38.7    |                                      |      |      |      |
| 356 Plastic products                      |      | 27                       |      |      | 47   | 0.8   | 0.4                 |      | 0.9  |      | 16.9    |                                      |      |      |      |
| 361 Pottery, china, earthenware           |      | 19                       |      |      | 39   |       |                     |      | 0.1  |      | 0.4     |                                      |      |      |      |
| 362 Glass and products                    |      | 116c/                    |      |      | 1    | 2.1c/ | 1.9c/               |      |      |      | 72.7c/  |                                      |      |      |      |
| 369 Other non-metallic mineral products   |      | c/                       |      |      |      | c/    | c/                  |      |      |      | c/      |                                      |      |      |      |
| 371 Iron and steel                        |      | 2d/                      |      |      | 5d/  | 3.2d/ | 3.2d/               |      |      |      | 127.5d/ |                                      |      |      |      |
| 372 Non-ferrous metals                    |      |                          |      |      |      |       |                     |      |      |      |         |                                      |      |      |      |
| 381 Fabricated metal products             |      | d/                       |      |      | d/   | d/    | d/                  |      | 1.7  |      | d/      |                                      |      |      |      |
| 382 Non-electrical machinery              |      |                          |      |      | 10   |       |                     |      | 0.6  |      |         |                                      |      |      |      |
| 383 Electrical machinery                  |      | 45                       |      |      | 18   | 1.0   | 1.1                 |      | 0.6  |      | 29.8    |                                      |      |      |      |
| 384 Transport equipment                   |      | 18                       |      |      | 11   | 2.0   | 1.6                 |      | 3.2  |      | 48.8    |                                      |      |      |      |
| 386 Professional and scientific equipment |      | 51e/                     |      |      |      | 1.0e/ |                     |      |      |      | 16.7e/  |                                      |      |      |      |
| 390 Other manufacturing industries        |      | e/                       |      |      |      | e/    |                     |      |      |      | e/      |                                      |      |      |      |
| 3 Total manufacturing                     | f/g/ | 1217                     | 636  |      | 1215 | f/g/  | 33.5                | 29.5 |      | 28.4 | f/g/    | 1087.2                               |      |      |      |

a/ 351 includes 352.  
 c/ 362 includes 369  
 e/ 386 includes 390  
 g/ Sum of available data

b/ 353 includes 354.  
 d/ 371 includes 381.  
 f/ including repair services for the general public.



## Trinidad and Tobago

| ISIC Industry                             | Note | Output            |          |      |      | Note    | Value added       |      |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-------------------|----------|------|------|---------|-------------------|------|------|------|--------------------------------|------|--|------|
|   |      | (million DOLLARS) |          |      |      |         | (million DOLLARS) |      |      |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985              | 1988     | 1989 | 1990 |         | 1985              | 1988 | 1989 | 1990 | 1985                           | 1990 | 1985                                       | 1990 |
| 311/2 Food Products                       |      | 1156.8            | ...      | ...  | ...  | 325.4   | ...               | ...  | ...  | 28.1 | ...                            | 61.9 | ...  |      |
| 313 Beverages                             |      | 294.5             | ...      | ...  | ...  | 118.8   | ...               | ...  | ...  | 39.7 | ...                            | 46.1 | ...  |      |
| 314 Tobacco                               |      | 144.1             | ...      | ...  | ...  | 118.1   | ...               | ...  | ...  | 82.0 | ...                            | 19.7 | ...  |      |
| 321 Textiles                              |      | 20.0              | 12.9     | ...  | ...  | 5.7     | 5.8               | ...  | ...  | 28.5 | ...                            | 82.6 | ...  |      |
| 322 Wearing apparel, except footwear      |      | 106.2             | 110.2    | ...  | ...  | 44.8    | 41.5              | ...  | ...  | 42.2 | ...                            | ...  | ...  |      |
| 323 Leather and fur products              |      | 0.3               | ...      | ...  | ...  | 0.1     | ...               | ...  | ...  | 33.3 | ...                            | ...  | ...  |      |
| 324 Footwear, except rubber or plastic    |      | 38.1              | 21.6     | ...  | ...  | 16.3    | 8.1               | ...  | ...  | 42.8 | ...                            | 79.1 | ...  |      |
| 331 Wood products, except furniture       |      | 34.9              | 29.9     | ...  | ...  | 15.1    | 10.6              | ...  | ...  | 43.3 | ...                            | 79.6 | ...  |      |
| 332 Furniture and fixtures, excl. metal   |      | 74.6              | 11.9     | ...  | ...  | 23.0    | 4.1               | ...  | ...  | 30.8 | ...                            | 65.7 | ...  |      |
| 341 Paper and products                    |      | 124.8             | ...      | ...  | ...  | 47.1    | ...               | ...  | ...  | 37.7 | ...                            | 72.6 | ...  |      |
| 342 Printing and publishing               |      | 129.8             | ...      | ...  | ...  | 65.0    | ...               | ...  | ...  | 50.1 | ...                            | 68.0 | ...  |      |
| 351 Industrial chemicals                  |      | 211.7a/           | ...      | ...  | ...  | 54.6a/  | ...               | ...  | ...  | 25.8 | ...                            | 88.6 | ...  |      |
| 352 Other chemicals                       |      | ...               | ...      | ...  | ...  | ...     | ...               | ...  | ...  | ...  | ...                            | ...  | ...  |      |
| 353 Petroleum refineries                  |      | 2591.9b/          | 2020.3b/ | ...  | ...  | 69.4b/  | 138.9b/           | ...  | ...  | 2.3  | ...                            | ...  | ...  |      |
| 354 Misc. petroleum and coal products     |      | ...               | ...      | ...  | ...  | ...     | ...               | ...  | ...  | ...  | ...                            | ...  | ...  |      |
| 355 Rubber products                       |      | 67.3              | ...      | ...  | ...  | 34.0    | ...               | ...  | ...  | 50.6 | ...                            | 62.8 | ...  |      |
| 356 Plastic products                      |      | 61.1              | ...      | ...  | ...  | 26.9    | ...               | ...  | ...  | 44.0 | ...                            | ...  | ...  |      |
| 361 Pottery, china, earthenware           |      | 1.5               | ...      | ...  | ...  | 0.7     | ...               | ...  | ...  | 46.7 | ...                            | 67.1 | ...  |      |
| 362 Glass and products                    |      | 107.6c/           | ...      | ...  | ...  | 118.9c/ | ...               | ...  | ...  | ...  | ...                            | 61.1 | ...  |      |
| 369 Other non-metallic mineral products   |      | ...               | ...      | ...  | ...  | ...     | ...               | ...  | ...  | ...  | ...                            | ...  | ...  |      |
| 371 Iron and steel                        |      | 320.4d/           | ...      | ...  | ...  | 37.6d/  | ...               | ...  | ...  | 11.7 | ...                            | ...  | ...  |      |
| 372 Non-ferrous metals                    |      | ...               | ...      | ...  | ...  | ...     | ...               | ...  | ...  | ...  | ...                            | ...  | ...  |      |
| 381 Fabricated metal products             |      | ...               | ...      | ...  | ...  | ...     | ...               | ...  | ...  | ...  | ...                            | ...  | ...  |      |
| 382 Non-electrical machinery              |      | ...               | ...      | ...  | ...  | ...     | ...               | ...  | ...  | ...  | ...                            | ...  | ...  |      |
| 383 Electrical machinery                  |      | 119.6             | ...      | ...  | ...  | 45.7    | ...               | ...  | ...  | 38.2 | ...                            | 65.2 | ...  |      |
| 384 Transport equipment                   |      | 267.4             | ...      | ...  | ...  | 147.3   | ...               | ...  | ...  | 55.1 | ...                            | 33.1 | ...  |      |
| 385 Professional and scientific equipment |      | 56.2e/            | ...      | ...  | ...  | 20.4e/  | ...               | ...  | ...  | 36.3 | ...                            | 77.0 | ...  |      |
| 390 Other manufacturing industries        |      | ...               | ...      | ...  | ...  | ...     | ...               | ...  | ...  | ...  | ...                            | ...  | ...  |      |
| 3 Total manufacturing                     | f/g/ | 5928.8            | ...      | ...  | ...  | 1322.8  | ...               | ...  | ...  | 22.3 | ...                            | 82.2 | ...  |      |

a/ 351 includes 352  
 c/ 362 includes 369  
 e/ 385 includes 390  
 g/ Sum of available data.

b/ 353 includes 354.  
 d/ 371 includes 381  
 f/ Including repair services for the general public.

## Trinidad and Tobago

| ISIC Industry                             | Note | Gross fixed capital formation |        |      |      | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |
|---|------|-------------------------------|--------|------|------|------|--|------|------|------|------|------|------|------|------|
|   |      | (million DOLLARS)             |        |      |      |      | (1980=100)                             |      |      |      |      |      |      |      |      |
|   |      | 1985                          | 1988   | 1989 | 1990 |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      | 55.3                          |        |      |      | 93   | 80                                     | 84   | 83   | 81   | 83   | 82   | 85   | 88   |      |
| 313 Beverages                             |      | 35.9                          |        |      |      | 103  | 92                                     | 94   | 109  | 94   | 117  | 128  | 124  | 114  |      |
| 314 Tobacco                               |      | 3.4                           |        |      |      | 110  | 104                                    | 98   | 91   | 98   | 79   | 78   | 79   | 74   |      |
| 321 Textiles                              |      | 0.2                           |        |      |      | 55   | 43                                     | 63   | 38   | 29   | 33   | 42   | 38   | 39   |      |
| 322 Wearing apparel, except footwear      |      | 3.5                           |        |      |      |      |  |      |      |      |      |      |      |      |      |
| 323 Leather and fur products              |      | 0.1                           |        |      |      |      |  |      |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      | 2.3                           |        |      |      | a/   | 77                                     | 57   | 73   | 106  | 60   | 51   | 50   | 35   |      |
| 331 Wood products, except furniture       |      | 2.4                           |        |      |      | 106  | 51                                     | 49   | 28   | 21   | 27   | 36   | 21   | 24   |      |
| 332 Furniture and fixtures, excl. metal   |      | 3.9                           |        |      |      | 38   | 27                                     | 28   | 24   | 5    | 3    | 2    | 2    | 1    |      |
| 341 Paper and products                    |      | 6.0                           |        |      |      | 62   | 81                                     | 171  | 101  | 59   | 49   | 59   | 55   | 53   |      |
| 342 Printing and publishing               |      | 12.2                          |        |      |      | 91   | 91                                     | 85   | 73   | 70   | 68   | 65   | 72   | 78   |      |
| 351 Industrial chemicals                  |      | 7.5b/                         |        |      |      | 172  | 238                                    | 280  | 271  | 321  | 332  | 337  | 350  | 330  |      |
| 352 Other chemicals                       |      | b/                            |        |      |      | 58   | 69                                     | 86   | 83   | 79   | 81   | 79   | 78   | 75   |      |
| 353 Petroleum refineries                  |      | 7.5c/                         | 10.9c/ |      |      | 42   | 42                                     | 41   | 45   | 41   | 38   | 38   | 35   | 40   |      |
| 354 Misc. petroleum and coal products     |      | c/                            | c/     |      |      |      |  |      |      |      |      |      |      |      |      |
| 355 Rubber products                       |      | 4.5                           |        |      |      |      |  |      |      |      |      |      |      |      |      |
| 356 Plastic products                      |      | 5.6                           |        |      |      | a/   |  |      |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      | 0.3                           |        |      |      |      |  |      |      |      |      |      |      |      |      |
| 362 Glass and products                    |      | 13.8d/                        |        |      |      |      |  |      |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      | d/                            |        |      |      | 131  | 107                                    | 108  | 110  | 105  | 94   | 94   | 107  | 111  |      |
| 371 Iron and steel                        |      | 8.0e/                         |        |      |      |      |  |      |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |      |                               |        |      |      |      |  |      |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      | e/                            |        |      |      | 411  | 402                                    | 674  | 788  | 719  | 733  | 760  | 959  | 1188 |      |
| 382 Non-electrical machinery              |      |                               |        |      |      |      |  |      |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      | 6.9                           |        |      |      | 97   | 63                                     | 47   | 48   | 39   | 32   | 40   | 53   | 53   |      |
| 384 Transport equipment                   |      | 3.4                           |        |      |      | 98   | 67                                     | 63   | 37   | 35   | 27   | 23   | 37   | 30   |      |
| 385 Professional and scientific equipment |      | 2.2f/                         |        |      |      |      |  |      |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      | f/                            |        |      |      | a/   | 79                                     | 72   | 91   | 93   | 91   | 89   | 91   | 101  |      |
| 3 Total manufacturing                     | g/h/ | 184.9                         |        |      |      |      |  |      |      |      |      |      |      |      |      |

a/ 390 includes 323 and 356

c/ 353 includes 354

e/ 371 includes 381

g/ Including repair services for the general public

b/ 351 includes 352

d/ 362 includes 369

f/ 385 includes 390

h/ Sum of available data

## TURKEY

**Supplier of information:**

State Institute of Statistics, Ankara.

Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

**Basic source of data:**

Annual manufacturing survey.

**Major deviations from current version of ISIC:**

National classification scheme follows the current version of the ISIC.

**Reference period (if not calendar year):****Scope:**

All manufacturing establishments in the public sector and manufacturing establishments with 25 or more persons engaged in the private sector. These establishments cover approximately 85 per cent of output.

**Method of enumeration:**

Complete enumeration.

**Adjusted for non-response:**

Yes

**Concepts and definitions of variables:**

**Establishment** is a work-place where single ownership or controlling status is established and generally where one type of economic activity occurs and which has the register and accounting sources necessary to fill in the questionnaires.

**Number of employees** is calculated as the average of the number of production workers and other employees in February, May, August and November. Apprentices are included. Homeworkers are excluded. **Number of persons engaged** relates to the number of employees plus the number of active owners, partners and unpaid family workers active in November.

**Wages and salaries** relates to gross payments made for work done, including bonuses, social security and pension fund premiums and payments in kind.

**Output**, calculated on a shipment basis, covers the value of goods and electricity produced, receipts for services rendered to others, fixed assets produced for own use, sales of goods purchased and resold without further processing, and of miscellaneous receipts. Valuation includes excise and production taxes and any charges for delivery performed by the establishment.

**Value added** is output less the costs of materials and supplies in production (adjusted for the net change in the value of their stocks), products bought and resold without further processing, and payments for industrial work done by others.

**Gross fixed capital formation** represents the value of acquisitions of new and used fixed assets (including produced for own use). Fixed assets are those with an expected productive life of one year or more. Costs of major repairs and other expenditures on fixed assets are included. Sales are not generally deducted.

**Related national publications:**

Turkey

| ISIC Industry                                    | Number of establishments<br>(numbers) |      |      |      |      | Number of employees<br>(thousands) |       |       |       |       | Wage, and salaries paid<br>to employees<br>(billion LIRAS) |       |        |        |        |
|--|---------------------------------------|------|------|------|------|------------------------------------|-------|-------|-------|-------|--|-------|--------|--------|--------|
|  | Note                                  | 1985 | 1989 | 1990 | 1991 | Note                               | 1985  | 1989  | 1990  | 1991  | Note   | 1985  | 1989   | 1990   | 1991   |
| 311/2 Food Products                              |                                       | 801  | 908  | 855  | 822  |                                    | 117.6 | 133.5 | 129.2 | 124.0 |  | 130.0 | 944.6  | 1699.1 | 3810.0 |
| 3111 Slaughtering, preparing & preserving meat   |                                       | 45   | 58   | 59   |      |                                    | 7.5   | 9.0   | 10.4  |       |  | 7.8   | 64.6   | 160.2  |        |
| 3112 Dairy products                              |                                       | 55   | 63   | 60   |      |                                    | 4.0   | 4.9   | 5.1   |       |  | 4.7   | 35.2   | 90.3   |        |
| 3113 Canning, preserving of fruits & vegetables  |                                       | 71   | 83   | 80   |      |                                    | 11.7  | 14.8  | 15.8  |       |  | 9.1   | 64.4   | 139.1  |        |
| 3114 Canning, preserving and processing of fish  |                                       | 9    | 14   | 10   |      |                                    | 0.8   | 1.7   | 1.4   |       |  | 0.6   | 7.1    | 11.7   |        |
| 3115 Vegetable and animal oils and fats          |                                       | 87   | 88   | 79   |      |                                    | 13.0  | 13.5  | 13.0  |       |  | 22.8  | 119.8  | 249.3  |        |
| 3116 Grain mill products                         |                                       | 181  | 174  | 181  |      |                                    | 7.8   | 7.5   | 6.7   |       |  | 11.7  | 37.8   | 71.5   |        |
| 3117 Bakery products                             |                                       | 98   | 112  | 96   |      |                                    | 10.9  | 15.6  | 13.7  |       |  | 17.7  | 89.8   | 209.6  |        |
| 3118 Sugar factories and refineries              |                                       | 22   | 25   | 25   |      |                                    | 28.7  | 26.1  | 25.0  |       |  | 30.3  | 247.4  | 469.0  |        |
| 3119 Cocoa, chocolate and sugar confectionery    |                                       | 42   | 40   | 40   |      |                                    | 3.5   | 4.4   | 4.8   |       |  | 3.4   | 28.6   | 64.4   |        |
| 3121 Other food products                         |                                       | 111  | 145  | 143  |      |                                    | 27.5  | 30.2  | 28.8  |       |  | 27.3  | 207.2  | 345.6  |        |
| 3122 Prepared animal feeds                       |                                       | 104  | 104  | 101  |      |                                    | 5.2   | 5.9   | 5.6   |       |  | 6.7   | 42.7   | 88.5   |        |
| 313 Beverages                                    |                                       | 76   | 79   | 75   | 75   |                                    | 11.9  | 14.0  | 13.9  | 15.0  |  | 17.4  | 123.4  | 265.1  | 603.0  |
| 3131 Distilling, rectifying and blending spirits |                                       | 8    | 10   | 10   |      |                                    | 2.4   | 3.2   | 3.1   |       |  | 3.2   | 28.2   | 58.8   |        |
| 3132 Wine industries                             |                                       | 18   | 15   | 14   |      |                                    | 1.0   | 0.7   | 0.7   |       |  | 1.2   | 8.2    | 16.6   |        |
| 3133 Malt liquors and malt                       |                                       | 9    | 9    | 9    |      |                                    | 3.8   | 3.3   | 3.4   |       |  | 7.2   | 38.4   | 92.9   |        |
| 3134 Soft drinks and carbonated waters           |                                       | 41   | 48   | 42   |      |                                    | 4.7   | 6.8   | 6.7   |       |  | 5.8   | 51.6   | 102.9  |        |
| 314 Tobacco                                      |                                       | 50   | 47   | 50   | 48   |                                    | 43.3  | 35.1  | 32.1  | 32.0  |  | 55.0  | 284.2  | 479.4  | 1100.0 |
| 321 Textiles                                     |                                       | 712  | 741  | 744  | 734  |                                    | 174.3 | 197.9 | 198.0 | 172.0 |  | 193.1 | 1350.0 | 2318.7 | 4890.0 |
| 3211 Spinning, weaving and finishing textiles    |                                       | 461  | 482  | 462  |      |                                    | 145.8 | 158.2 | 156.0 |       |  | 167.0 | 1132.8 | 1927.3 |        |
| 3212 Made-up textile goods excl. wearing apparel |                                       | 41   | 81   | 64   |      |                                    | 4.5   | 11.1  | 11.8  | 19.0  |  | 4.2   | 82.4   | 116.6  |        |
| 3213 Knitting mills                              |                                       | 139  | 168  | 169  | 180  |                                    | 11.4  | 17.8  | 18.9  |       |  | 9.8   | 97.3   | 183.5  |        |
| 3214 Carpets and rugs                            |                                       | 52   | 42   | 41   |      |                                    | 10.3  | 9.9   | 10.4  |       |  | 8.9   | 51.6   | 100.6  |        |
| 3215 Cordage, rope and twine                     |                                       | 6    | 3    | 3    |      |                                    | 0.2   | 0.2   | 0.2   |       |  | 0.3   | 0.9    | 1.7    |        |
| 3219 Other textiles                              |                                       | 13   | 5    | 5    |      |                                    | 1.9   | 0.8   | 0.7   |       |  | 2.9   | 5.1    | 9.0    |        |
| 322 Wearing apparel, except footwear             |                                       | 311  | 669  | 704  | 699  |                                    | 28.5  | 71.4  | 74.3  | 69.0  |  | 19.2  | 323.0  | 593.0  | 1040.0 |
| 323 Leather and fur products                     |                                       | 73   | 55   | 72   | 57   |                                    | 4.5   | 4.8   | 5.1   | 4.0   |  | 3.7   | 23.7   | 45.4   | 53.2   |
| 3231 Tanneries and leather finishing             |                                       | 65   | 48   | 55   | 51   |                                    | 3.9   | 3.1   | 3.4   |       |  | 3.5   | 19.0   | 35.7   |        |
| 3232 Fur dressing and dyeing industries          |                                       | 8    | 7    | 15   |      |                                    | 0.6   | 1.6   | 1.6   |       |  | 0.3   | 0.4    | 0.8    |        |
| 3233 Leather goods excl. wearing apparel         |                                       | 8    | 17   | 15   |      |                                    | 0.6   | 1.6   | 1.6   |       |  | 0.3   | 4.3    | 7.9    |        |
| 324 Footwear, except rubber or plastic           |                                       | 40   | 46   | 52   | 43   |                                    | 5.3   | 5.5   | 6.1   | 6.0   |  | 6.2   | 39.5   | 84.2   | 184.0  |
| 331 Wood products, except furniture              |                                       | 115  | 123  | 120  | 115  |                                    | 12.9  | 13.7  | 13.5  | 12.0  |  | 12.0  | 84.3   | 162.2  | 335.0  |
| 3311 Sawmills, planing and other wood mills      |                                       | 103  | 110  | 114  |      |                                    | 12.2  | 13.2  | 13.4  |       |  | 11.5  | 82.6   | 160.3  |        |
| 3312 Wooden and cane containers                  |                                       | 8    | 4    | 4    |      |                                    | 0.5   | 0.2   | 0.1   |       |  | 0.3   | 0.3    | 0.4    |        |
| 3319 Other wood and cork products                |                                       | 5    | 9    | 4    |      |                                    | 0.3   | 0.4   | 0.2   |       |  | 0.2   | 1.4    | 1.4    |        |
| 332 Furniture and fixtures, excl. metal          |                                       | 54   | 48   | 47   | 48   |                                    | 3.8   | 4.6   | 4.3   | 4.0   |  | 3.2   | 26.3   | 44.3   | 85.6   |
| 341 Paper and products                           |                                       | 88   | 90   | 97   | 92   |                                    | 20.8  | 20.7  | 21.6  | 21.0  |  | 31.1  | 220.4  | 439.8  | 824.0  |
| 3411 Pulp, paper and paperboard articles         |                                       | 24   | 23   | 23   | 23   |                                    | 14.3  | 13.4  | 13.3  | 13.0  |  | 22.0  | 184.2  | 309.1  | 588.0  |
| 3412 Containers of paper and paperboard          |                                       | 42   | 48   | 54   |      |                                    | 5.1   | 5.9   | 6.3   |       |  | 7.4   | 53.2   | 101.1  |        |
| 3419 Other pulp, paper and paperboard articles   |                                       | 22   | 18   | 21   |      |                                    | 1.4   | 1.3   | 2.0   |       |  | 1.8   | 13.0   | 29.7   |        |
| 342 Printing and publishing                      |                                       | 104  | 122  | 120  | 113  |                                    | 11.4  | 13.1  | 13.5  | 12.0  |  | 18.3  | 160.0  | 260.0  | 458.0  |
| 351 Industrial chemicals                         |                                       | 82   | 75   | 72   | 67   |                                    | 32.2  | 31.5  | 31.2  | 29.0  |  | 55.3  | 383.8  | 857.2  | 1970.0 |
| 3511 Basic chemicals excl. fertilizers           |                                       | 43   | 40   | 37   | 34   |                                    | 8.3   | 8.5   | 7.5   | 6.0   |  | 13.0  | 74.0   | 165.2  | 774.0  |
| 3512 Fertilizers and pesticides                  |                                       | 18   | 15   | 19   | 18   |                                    | 10.3  | 8.7   | 9.5   | 9.0   |  | 18.0  | 94.9   | 285.1  | 472.0  |
| 3513 Synthetic resins and plastic materials      |                                       | 21   | 20   | 18   | 15   |                                    | 13.6  | 14.4  | 14.1  | 14.0  |  | 25.2  | 200.2  | 425.8  | 824.0  |
| 352 Other chemicals                              |                                       | 161  | 167  | 174  | 170  |                                    | 21.5  | 25.9  | 27.5  | 26.0  |  | 39.6  | 403.6  | 755.9  | 1480.0 |
| 3521 Paints, varnishes and lacquers              |                                       | 30   | 32   | 35   | 35   |                                    | 3.4   | 3.9   | 4.3   | 4.0   |  | 6.1   | 45.5   | 99.9   | 300.0  |
| 3522 Drugs and medicines                         |                                       | 50   | 59   | 54   | 53   |                                    | 9.9   | 12.5  | 12.5  | 12.0  |  | 19.9  | 203.2  | 377.0  | 704.0  |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |                                       | 43   | 40   | 38   | 35   |                                    | 4.0   | 5.2   | 5.8   | 5.0   |  | 6.0   | 59.0   | 184.5  | 244.0  |
| 3529 Other chemical products                     |                                       | 34   | 35   | 48   | 47   |                                    | 4.2   | 4.2   | 5.0   | 5.0   |  | 7.5   | 55.9   | 114.4  | 233.0  |
| 353 Petroleum refineries                         |                                       | 4    | 5    | 5    | 5    |                                    | 3.7   | 4.9   | 5.0   | 5.0   |  | 10.9  | 105.5  | 186.3  | 418.0  |

|   |      |      |      |      |       |       |       |       |        |        |         |         |       |
|---|------|------|------|------|-------|-------|-------|-------|--------|--------|---------|---------|-------|
| 354 Misc petroleum and coal products            | 28   | 25   | 25   | 27   | 3.9   | 4.6   | 4.9   | 5.0   | 8.2    | 62.0   | 163.0   | 307.0   |       |
| 355 Rubber products                             | 96   | 96   | 96   | 86   | 9.4   | 13.0  | 12.9  | 11.0  | 14.3   | 163.1  | 325.6   | 613.0   |       |
| 3551 Tyres and tubes                            | -    | 5    | 7    | -    | 3.2   | 4.1   | 5.0   | -     | 7.8    | 99.6   | 224.2   | -       |       |
| 3559 Other rubber products                      | 91   | 91   | 89   | -    | 6.3   | 8.9   | 7.9   | -     | 6.5    | 63.7   | 101.2   | -       |       |
| 356 Plastic products                            | 130  | 161  | 175  | 170  | 9.3   | 13.1  | 15.1  | 14.0  | 11.1   | 100.0  | 208.1   | 373.0   |       |
| 361 Pottery, china, earthenware                 | 36   | 27   | 29   | 25   | 11.0  | 10.4  | 13.2  | 11.0  | 20.6   | 96.2   | 225.0   | 356.0   |       |
| 362 Glass and products                          | 34   | 35   | 36   | 39   | 13.4  | 15.2  | 15.1  | 13.0  | 22.9   | 216.9  | 403.8   | 710.0   |       |
| 369 Other non-metallic mineral products         | 377  | 456  | 419  | 416  | 42.7  | 53.0  | 46.7  | 42.0  | 57.4   | 390.6  | 857.7   | 1330.0  |       |
| 3691 Structural clay products                   | 252  | 299  | 261  | -    | 17.2  | 24.1  | 17.6  | -     | 11.2   | 103.7  | 137.8   | -       |       |
| 3692 Cement, lime and plaster                   | 55   | 66   | 65   | -    | 16.7  | 18.7  | 18.6  | -     | 33.3   | 209.8  | 368.8   | -       |       |
| 3699 Other non-metallic mineral products        | 70   | 91   | 93   | -    | 8.8   | 10.3  | 9.6   | -     | 12.9   | 77.1   | 151.1   | -       |       |
| 371 Iron and steel                              | 203  | 204  | 185  | 176  | 56.4  | 61.6  | 62.3  | 58.0  | 103.1  | 619.0  | 1544.1  | 3760.0  |       |
| 372 Non-ferrous metals                          | 74   | 92   | 81   | 83   | 21.0  | 21.5  | 20.1  | 16.0  | 31.4   | 236.3  | 387.6   | 717.0   |       |
| 381 Fabricated metal products                   | 365  | 369  | 389  | 366  | 36.9  | 37.7  | 40.4  | 37.0  | 51.2   | 310.3  | 589.8   | 1110.0  |       |
| 3811 Cutlery, hand tools and general hardware   | 86   | 98   | 100  | -    | 8.4   | 8.9   | 10.1  | -     | 9.1    | 67.3   | 138.4   | -       |       |
| 3812 Furniture and fixtures primarily of metal  | 31   | 34   | 36   | -    | 2.0   | 2.3   | 2.0   | -     | 1.6    | 11.4   | 18.1    | -       |       |
| 3813 Structural metal products                  | 13   | 82   | 92   | 83   | 7.2   | 7.1   | 7.9   | 7.0   | 11.4   | 57.9   | 111.7   | 219.0   |       |
| 3819 Other fabricated metal products            | 175  | 155  | 161  | -    | 19.3  | 19.3  | 20.4  | -     | 28.1   | 173.6  | 321.6   | -       |       |
| 382 Non-electrical machinery                    | 322  | 333  | 326  | 299  | 49.1  | 50.9  | 51.3  | 45.0  | 79.7   | 498.3  | 913.2   | 1760.0  |       |
| 3821 Engines and turbines                       | 9    | 6    | 8    | 5    | 2.5   | 2.1   | 1.9   | 2.0   | 4.4    | 23.3   | 39.3    | 76.4    |       |
| 3822 Agricultural machinery and equipment       | 58   | 48   | 48   | 44   | 10.2  | 8.0   | 9.2   | 9.0   | 14.8   | 89.7   | 179.6   | 308.0   |       |
| 3823 Metal and wood working machinery           | 35   | 37   | 45   | 34   | 4.0   | 3.7   | 3.9   | 3.3   | 6.3    | 32.3   | 66.6    | 114.0   |       |
| 3824 Other special industrial machinery         | 77   | 77   | 70   | 66   | 10.7  | 7.9   | 7.7   | 7.0   | 18.4   | 66.6   | 118.4   | 226.0   |       |
| 3825 Office, computing and accounting machinery | 8    | 6    | 6    | 6    | 0.8   | 0.4   | 0.4   | -     | 1.0    | 3.1    | 7.1     | 12.4    |       |
| 3829 Other non-electrical machinery & equipment | 135  | 159  | 151  | 144  | 21.1  | 28.0  | 28.3  | 26.0  | 34.8   | 284.3  | 603.3   | 1030.0  |       |
| 383 Electrical machinery                        | 226  | 240  | 252  | 238  | 36.9  | 40.4  | 46.1  | 44.0  | 63.2   | 422.6  | 911.3   | 1840.0  |       |
| 3831 Electrical industrial machinery            | 72   | 70   | 72   | 65   | 12.0  | 10.4  | 12.4  | 10.0  | 20.7   | 109.7  | 237.6   | 412.0   |       |
| 3832 Radio, television and communication equipm | 35   | 49   | 61   | 63   | 10.8  | 15.6  | 18.1  | 18.0  | 21.8   | 180.8  | 407.8   | 901.0   |       |
| 3833 Electrical appliances and housewares       | 26   | 31   | 36   | 35   | 1.6   | 2.4   | 2.9   | 3.0   | 1.6    | 16.7   | 35.1    | 66.2    |       |
| 3839 Other electrical apparatus and supplies    | 93   | 90   | 93   | 85   | 12.4  | 11.9  | 12.7  | 12.0  | 19.2   | 115.4  | 230.9   | 468.0   |       |
| 384 Transport equipment                         | 211  | 209  | 209  | 215  | 55.4  | 58.0  | 63.3  | 64.0  | 87.7   | 597.7  | 1377.4  | 2790.0  |       |
| 3841 Shipbuilding and repairing                 | 19   | 19   | 19   | 19   | 6.9   | 5.4   | 5.6   | 5.0   | 10.2   | 66.0   | 124.1   | 265.0   |       |
| 3842 Railroad equipment                         | 4    | 4    | 4    | 4    | 10.8  | 9.3   | 8.7   | 8.0   | 13.8   | 70.0   | 164.6   | 337.0   |       |
| 3843 Motor vehicles                             | 178  | 178  | 179  | 184  | 36.0  | 40.3  | 46.7  | 47.0  | 61.1   | 416.6  | 1003.1  | 2010.0  |       |
| 3844 Motorcycles and bicycles                   | 8    | 5    | 5    | 6    | 1.6   | 0.9   | 0.9   | -     | 2.6    | 7.9    | 17.4    | -       |       |
| 3845 Aircraft                                   | -    | 2    | 2    | 2    | -     | 2.1   | 2.3   | -     | -      | 38.3   | 78.2    | -       |       |
| 3849 Other transport equipment                  | 2    | 1    | -    | -    | 0.1   | -     | -     | -     | -      | -      | -       | -       |       |
| 385 Professional and scientific equipment       | b/   | 35   | 37   | 38   | b/    | 2.1   | 4.1   | 4.5   | b/     | 1.8    | 36.0    | 74.0    | 162.0 |
| 3851 Prof and scientific equipment n e c        | 15   | 15   | 15   | 19   | 1.0   | 2.8   | 3.0   | 3.0   | 1.0    | 27.8   | 65.6    | 119.0   |       |
| 3852 Photographic and optical goods             | 8    | 9    | 12   | 13   | 0.4   | 0.4   | 0.6   | -     | 0.3    | 1.6    | 5.6     | 20.2    |       |
| 3853 Watches and clocks                         | 4    | 2    | -    | -    | 0.2   | 0.1   | -     | -     | 0.2    | 0.2    | -       | -       |       |
| 390 Other manufacturing industries              | 57   | 60   | 60   | 55   | 4.5   | 4.8   | 4.7   | 4.0   | 4.3    | 29.2   | 64.1    | 90.4    |       |
| 3901 Jewellery and related articles             | 8    | 8    | 9    | 8    | 0.6   | 0.6   | 0.7   | 1.0   | 0.3    | 1.6    | 3.8     | 6.9     |       |
| 3902 Musical instruments                        | 1    | -    | -    | -    | -     | -     | -     | -     | -      | -      | -       | -       |       |
| 3903 Sporting and athletic goods                | -    | 2    | 1    | -    | -     | 0.1   | -     | -     | -      | 0.1    | 0.1     | -       |       |
| 3909 Manufacturing industries, n e c            | 46   | 50   | 50   | -    | 4.0   | 4.2   | 4.0   | -     | 4.0    | 27.5   | 60.2    | -       |       |
| 3 Total manufacturing                           | 1868 | 5529 | 6508 | 6330 | 843.6 | 965.9 | 975.2 | 901.0 | 1163.2 | 8430.4 | 16425.3 | 32700.0 |       |

a/ Number of persons engaged

b/ Including data not shown at the detailed industry level

## Turkey

## Output in producers' prices

(billion LIRAS)

| ISIC Industry                                    | Note | Output in producers' prices<br>(billion LIRAS) |         |         |         |
|--|------|--|---------|---------|---------|
|  |      | 1985   | 1989    | 1990    | 1991    |
| 311/2 Food Products                              |      | 2189.8   | 14930.1 | 23187.9 | 41863.9 |
| 3111 Slaughtering, preparing & preserving meat   |      | 118.3  | 984.6   | 1931.9  |         |
| 3112 Dairy products                              |      | 61.5   | 572.2   | 1017.6  |         |
| 3113 Canning, preserving of fruits & vegetables  |      | 174.4  | 1417.0  | 2242.0  |         |
| 3114 Canning, preserving and processing of fish  |      | 15.5   | 122.1   | 189.3   |         |
| 3115 Vegetable and animal oils and fats          |      | 473.2  | 2915.7  | 3996.1  |         |
| 3116 Grain mill products                         |      | 249.7  | 1377.1  | 1841.0  |         |
| 3117 Bakery products                             |      | 164.9  | 1349.5  | 2040.6  |         |
| 3118 Sugar factories and refineries              |      | 307.7  | 1979.5  | 3871.6  |         |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 46.5   | 364.8   | 635.3   |         |
| 3121 Other food products                         |      | 408.2  | 2658.6  | 3829.8  |         |
| 3122 Prepared animal feeds                       |      | 169.9  | 1189.1  | 1612.7  |         |
| 313 Beverages                                    |      | 252.8  | 2189.7  | 3833.6  | 7691.2  |
| 3131 Distilling, rectifying and blending spirits |      | 119.1  | 918.2   | 1343.0  |         |
| 3132 Wine industries                             |      | 9.7  | 58.5    | 95.0    |         |
| 3133 Malt liquors and malt                       |      | 69.5   | 510.1   | 982.8   |         |
| 3134 Soft drinks and carbonated waters           |      | 54.5   | 702.9   | 1412.7  |         |
| 314 Tobacco                                      |      | 677.0  | 3426.9  | 5516.5  | 10927.5 |
| 321 Textiles                                     |      | 1876.6   | 13683.7 | 20594.0 | 32743.4 |
| 3211 Spinning, weaving and finishing textiles    |      | 1505.0   | 11206.8 | 16429.5 |         |
| 3212 Made-up textile goods excl. wearing apparel |      | 42.2   | 696.4   | 1260.0  |         |
| 3213 Knitting mills                              |      | 147.4  | 1232.3  | 2078.1  | 3824.4  |
| 3214 Carpets and rugs                            |      | 77.9   | 476.8   | 735.5   |         |
| 3215 Cordage, rope and twine                     |      | 3.0  | 7.0     | 9.5     |         |
| 3219 Other textiles                              |      | 101.1  | 64.4    | 81.4    |         |
| 322 Wearing apparel, except footwear             |      | 275.1  | 4878.0  | 7856.0  | 13218.4 |
| 323 Leather and fur products                     |      | 66.5   | 419.5   | 566.8   | 709.6   |
| 3231 Tanneries and leather finishing             |      | 59.5   | 297.8   | 409.2   |         |
| 3232 Fur dressing and dyeing industries          |      | -  | 8.2     | 14.6    |         |
| 3233 Leather goods excl. wearing apparel         |      | 7.0  | 113.5   | 143.0   |         |
| 324 Footwear, except rubber or plastic           |      | 37.2   | 284.0   | 582.3   | 1011.5  |
| 331 Wood products, except furniture              |      | 121.3  | 925.0   | 1561.9  | 2440.3  |
| 3311 Sawmills, planing and other wood mills      |      | 117.1  | 909.1   | 1546.6  |         |
| 3312 Wooden and cane containers                  |      | 2.5  | 5.3     | 3.0     |         |
| 3319 Other wood and cork products                |      | 1.7  | 10.6    | 12.3    |         |
| 332 Furniture and fixtures, excl. metal          |      | 51.5   | 291.1   | 501.8   | 756.4   |
| 341 Paper and products                           |      | 357.4  | 2348.4  | 3522.4  | 5342.6  |
| 3411 Pulp, paper and paperboard articles         |      | 247.6  | 1465.1  | 1923.5  | 3071.5  |
| 3412 Containers of paper and paperboard          |      | 89.7   | 727.2   | 1148.5  |         |
| 3419 Other pulp, paper and paperboard articles   |      | 20.1   | 156.1   | 450.4   |         |
| 342 Printing and publishing                      |      | 152.6  | 1187.0  | 2232.0  | 3968.5  |
| 351 Industrial chemicals                         |      | 958.5  | 7244.1  | 9766.8  | 14694.2 |
| 3511 Basic chemicals excl. fertilizers           |      | 178.7  | 1045.7  | 1158.7  | 1651.6  |
| 3512 Fertilizers and pesticides                  |      | 409.4  | 2197.1  | 3581.5  | 6082.3  |
| 3513 Synthetic resins and plastic materials      |      | 370.4  | 4001.3  | 5026.6  | 6960.4  |
| 352 Other chemicals                              |      | 535.0  | 5887.9  | 8666.1  | 14648.7 |
| 3521 Paints, varnishes and lacquers              |      | 90.6   | 987.7   | 1537.4  | 2426.0  |
| 3522 Drugs and medicines                         |      | 233.1  | 2597.4  | 4081.3  | 7160.9  |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 133.3  | 1566.2  | 1977.5  | 3397.0  |
| 3529 Other chemical products                     |      | 78.0   | 736.6   | 1069.9  | 1664.8  |
| 353 Petr. leum refineries                        |      | 2891.3   | 13513.3 | 23676.1 | 34743.1 |

## Value added in producers' prices

(billion LIRAS)

| ISIC Industry                                    | Note | Value added in producers' prices<br>(billion LIRAS) |        |         |         | Share of value added in output<br>(percentage) |      | Share of wages and salaries in value added<br>(percentage) |      |
|--|------|---|--------|---------|---------|--|------|--|------|
|  |      | 1985  | 1989   | 1990    | 1991    | 1985   | 1991 | 1985   | 1991 |
| 311/2 Food Products                              |      | 508.1   | 4245.0 | 6628.5  | 13721.7 | 23.2   | 32.8 | 26.6   | 27.8 |
| 3111 Slaughtering, preparing & preserving meat   |      | 28.6  | 201.7  | 457.5   |         | 24.2   |      | 27.1   |      |
| 3112 Dairy products                              |      | 20.3  | 189.5  | 311.6   |         | 33.0   |      | 23.0   |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 42.3  | 477.9  | 770.2   |         | 24.3   |      | 21.6   |      |
| 3114 Canning, preserving and processing of fish  |      | 4.2   | 46.0   | 63.6    |         | 27.1   |      | 13.5   |      |
| 3115 Vegetable and animal oils and fats          |      | 113.4   | 842.1  | 1321.6  |         | 24.0   |      | 20.1   |      |
| 3116 Grain mill products                         |      | 35.0  | 230.1  | 254.2   |         | 14.0   |      | 19.1   |      |
| 3117 Bakery products                             |      | 41.6  | 446.2  | 725.2   |         | 25.2   |      | 28.0   |      |
| 3118 Sugar factories and refineries              |      | 93.1  | 682.7  | 1227.6  |         | 30.3   |      | 32.5   |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 12.4  | 205.4  | 205.4   |         | 26.7   |      | 27.8   |      |
| 3121 Other food products                         |      | 98.2  | 835.3  | 1034.4  |         | 24.1   |      | 27.8   |      |
| 3122 Prepared animal feeds                       |      | 19.0  | 178.1  | 257.4   |         | 11.2   |      | 30.0   |      |
| 313 Beverages                                    |      | 172.5   | 1323.7 | 2330.0  | 4698.2  | 66.2   | 61.1 | 10.1   | 12.8 |
| 3131 Distilling, rectifying and blending spirits |      | 100.8   | 729.6  | 1039.7  |         | 84.6   |      | 3.2  |      |
| 3132 Wine industries                             |      | 6.5   | 27.5   | 33.2    |         | 56.7   |      | 22.2   |      |
| 3133 Malt liquors and malt                       |      | 43.6  | 321.1  | 643.6   |         | 62.7   |      | 16.5   |      |
| 3134 Soft drinks and carbonated waters           |      | 22.6  | 245.6  | 613.6   |         | 41.5   |      | 25.6   |      |
| 314 Tobacco                                      |      | 458.0   | 1821.5 | 3048.1  | 6327.0  | 67.7   | 67.9 | 12.0   | 17.4 |
| 321 Textiles                                     |      | 672.7   | 4921.8 | 9404.4  | 14125.4 | 35.8   | 43.1 | 28.7   | 34.6 |
| 3211 Spinning, weaving and finishing textiles    |      | 555.0   | 4079.3 | 6723.0  |         | 36.9   |      | 30.1   |      |
| 3212 Made-up textile goods excl. wearing apparel |      | 10.1  | 219.1  | 513.5   |         | 23.9   |      | 41.2   |      |
| 3213 Knitting mills                              |      | 35.0  | 415.6  | 763.8   | 1363.2  | 23.7   | 35.6 | 28.1   | 24.8 |
| 3214 Carpets and rugs                            |      | 30.6  | 181.8  | 382.7   |         | 39.2   |      | 29.1   |      |
| 3215 Cordage, rope and twine                     |      | 0.9   | 2.7    | 3.3     |         | 30.0   |      | 36.0   |      |
| 3219 Other textiles                              |      | 41.2  | 23.3   | 28.1    |         | 40.8   |      | 7.1  |      |
| 322 Wearing apparel, except footwear             |      | 76.4  | 1434.0 | 2471.0  | 4313.3  | 27.7   | 32.6 | 26.2   | 24.1 |
| 323 Leather and fur products                     |      | 19.2  | 138.6  | 155.2   | 221.6   | 28.9   | 31.2 | 19.5   | 24.0 |
| 3231 Tanneries and leather finishing             |      | 15.4  | 101.2  | 105.2   |         | 27.6   |      | 21.1   |      |
| 3232 Fur dressing and dyeing industries          |      | -   | 1.6    | 3.4     |         | -  |      | -  |      |
| 3233 Leather goods excl. wearing apparel         |      | 2.8   | 35.9   | 47.0    |         | 40.0   |      | 10.1   |      |
| 324 Footwear, except rubber or plastic           |      | 11.7  | 103.3  | 179.8   | 396.6   | 31.5   | 39.2 | 53.2   | 41.4 |
| 331 Wood products, except furniture              |      | 33.4  | 300.6  | 488.9   | 754.9   | 27.5   | 30.9 | 36.0   | 44.5 |
| 3311 Sawmills, planing and other wood mills      |      | 32.0  | 294.8  | 483.0   |         | 27.3   |      | 36.0   |      |
| 3312 Wooden and cane containers                  |      | 0.8   | 1.7    | 1.0     |         | 32.0   |      | 38.0   |      |
| 3319 Other wood and cork products                |      | 0.6   | 4.1    | 4.9     |         | 35.3   |      | 33.6   |      |
| 332 Furniture and fixtures, excl. metal          |      | 28.9  | 120.5  | 211.0   | 372.9   | 55.7   | 49.3 | 11.0   | 23.0 |
| 341 Paper and products                           |      | 125.6   | 901.0  | 1459.0  | 2321.6  | 35.1   | 43.5 | 24.8   | 35.5 |
| 3411 Pulp, paper and paperboard articles         |      | 90.3  | 600.6  | 816.6   | 1456.9  | 36.5   | 47.8 | 24.1   | 40.1 |
| 3412 Containers of paper and paperboard          |      | 28.6  | 245.8  | 455.4   |         | 31.9   |      | 25.8   |      |
| 3419 Other pulp, paper and paperboard articles   |      | 6.7   | 53.6   | 187.0   |         | 33.3   |      | 26.9   |      |
| 342 Printing and publishing                      |      | 69.2  | 486.0  | 1133.0  | 1804.2  | 45.3   | 45.5 | 26.5   | 25.4 |
| 351 Industrial chemicals                         |      | 238.6   | 2714.6 | 3956.7  | 6516.0  | 24.9   | 37.5 | 23.6   | 28.5 |
| 3511 Basic chemicals excl. fertilizers           |      | 75.2  | 345.8  | 501.8   | 811.9   | 42.1   | 49.2 | 17.3   | 33.7 |
| 3512 Fertilizers and pesticides                  |      | 72.0  | 614.2  | 1076.9  | 2387.2  | 17.5   | 39.2 | 25.0   | 19.8 |
| 3513 Synthetic resins and plastic materials      |      | 91.4  | 1754.6 | 2378.0  | 2316.9  | 24.7   | 33.3 | 27.6   | 35.6 |
| 352 Other chemicals                              |      | 205.8   | 2280.9 | 3778.9  | 6733.8  | 38.5   | 46.0 | 19.2   | 22.0 |
| 3521 Paints, varnishes and lacquers              |      | 30.5  | 241.1  | 511.3   | 759.2   | 33.7   | 31.3 | 20.0   | 39.5 |
| 3522 Drugs and medicines                         |      | 97.4  | 1080.6 | 1930.5  | 3780.1  | 41.8   | 52.5 | 20.4   | 18.7 |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 46.6  | 626.1  | 879.6   | 1450.9  | 35.0   | 42.7 | 12.8   | 16.8 |
| 3529 Other chemical products                     |      | 31.3  | 333.1  | 457.5   | 783.5   | 40.1   | 45.9 | 24.3   | 30.5 |
| 353 Petr. leum refineries                        |      | 790.3   | 6371.7 | 11805.2 | 19047.6 | 27.3   | 64.8 | 1.4  | 2.2  |

|   |         |          |          |          |        |         |         |          |      |      |      |      |
|---|---------|----------|----------|----------|--------|---------|---------|----------|------|------|------|------|
| 354 Misc petroleum and coal products            | 537 0   | 4842 0   | 7102 0   | 8350 4   | 79.3   | 622 0   | 1194 0  | 1618 8   | 14 8 | 18 2 | 10 4 | 20 2 |
| 355 Rubber products                             | 209 9   | 1702 9   | 2370 6   | 4378 2   | 78.7   | 764 7   | 1179 6  | 2061 7   | 37 5 | 46 9 | 18 2 | 29 9 |
| 3551 Tyres and tubes                            | 148 0   | 1140 3   | 1622 6   |          | 55.4   | 633 2   | 845 0   |          | 37 4 |      | 14 1 |      |
| 3559 Other rubber products                      | 61 9    | 562 6    | 748 0    |          | 23.3   | 231 5   | 334 6   |          | 37.6 |      | 27 9 |      |
| 356 Plastic products                            | 156 0   | 1346 8   | 2537 6   | 4103 5   | 39.8   | 392 7   | 855 8   | 1529 8   | 25 7 | 37 3 | 27 9 | 24 4 |
| 361 Pottery, china, earthenware                 | 93 8    | 780 5    | 1835 3   | 2953 3   | 53.4   | 494 9   | 1216 7  | 1961 6   | 56 9 | 66 4 | 38 6 | 18 1 |
| 362 Glass and products                          | 183 0   | 1474 0   | 2405 1   | 3304 0   | 87.4   | 838 8   | 1384 3  | 1779 6   | 47 8 | 63 9 | 26 2 | 39 9 |
| 369 Other non-metallic mineral products         | 540 9   | 4049 9   | 6428 3   | 10086 9  | 223.5  | 1951 6  | 3560 4  | 5385 7   | 41 3 | 53 4 | 25 7 | 24 7 |
| 3691 Structural clay products                   | 77 8    | 740 9    | 616 6    |          | 32.6   | 406 5   | 308 6   |          | 41 9 |      | 34 3 |      |
| 3692 Cement, lime and plaster                   | 368 5   | 2764 7   | 4969 4   |          | 141.3  | 1297 7  | 2842 4  |          | 38 3 |      | 23 6 |      |
| 3699 Other non-metallic mineral products        | 94 6    | 544 3    | 843 3    |          | 49.6   | 248 4   | 409 4   |          | 52 4 |      | 26 0 |      |
| 371 Iron and steel                              | 1566 0  | 12197 4  | 15264 0  | 24592 9  | 383.2  | 3726 4  | 3660 2  | 7477 6   | 24 6 | 30 4 | 26 9 | 50 3 |
| 372 Non-ferrous metals                          | 367 6   | 3031 3   | 4060 6   | 4710 5   | 94.7   | 1133 8  | 1514 0  | 1758 9   | 25 8 | 37 3 | 33 2 | 40 8 |
| 381 Fabricated metal products                   | 430 4   | 3195 1   | 5314 0   | 8873 5   | 179.7  | 1361 1  | 2357 4  | 4030 7   | 41 8 | 45 4 | 28 5 | 27 5 |
| 3811 Cutlery, hand tools and general hardware   | 78 9    | 645 7    | 1149 7   |          | 35.3   | 303 0   | 549 2   |          | 42 2 |      | 27 2 |      |
| 3812 Furniture and fixtures primarily of metal  | 22 2    | 127 1    | 167 5    |          | 8 0    | 44 1    | 57 4    |          | 36 0 |      | 19 7 |      |
| 3813 Structural metal products                  | 85 5    | 517 1    | 1024 7   | 1651 5   | 37 3   | 212 8   | 462 4   | 701 6    | 43 6 | 42 5 | 30 7 | 31 2 |
| 3819 Other fabricated metal products            | 243 8   | 1906 2   | 2972 1   |          | 101 1  | 801 2   | 1288 4  |          | 41 6 |      | 28 8 |      |
| 382 Non-electrical machinery                    | 746 6   | 4327 7   | 8667 6   | 15083 3  | 237.9  | 1842 0  | 3711 4  | 6791 8   | 31 9 | 38 4 | 33 5 | 30 4 |
| 3821 Engines and turbines                       | 35 1    | 154 6    | 290 5    | 229 1    | 12 7   | 76 7    | 138 8   | 117 1    | 35 2 | 51 1 | 34 4 | 65 2 |
| 3822 Agricultural machinery and equipment       | 204 7   | 756 4    | 1602 3   | 1979 0   | 47 6   | 197 1   | 563 1   | 678 4    | 23 3 | 29 2 | 31 0 | 53 3 |
| 3823 Metal and wood working machinery           | 32 3    | 162 4    | 294 9    | 394 7    | 16 0   | 79 6    | 146 7   | 220 0    | 49 6 | 55 7 | 39 7 | 61 8 |
| 3824 Other special industrial machinery         | 94 8    | 400 4    | 645 7    | 1140 5   | 38 7   | 132 6   | 290 1   | 530 9    | 40 8 | 46 3 | 47 5 | 42 6 |
| 3825 Office, computing and accounting machinery | 6 0     | 25 4     | 72 8     | 100 2    | 2 9    | 11 4    | 35 4    | 41 7     | 48 3 | 41 6 | 34 9 | 29 7 |
| 3829 Other non-electrical machinery & equipment | 373 7   | 2828 5   | 5761 4   | 11233 8  | 120 0  | 1344 6  | 2537 3  | 4303 6   | 32 1 | 38 3 | 29 0 | 23 9 |
| 383 Electrical machinery                        | 764 7   | 4689 0   | 9271 9   | 17743 3  | 277.0  | 1876 5  | 3856 3  | 7648 2   | 36 2 | 43 1 | 22 8 | 24 1 |
| 3831 Electrical industrial machinery            | 164 2   | 947 4    | 1629 7   | 3326 5   | 70 3   | 398 1   | 772 1   | 1671 2   | 42 8 | 50 2 | 29 4 | 24 7 |
| 3832 Radio, television and communication equipm | 373 4   | 2160 5   | 4687 3   | 9429 2   | 124 2  | 921 3   | 1957 2  | 4236 4   | 33 3 | 44 9 | 17 6 | 21 3 |
| 3833 Electrical appliances and housewares       | 16 6    | 224 1    | 678 7    | 950 2    | 4 6    | 87 1    | 345 2   | 297 2    | 27 7 | 31 3 | 32 9 | 21 9 |
| 3839 Other electrical apparatus and supplies    | 210 5   | 1357 0   | 2278 2   | 4037 4   | 77 9   | 470 0   | 791 8   | 1443 4   | 37 0 | 35 8 | 24 7 | 32 3 |
| 384 Transport equipment                         | 847 3   | 6190 1   | 12442 4  | 22561 8  | 278.7  | 2202 8  | 4545 9  | 8869 7   | 32 9 | 39 3 | 31 5 | 31 5 |
| 3841 Shipbuilding and repairing                 | 24 0    | 210 8    | 363 8    | 642 6    | 13 3   | 120 4   | 194 3   | 401 6    | 55 4 | 62 5 | 76 4 | 63 5 |
| 3842 Railroad equipment                         | 49 0    | 147 9    | 325 5    | 658 3    | 21 8   | 50 2    | 196 3   | 457 5    | 44 5 | 60 5 | 63 1 | 70 7 |
| 3843 Motor vehicles                             | 752 2   | 5570 2   | 11470 8  | 20413 2  | 237 3  | 1913 0  | 4033 6  | 7631 8   | 31 5 | 37 4 | 25 8 | 26 3 |
| 3844 Motorcycles and bicycles                   | 21 6    | 80 7     | 151 8    |          | 6 2    | 37 9    | 68 4    |          | 28 7 |      | 41 8 |      |
| 3845 Aircraft                                   |         | 160 5    | 130 5    |          |        | 81 3    | 53 3    |          |      |      |      |      |
| 3849 Other transport equipment                  | 0 5     |          |          |          | 0 1    |         |         |          | 20 0 |      | 49 0 |      |
| 385 Professional and scientific equipment       | 12 9    | 249 0    | 441 0    | 785 1    | a/     | 4 7     | 123 0   | 227 0    | 36 4 | 49 9 | 37 9 | 38 8 |
| 3851 Prof and scientific equipment n e c        | 6 3     | 162 4    | 270 2    | 430 7    |        | 2 2     | 77 8    | 140 5    | 34 9 | 54 4 | 46 3 | 50 7 |
| 3852 Photographic and optical goods             | 2 1     | 12 7     | 49 2     | 195 5    |        | 1 3     | 5 4     | 26 8     | 61 9 | 48 4 | 24 4 | 21 3 |
| 3853 Watches and clocks                         | 2 0     | 3 4      |          |          |        | 0 6     | 0 7     |          | 30 0 |      | 31 7 |      |
| 390 Other manufacturing industries              | 49 8    | 260 2    | 410 8    | 657 9    | 25 3   | 121 7   | 217 4   | 314 0    | 50 8 | 47 7 | 16 9 | 28 8 |
| 3901 Jewellery and related articles             | 3 4     | 21 5     | 41 0     | 65 7     |        | 1 4     | 9 5     | 16 0     | 41 2 | 48 4 | 18 6 | 21 7 |
| 3902 Musical instruments                        |         |          |          |          |        |         |         |          |      |      |      |      |
| 3903 Sporting and athletic goods                |         |          |          |          |        |         |         |          |      |      |      |      |
| 3909 Manufacturing industries, n e c            | 46 4    | 238 7    | 369 8    |          | 23 9   | 112 2   | 201 4   |          | 51 5 |      | 16 8 |      |
| 3 Total manufacturing                           | 16948 9 | 119545 6 | 190595 3 | 312944 0 | 5453 7 | 44515 2 | 75540 4 | 130865 0 | 32 2 | 41 8 | 21 1 | 25 0 |

a/ Including data not shown at the detailed industry level

## Turkey

| ISIC Industry                             | Note | Gross fixed capital formation |        |         |         | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|--------|---------|---------|------|--|------|------|------|------|------|------|------|
|   |      | (billion LIRAS)               |        |         |         |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1989   | 1990    | 1991    |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      | 66 9                          | 335 0  | 546 0   | 1047 5  | 161  | 157                                    | 159  | 178  | 182  | 190  | 198  | 212  | 210  |
| 313 Beverages                             |      | 21 4                          | 35 0   | 95 0    | 154 7   | 136  | 121                                    | 128  | 145  | 163  | 186  | 201  | 211  | 230  |
| 314 Tobacco                               |      | 7                             | 13 0   | 52 0    | 60 7    | 166  | 166                                    | 136  | 132  | 138  | 146  | 154  | 174  | 167  |
| 321 Textiles                              |      | 306 2                         | 1126 0 | 1866 0  | 1917 5  | 162  | 173                                    | 190  | 209  | 216  | 226  | 231  | 210  | 221  |
| 322 Wearing apparel, except footwear      |      | 13 0                          | 120 0  | 173 0   | 339 0   |      |  |      |      |      |      |      |      |      |
| 323 Leather and fur products              |      | 1 6                           | 8 0    | 30 0    | 17 3    | 109  | 106                                    | 138  | 76   | 97   | 143  | 152  | 121  | 147  |
| 324 Footwear, except rubber or plastic    |      | 0 5                           | 7 0    | 11 0    | 15 9    | 171  | 158                                    | 173  | 204  | 129  | 161  | 159  | 164  | 160  |
| 331 Wood products, except furniture       |      | 2 5                           | 33 0   | 84 0    | 61 7    | 155  | 157                                    | 176  | 181  | 173  | 178  | 212  | 204  | 206  |
| 332 Furniture and fixtures, excl metal    |      | 1 4                           | 12 0   | 15 0    | 28 7    | 306  | 346                                    | 375  | 426  | 433  | 423  | 479  | 406  | 416  |
| 341 Paper and products                    |      | 24 0                          | 98 0   | 168 0   | 386 7   | 198  | 202                                    | 215  | 260  | 243  | 270  | 303  | 292  | 354  |
| 342 Printing and publishing               |      | 5 6                           | 92 0   | 175 0   | 470 7   | 229  | 237                                    | 231  | 241  | 223  | 195  | 239  | 214  | 182  |
| 351 Industrial chemicals                  |      | 156 7                         | 301 0  | 531 0   | 509 7   | 212  | 223                                    | 284  | 346  | 330  | 329  | 342  | 327  | 333  |
| 352 Other chemicals                       |      | 17 4                          | 172 0  | 395 0   | 804 8   | 112  | 125                                    | 135  | 143  | 140  | 174  | 185  | 204  | 203  |
| 353 Petroleum refineries                  |      | 16 6                          | 60 0   | 104 0   | 320 9   | 144  | 142                                    | 161  | 174  | 180  | 171  | 179  | 175  | 181  |
| 354 Misc petroleum and coal products      |      | 4 6                           | 115 0  | 106 0   | 320 1   | 149  | 131                                    | 142  | 165  | 187  | 203  | 199  | 189  | 198  |
| 355 Rubber products                       |      | 9 3                           | 113 0  | 408 0   | 374 6   | 134  | 134                                    | 140  | 145  | 166  | 143  | 129  | 163  | 182  |
| 356 Plastic products                      |      | 17 8                          | 71 0   | 137 0   | 274 9   | 88   | 94                                     | 107  | 122  | 112  | 127  | 142  | 159  | 166  |
| 361 Pottery, china, earthenware           |      | 7 6                           | 69 0   | 255 0   | 393 8   | 90   | 97                                     | 113  | 135  | 167  | 168  | 176  | 193  | 223  |
| 362 Glass and products                    |      | 9 8                           | 180 0  | 596 0   | 928 2   | 256  | 271                                    | 285  | 333  | 364  | 384  | 458  | 429  | 604  |
| 369 Other non-metallic mineral products   |      | 111 7                         | 480 0  | 456 0   | 890 3   | 83   | 92                                     | 110  | 121  | 122  | 126  | 121  | 130  | 139  |
| 371 Iron and steel                        |      | 57 9                          | 1449 0 | 3304 0  | 696 3   | 159  | 173                                    | 213  | 249  | 269  | 261  | 295  | 280  | 303  |
| 372 Non-ferrous metals                    |      | 12 0                          | 139 0  | 203 0   | 187 0   | 194  | 227                                    | 239  | 232  | 194  | 237  | 268  | 221  | 217  |
| 381 Fabricated metal products             |      | 15 2                          | 192 0  | 212 0   | 347 5   | 169  | 178                                    | 207  | 236  | 249  | 266  | 276  | 283  | 267  |
| 382 Non-electrical machinery              |      | 57 4                          | 232 0  | 274 0   | 601 6   | 191  | 173                                    | 174  | 212  | 193  | 185  | 228  | 263  | 262  |
| 383 Electrical machinery                  |      | 81 9                          | 178 0  | 587 0   | 867 0   | 165  | 215                                    | 258  | 265  | 208  | 221  | 330  | 399  | 391  |
| 384 Transport equipment                   |      | 63 8                          | 267 0  | 607 0   | 1836 4  | 241  | 252                                    | 257  | 272  | 272  | 261  | 351  | 380  | 621  |
| 385 Professional and scientific equipment |      | 0 9                           | 15 0   | 41 0    | 21 4    |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      | 7 1                           | 12 0   | 23 0    | 20 6    |      |  |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      | 1093 2                        | 5924 0 | 11554 0 | 13895 4 |      |  |      |      |      |      |      |      |      |



## UGANDA

**Supplier of information:**

Statistics Division, Ministry of Planning and Economic Development, Entebbe.

**Basic source of data:**

Annual survey of industrial production.

**Major deviations from current version of ISIC:**

The national classification is not strictly comparable with the current version of the ISIC. For this reason, some activities are only shown in total manufacturing.

**Reference period (if not calendar year):****Scope:**

The survey covers registered establishments with an average of 10 or more employees engaged in industrial production. The survey excludes government departments and East African Community departments engaged in industrial production, except the Printing Department in Entebbe.

**Method of enumeration:**

Questionnaires distributed by mail with follow-up site visits as required.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

No deviations from the standard UN concepts and definitions are reported.

**Related national publications:**

Survey of Industrial Production (annual), published by the Statistics Division, Ministry of Planning and Economic Development, Entebbe.

## Uganda

| ISIC Industry                             | Note | Number of establishments |      |      |      | Note   | Number of employees |       |       |       | Note   | wages and salaries paid a/<br>to employees |        |         |         |
|---|------|--------------------------|------|------|------|--------|---------------------|-------|-------|-------|--------|--|--------|---------|---------|
|   |      | (numbers)                |      |      |      |        | (numbers)           |       |       |       |        | (thousand SHILLINGS)                       |        |         |         |
|   |      | 1985                     | 1987 | 1988 | 1989 |        | 1985                | 1987  | 1988  | 1989  |        | 1985                                       | 1987   | 1988    | 1989    |
| 311/2 Food Products                       |      | 23                       | 27   | 39   | 31   | 58996/ | 2136                | 3410  | 3116  |       | 78206/ | 78940                                      | 238160 | 557190  |         |
| 313 Beverages                             |      | 6                        | 7    | 8    | 7    | 2065   | 1729                | 1943  | 2160  |       | 4560   | 32360                                      | 22660  | 358760  |         |
| 314 Tobacco                               |      | 1                        | 1    | 1    | 1    | 1096   | 818                 | 784   | 715   |       | 3230   | 48710                                      | 222130 | 327280  |         |
| 321 Textiles                              |      | 6                        | 6    | 6    | 6    | 7337   | 6986                | 6643  | 6423  |       | 13810  | 160070                                     | 446670 | 873550  |         |
| 322 Wearing apparel, except footwear      |      | 3                        | 3    | 3    | 3    | 432    | 291                 | 626   | 603   |       | 910    | 5400                                       | 47750  | 91170   |         |
| 323 Leather and fur products              |      | 1                        | 1    | 1    | 1    | 151    | 159                 | 140   | 113   |       | 350    | 2120                                       | 7710   | 12790   |         |
| 324 Footwear, except rubber or plastic    |      | 3                        | 3    | 4    | 4    | 446    | 280                 | 284   | 197   |       | 2370   | 19190                                      | 60340  | 100160  |         |
| 331 Wood product, except furniture        |      | 1                        | 1    | 1    | 1    | 400    | 428                 | 392   | 321   |       | 850    | 3380                                       | 13000  | 21120   |         |
| 332 Furniture and fixtures, excl metal    |      |                          |      |      |      |        |                     |       |       |       |        |  |        |         |         |
| 341 Paper and products                    |      | 9                        | 7    | 7    | 9    | 674    | 686                 | 642   | 638   |       | 1220   | 11050                                      | 29820  | 52760   |         |
| 342 Printing and publishing               |      |                          |      |      |      |        |                     |       |       |       |        |  |        |         |         |
| 351 Industrial chemicals                  |      | 1                        | 2    | 2    | 2    | 30     | 41                  | 45    | 41    |       | 90     | 1330                                       | 5700   | 7620    |         |
| 352 Other chemicals                       |      | 5                        | 3    | 3    | 4    | 72     | 52                  | 42    | 61    |       | 270    | 570  | 4520   | 10430   |         |
| 353 Petroleum refineries                  |      |                          |      |      |      |        |                     |       |       |       |        |  |        |         |         |
| 354 Misc petroleum and coal products      |      | 1                        | 1    | 1    | 1    | 123    | 88                  | 117   | 53    |       | 400    | 1130                                       | 4340   | 13380   |         |
| 355 Rubber products                       |      | -                        | 2    | 4    | 4    | -      | 123                 | 144   | 160   |       | -      | 1260                                       | 6090   | 10670   |         |
| 356 Plastic products                      |      |                          |      |      |      |        |                     |       |       |       |        |  |        |         |         |
| 361 Pottery, china, earthenware           |      |                          |      |      |      |        |                     |       |       |       |        |  |        |         |         |
| 362 Glass and products                    |      |                          |      |      |      |        |                     |       |       |       |        |  |        |         |         |
| 369 Other non-metallic mineral products   |      | 2                        | 4    | 4    | 8    | 1200   | 1448                | 1454  | 1537  |       | 2830   | 18530                                      | 71080  | 116280  |         |
| 371 Iron and steel                        |      | 2                        | 2    | 2    | 2    | 168    | 120                 | 105   | 87    |       | 470    | 1220                                       | 2900   | 7040    |         |
| 372 Non-ferrous metals                    |      |                          |      |      |      |        |                     |       |       |       |        |  |        |         |         |
| 381 Fabricated metal products             |      | 8                        | 8    | 9    | 7    | 1622   | 1229                | 1748  | 1008  |       | 4090   | 23820                                      | 105080 | 132960  |         |
| 382 Non-electrical machinery              |      |                          |      |      |      |        |                     |       |       |       |        |  |        |         |         |
| 383 Electrical machinery                  |      |                          |      |      |      |        |                     |       |       |       |        |  |        |         |         |
| 384 Transport equipment                   |      |                          |      |      |      |        |                     |       |       |       |        |  |        |         |         |
| 385 Professional and scientific equipment |      |                          |      |      |      |        |                     |       |       |       |        |  |        |         |         |
| 390 Other manufacturing industries        |      |                          |      |      |      |        |                     |       |       |       |        |  |        |         |         |
| 3 Total manufacturing                     | c/   | 80                       | 89   | 108  | 104  | c/     | 22314               | 17313 | 19286 | 18016 | c/     | 44730                                      | 416430 | 1536380 | 2850520 |

a/ Including directors' remuneration

c/ Total manufacturing includes activities not shown at the branch level. See country note

b/ Employees of sugar estates are included

## Uganda

| ISIC Industry                             | Note | Output               |      |      |      | Note | Value added          |      |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|----------------------|------|------|------|------|----------------------|------|------|------|--------------------------------|------|--|------|
|   |      | (thousand SHILLINGS) |      |      |      |      | (thousand SHILLINGS) |      |      |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                 | 1987 | 1988 | 1989 |      | 1985                 | 1987 | 1988 | 1989 | 1985                           | 1989 | 1985                                       | 1989 |
| 311/2 Food Products                       |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 313 Beverages                             |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 314 Tobacco                               |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 321 Textiles                              |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 322 Wearing apparel, except footwear      |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 323 Leather and fur products              |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 324 Footwear, except rubber or plastic    |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 331 Wood products, except furniture       |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 332 Furniture and fixtures, excl metal    |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 341 Paper and products                    |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 342 Printing and publishing               |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 351 Industrial chemicals                  |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 352 Other chemicals                       |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 353 Petroleum refineries                  |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 354 Misc petroleum and coal products      |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 355 Rubber products                       |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 356 Plastic products                      |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 361 Pottery, china, earthenware           |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 362 Glass and products                    |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 369 Other non-metallic mineral products   |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 371 Iron and steel                        |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 372 Non-ferrous metals                    |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 381 Fabricated metal products             |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 382 Non-electrical machinery              |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 383 Electrical machinery                  |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 384 Transport equipment                   |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 385 Professional and scientific equipment |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 390 Other manufacturing industries        |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |
| 3 Total manufacturing                     |      | ...                  | ...  | ...  | ...  | ...  | ...                  | ...  | ...  | ...  | ...                            | ...  | ...  | ...  |

## Uganda

| ISIC Industry                             | Gross fixed capital formation |                      |      |      | Note | Index numbers of industrial production |            |      |      |      |      |      |      |      |      |
|---|-------------------------------|----------------------|------|------|------|--|------------|------|------|------|------|------|------|------|------|
|   | Note                          | (thousand SHILLINGS) |      |      |      | Note                                   | (1980=100) |      |      |      |      |      |      |      |      |
|   |                               | 1985                 | 1987 | 1988 |      |  | 1989       | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |                               |                      |      |      |      | 94                                     | 88         | 80   | 94   | 120  | 144  | 164  | 213  | 230  |      |
| 313 Beverages                             |                               |                      |      |      | a/   | 186                                    | 199        | 193  | 235  | 328  | 337  | 364  | 413  | 364  |      |
| 314 Tobacco                               |                               |                      |      |      | a/   |  |            |      |      |      |      |      |      |      |      |
| 321 Textiles                              |                               |                      |      |      |      | 81                                     | 69         | 65   | 74   | 75   | 81   | 66   | 69   | 60   |      |
| 322 Wearing apparel, except footwear      |                               |                      |      |      |      | 96                                     | 35         | 31   | 20   | 75   | 85   | 97   | 112  | 100  |      |
| 323 Leather and fur products              |                               |                      |      |      |      |  |            |      |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |                               |                      |      |      |      | 258                                    | 128        | 132  | 147  | 91   | 93   | 111  | 88   | 117  |      |
| 331 Wood products, except furniture       |                               |                      |      |      |      | 160                                    | 110        | 125  | 206  | 198  | 127  | 120  | 120  | 166  |      |
| 332 Furniture and fixtures, excl metal    |                               |                      |      |      |      | 148                                    | 130        | 172  | 198  | 277  | 439  | 378  | 321  | 348  |      |
| 341 Paper and products                    |                               |                      |      |      | b/   | 153                                    | 152        | 93   | 133  | 232  | 315  | 420  | 619  | 698  |      |
| 342 Printing and publishing               |                               |                      |      |      | b/   |  |            |      |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |                               |                      |      |      | c/   | 95                                     | 91         | 91   | 155  | 172  | 252  | 284  | 299  | 390  |      |
| 352 Other chemicals                       |                               |                      |      |      | c/   |  |            |      |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |                               |                      |      |      |      |  |            |      |      |      |      |      |      |      |      |
| 354 Misc petroleum and coal products      |                               |                      |      |      |      |  |            |      |      |      |      |      |      |      |      |
| 355 Rubber products                       |                               |                      |      |      |      |  |            |      |      |      |      |      |      |      |      |
| 356 Plastic products                      |                               |                      |      |      |      | 192                                    | 175        | 188  | 208  | 121  | 219  | 223  | 390  | 639  |      |
| 361 Pottery, china, earthenware           |                               |                      |      |      |      |  |            |      |      |      |      |      |      |      |      |
| 362 Glass and products                    |                               |                      |      |      |      |  |            |      |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |                               |                      |      |      |      | 98                                     | 77         | 76   | 63   | 59   | 68   | 96   | 101  | 127  |      |
| 371 Iron and steel                        |                               |                      |      |      |      | 142                                    | 171        | 136  | 128  | 112  | 127  | 138  | 191  | 244  |      |
| 372 Non-ferrous metals                    |                               |                      |      |      |      |  |            |      |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |                               |                      |      |      |      |  |            |      |      |      |      |      |      |      |      |
| 382 Non-electrical machinery              |                               |                      |      |      |      |  |            |      |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |                               |                      |      |      |      | 180                                    | 119        | 109  | 143  | 144  | 204  | 158  | 117  | 171  |      |
| 384 Transport equipment                   |                               |                      |      |      |      | 174                                    | 157        | 140  | 95   | 100  | 155  | 214  | 286  | 314  |      |
| 385 Professional and scientific equipment |                               |                      |      |      |      |  |            |      |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |                               |                      |      |      |      | 171                                    | 252        | 284  | 118  | 289  | 438  | 316  | 618  | 474  |      |
| 3 Total manufacturing                     |                               |                      |      |      |      |  |            |      |      |      |      |      |      |      |      |

a/ 313 includes 314  
c/ 351 includes 352

b/ 341 includes 342

## UKRAINE

**Supplier of information:**

Ministry of Statistics of the Ukraine, Kiev.

**Basic source of data:**

Annual statistical reports of enterprises.

**Major deviations from current version of ISIC:**

The data are based on the national classification scheme.

**Reference period (if not calendar year):**

**Scope:**

All enterprises.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Not reported.

**Concepts and definitions of variables:**

Wages and salaries is computed by UNIDO from reported wages and salaries per employee.

**Related national publications:**

## Ukraine

| ISIC Industry                             | Note | Number of enterprises |       |       |      | Note | Number of employees |      |      |      | Note  | Wages and salaries paid to employees |      |      |      |
|---|------|-----------------------|-------|-------|------|------|---------------------|------|------|------|-------|--------------------------------------|------|------|------|
|   |      | (numbers)             |       |       |      |      | (thousands)         |      |      |      |       | (million ROUBLES)                    |      |      |      |
|   |      | 1985                  | 1990  | 1991  | 1992 |      | 1985                | 1990 | 1991 | 1992 |       | 1985                                 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      | 22126                 | 22510 | 22878 |      | 683  | 663                 | 618  |      | 1926 | 4177  | 55605                                |      |      |      |
| 313 Beverages                             |      | 573                   | 673   | 876   |      | 67   | 66                  | 64   |      | 180  | 441   | 6181                                 |      |      |      |
| 314 Tobacco                               |      | 17                    | 22    | 21    |      | 6    | 6                   | 6    |      | 18   | 46    | 788                                  |      |      |      |
| 321 Textiles                              |      | 719                   | 953   | 1017  |      | 253  | 216                 | 226  |      | 726  | 1369  | 20277                                |      |      |      |
| 322 Wearing apparel, except footwear      |      | 1965                  | 3103  | 3250  |      | 366  | 338                 | 281  |      | 874  | 1586  | 15846                                |      |      |      |
| 323 Leather and fur products              |      | 44                    | 129   | 147   |      | 33   | 31                  |      |      | 97   | 190   |                                      |      |      |      |
| 324 Footwear, except rubber or plastic    |      | 94                    | 426   | 471   |      | 108  | 91                  | 89   |      | 311  | 665   | 7340                                 |      |      |      |
| 331 Wood products, except furniture       |      | 15614                 | 16076 | 15389 |      | 83   | 80                  | 73   |      | 243  | 392   | 4621                                 |      |      |      |
| 332 Furniture and fixtures, excl metal    |      | 228                   | 613   | 869   |      | 133  | 127                 | 121  |      | 401  | 716   | 9717                                 |      |      |      |
| 341 Paper and products                    |      | 75                    | 169   | 192   |      | 29   | 29                  | 28   |      | 86   | 170   | 2093                                 |      |      |      |
| 342 Printing and publishing               |      | 560                   | 680   | 844   |      |      | 37                  | 34   |      |      | 213   | 2199                                 |      |      |      |
| 351 Industrial chemicals                  |      | 87                    | 128   | 120   |      | 191  | 189                 | 138  |      | 614  | 1191  | 18918                                |      |      |      |
| 352 Other chemicals                       |      | 153                   | 389   | 471   |      | 69   | 66                  | 63   |      | 194  | 360   | 4397                                 |      |      |      |
| 353 Petroleum refineries                  |      | 10                    | 14    | 11    |      | 16   | 16                  | 10   |      | 48   | 109   | 2104                                 |      |      |      |
| 354 Misc petroleum and coal products      |      | 828                   | 832   | 803   |      | 60   | 49                  | 49   |      | 179  | 346   | 7097                                 |      |      |      |
| 355 Rubber products                       |      | 35                    | 130   | 159   |      | 46   | 46                  | 46   |      | 160  | 293   | 4916                                 |      |      |      |
| 356 Plastic products                      |      | 89                    | 559   | 621   |      | 21   | 21                  | 28   |      | 62   | 116   | 2266                                 |      |      |      |
| 361 Pottery, china, earthenware           |      | 31                    | 65    | 66    |      | 25   | 25                  | 25   |      | 69   | 160   | 2066                                 |      |      |      |
| 362 Glass and products                    |      | 50                    | 104   | 140   |      | 40   | 46                  | 67   |      | 132  | 261   | 6191                                 |      |      |      |
| 369 Other non-metallic mineral products   |      | 3777                  | 6116  | 5606  |      | 382  | 374                 | 328  |      | 1164 | 2347  | 29921                                |      |      |      |
| 371 Iron and steel                        |      | 46                    | 76    | 90    |      | 296  | 290                 | 302  |      | 1090 | 2321  | 46616                                |      |      |      |
| 372 Non-ferrous metals                    |      | 26                    | 44    | 55    |      |      |                     | 50   |      |      |       | 6180                                 |      |      |      |
| 381 Fabricated metal products             |      | 16806                 | 16949 | 16633 |      | 661  | 644                 | 469  |      |      | 3316  | 39116                                |      |      |      |
| 382 Non-electrical machinery              |      | 641                   | 1028  | 1171  |      | 701  | 718                 | 627  |      |      | 4289  | 47311                                |      |      |      |
| 383 Electrical machinery                  |      | 151                   | 323   | 487   |      | 224  | 233                 | 233  |      | 712  | 1416  | 17279                                |      |      |      |
| 384 Transport equipment                   |      | 122                   | 239   | 271   |      | 358  | 364                 | 407  |      |      | 2392  | 36117                                |      |      |      |
| 385 Professional and scientific equipment |      | 111                   | 238   | 249   |      | 220  | 216                 | 224  |      |      | 1167  | 11762                                |      |      |      |
| 390 Other manufacturing industries        |      |                       |       |       |      |      |                     | 169  |      |      |       | 11349                                |      |      |      |
| 3 Total manufacturing                     |      | 63976                 | 71686 | 72707 |      | 4960 | 4848                | 4786 |      | 9276 | 30064 | 419261                               |      |      |      |

## Ukraine

| ISIC Industry                             | Note | Output in factor values |       |       |        | Note | Value added       |      |      |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|---|------|-------------------------|-------|-------|--------|------|-------------------|------|------|------|--------------------------------|------|--|------|
|   |      | (billion ROUBLES)       |       |       |        |      | (billion ROUBLES) |      |      |      | (percentage)                   |      | (percentage)                               |      |
|   |      | 1985                    | 1990  | 1991  | 1992   |      | 1985              | 1990 | 1991 | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                       |      |                         | 33.4  | 80.0  | 857.1  |      |                   |      |      |      |                                |      |  |      |
| 313 Beverages                             |      |                         | 2.2   | 7.7   | 65.1   |      |                   |      |      |      |                                |      |  |      |
| 314 Tobacco                               |      |                         | 0.8   | 1.6   | 23.2   |      |                   |      |      |      |                                |      |  |      |
| 321 Textiles                              |      |                         | 9.0   | 22.6  | 233.6  |      |                   |      |      |      |                                |      |  |      |
| 322 Wearing apparel, except footwear      |      |                         | 6.3   | 12.6  | 97.1   |      |                   |      |      |      |                                |      |  |      |
| 323 Leather and fur products              |      |                         | 0.6   | 1.2   | 19.5   |      |                   |      |      |      |                                |      |  |      |
| 324 Footwear, except rubber or plastic    |      |                         | 1.6   | 3.6   | 47.3   |      |                   |      |      |      |                                |      |  |      |
| 331 Wood products, except furniture       |      |                         | 1.3   | 2.4   | 30.7   |      |                   |      |      |      |                                |      |  |      |
| 332 Furniture and fixtures, excl metal    |      |                         | 2.0   | 4.0   | 56.9   |      |                   |      |      |      |                                |      |  |      |
| 341 Paper and products                    |      |                         | 0.9   | 2.2   | 29.9   |      |                   |      |      |      |                                |      |  |      |
| 342 Printing and publishing               |      |                         | 0.4   | 0.9   | 9.9    |      |                   |      |      |      |                                |      |  |      |
| 351 Industrial chemicals                  |      |                         | 5.9   | 11.0  | 264.6  |      |                   |      |      |      |                                |      |  |      |
| 352 Other chemicals                       |      |                         | 2.3   | 5.6   | 58.5   |      |                   |      |      |      |                                |      |  |      |
| 353 Petroleum refineries                  |      |                         | 2.6   | 5.4   | 311.3  |      |                   |      |      |      |                                |      |  |      |
| 354 Misc petroleum and coal products      |      |                         | 3.2   | 4.4   | 266.2  |      |                   |      |      |      |                                |      |  |      |
| 355 Rubber products                       |      |                         | 1.6   | 3.2   | 66.5   |      |                   |      |      |      |                                |      |  |      |
| 356 Plastic products                      |      |                         | 0.4   | 0.8   | 13.8   |      |                   |      |      |      |                                |      |  |      |
| 361 Pottery, china, earthenware           |      |                         | 0.2   | 0.5   | 7.1    |      |                   |      |      |      |                                |      |  |      |
| 362 Glass and products                    |      |                         | 0.8   | 1.9   | 30.7   |      |                   |      |      |      |                                |      |  |      |
| 369 Other non-metallic mineral products   |      |                         | 5.2   | 11.6  | 218.4  |      |                   |      |      |      |                                |      |  |      |
| 371 Iron and steel                        |      |                         | 12.6  | 23.7  | 889.8  |      |                   |      |      |      |                                |      |  |      |
| 372 Non-ferrous metals                    |      |                         | 1.7   | 3.1   | 78.4   |      |                   |      |      |      |                                |      |  |      |
| 381 Fabricated metal products             |      |                         | 7.2   | 13.6  | 33.1   |      |                   |      |      |      |                                |      |  |      |
| 382 Non-electrical machinery              |      |                         | 14.1  | 24.9  | 323.2  |      |                   |      |      |      |                                |      |  |      |
| 383 Electrical machinery                  |      |                         | 4.0   | 7.7   | 118.1  |      |                   |      |      |      |                                |      |  |      |
| 384 Transport equipment                   |      |                         | 4.5   | 8.3   | 149.1  |      |                   |      |      |      |                                |      |  |      |
| 385 Professional and scientific equipment |      |                         | 3.4   | 4.8   | 36.1   |      |                   |      |      |      |                                |      |  |      |
| 390 Other manufacturing industries        |      |                         |       |       |        |      |                   |      |      |      |                                |      |  |      |
| 3 Total manufacturing                     |      |                         | 128.2 | 269.1 | 4334.0 |      |                   |      |      |      |                                |      |  |      |

## Ukraine

| ISIC Industry                             | Note | Gross fixed capital formation |      |      |       | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|------|------|-------|------|--|------|------|------|------|------|------|------|
|   |      | (million ROUBLES)             |      |      |       |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990 | 1991 | 1992  |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      |                               | 405  | 799  | 17511 |      |  |      |      |      |      |      |      |      |
| 313 Beverages                             |      |                               | 47   | 92   | 2723  |      |  |      |      |      |      |      |      |      |
| 314 Tobacco                               |      |                               | 8    | 7    | 247   |      |  |      |      |      |      |      |      |      |
| 321 Textiles                              |      |                               | 178  | 195  | 2378  |      |  |      |      |      |      |      |      |      |
| 322 Wearing apparel, except footwear      |      |                               | 129  | 89   | 1854  |      |  |      |      |      |      |      |      |      |
| 323 Leather and fur products              |      |                               | 7    | 28   | 2893  |      |  |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      |                               | 53   | 62   | 542   |      |  |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      |                               | 19   | 49   | 2993  |      |  |      |      |      |      |      |      |      |
| 332 Furniture and fixtures, excl metal    |      |                               | 41   | 39   | 1343  |      |  |      |      |      |      |      |      |      |
| 341 Paper and products                    |      |                               | 118  | 82   | 418   |      |  |      |      |      |      |      |      |      |
| 342 Printing and publishing               |      |                               | 28   | 53   | 284   |      |  |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      |                               | 173  | 325  | 3039  |      |  |      |      |      |      |      |      |      |
| 352 Other chemicals                       |      |                               | 54   | 74   | 1467  |      |  |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      |                               | 8    | 29   | 1142  |      |  |      |      |      |      |      |      |      |
| 354 Misc petroleum and coal products      |      |                               | 34   | 55   | 2617  |      |  |      |      |      |      |      |      |      |
| 355 Rubber products                       |      |                               | 31   | 50   | 725   |      |  |      |      |      |      |      |      |      |
| 356 Plastic products                      |      |                               | 9    | 37   | 975   |      |  |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      |                               | 10   | 10   | 141   |      |  |      |      |      |      |      |      |      |
| 362 Glass and products                    |      |                               | 25   | 43   | 922   |      |  |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      |                               | 166  | 498  | 13333 |      |  |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      |                               | 196  | 300  | 7067  |      |  |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |      |                               | 75   | 23   | 938   |      |  |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      |                               | 259  | 330  | 10258 |      |  |      |      |      |      |      |      |      |
| 382 Non-electrical machinery              |      |                               | 559  | 508  | 8950  |      |  |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      |                               | 152  | 189  | 1608  |      |  |      |      |      |      |      |      |      |
| 384 Transport equipment                   |      |                               | 376  | 211  | 2683  |      |  |      |      |      |      |      |      |      |
| 385 Professional and scientific equipment |      |                               | 115  | 116  | -15   |      |  |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      |                               |      |      |       |      |  |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |      |                               | 3275 | 4234 | 88886 |      |  |      |      |      |      |      |      |      |



## UNITED KINGDOM

**Supplier of information:**

Department of Trade and Industry, London.

Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

**Basic source of data:**

Annual census of production.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

Establishments employing 20 or more persons

**Method of enumeration:**

A sampling scheme established in the 1980 census was repeated from 1981 to 1983, and from 1985 to 1987. In these years forms were despatched to all establishments employing 100 persons or more and, in general, to samples of 1 in 2 of those employing 50 to 99, as well as 1 in 4 of those employing 20 to 49. 1984 was a benchmark census and forms were despatched to all establishments with 20 or more employed except for those in the 20 to 49 employment size band located in England, where, in general, a sample of 1 in 2 was taken. The statistical unit is the establishment.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

Wages and salaries includes all overtime payments, bonuses, commissions, holiday pay and redundancy payments less any amounts reimbursed from government sources. No deduction is made for income tax, insurance, contributory pensions, etc. Payments in kind, travelling expenses, lodging allowances, etc. are excluded.

Output relates to gross output and is calculated by adjusting the value of total sales, work done and services rendered, by the net changes during the year of work in progress and stocks of finished goods. Total sales represents deliveries on sale of goods produced by establishments and includes sales of goods made from materials given out by them to other organizations or to outworkers. The value of sales is the amount charged to customers. Where products attract excise duty, the value is inclusive of duty if goods are sold "duty-paid", and exclusive of duty if goods are sold in bond or exported. Sales of fixed assets are excluded.

Value added represents gross value added in factor values and is defined as the value of gross output less the cost of purchases of materials for use in production and packaging, fuels, goods for merchandising or factoring and the cost of industrial and non-industrial services received. The value of purchases is adjusted for changes in stocks of materials, stores and fuel.

Gross fixed capital formation is the value of purchases of fixed assets less the value of sales of such assets. Valuation is at full cost incurred, including the cost of installation and certain fees and taxes (namely legal fees, stamp duty, agents' commissions, etc.), and is inclusive of any amounts received or expected to be received in grants and/or allowances from government sources, statutory bodies or local authorities. The value of capital goods produced for own use are included. The value of any assets acquired in taking over an existing business are excluded. The figures include non-deductible VAT but exclude deductible VAT.

**Related national publications:**

Census of Production Introductory Notes; Annual Abstract of Statistics, published by the Central Statistical Office, London.

## United Kingdom

| ISIC Industry                                    | Note | Number of establishments |       |       |       | Note | Number of employees |      |      |      | Note | Wages and salaries paid to employees |      |      |      |
|--|------|--------------------------|-------|-------|-------|------|---------------------|------|------|------|------|--------------------------------------|------|------|------|
|  |      | (numbers)                |       |       |       |      | (thousands)         |      |      |      |      | (million POUNDS)                     |      |      |      |
|  |      | 1985                     | 1990  | 1991  | 1992  |      | 1985                | 1990 | 1991 | 1992 |      | 1985                                 | 1990 | 1991 | 1992 |
| 311/2 Food Products                              |      | 9643                     | 8728  | 8487  | 8341  | 487  | 503                 | 490  | 482  |      | 3481 | 5178                                 | 5514 | 5713 |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 1887                     | 1468  |       |       | 106  | 116                 |      |      |      | 689  | 1093                                 |      |      |      |
| 3112 Dairy products                              |      | 487                      | 392   |       |       | 41   | 40                  |      |      |      | 333  | 489                                  |      |      |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 310                      | 272   |       |       | 16   | 19                  |      |      |      | 120  | 188                                  |      |      |      |
| 3114 Canning, preserving and processing of fish  |      | 305                      | 284   |       |       | 28   | 21                  |      |      |      | 170  | 164                                  |      |      |      |
| 3115 Vegetable and animal oils and fats          |      | 106                      | 58    |       |       | 7    | 5                   |      |      |      | 70   | 98                                   |      |      |      |
| 3116 Grain mill products                         |      | 142                      | 109   |       |       | 6    | 6                   |      |      |      | 58   | 86                                   |      |      |      |
| 3117 Bakery products                             |      | 4165                     | 4047  |       |       | 140  | 154                 |      |      |      | 826  | 1272                                 |      |      |      |
| 3118 Sugar factories and refineries              |      | 9                        | 6     |       |       | 8    | 6                   |      |      |      | 86   | 98                                   |      |      |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 631                      | 563   |       |       | 50   | 54                  |      |      |      | 394  | 623                                  |      |      |      |
| 3121 Other food products                         |      | 934                      | 1016  |       |       | 65   | 61                  |      |      |      | 544  | 768                                  |      |      |      |
| 3122 Prepared animal feeds                       |      | 667                      | 513   |       |       | 20   | 21                  |      |      |      | 191  | 300                                  |      |      |      |
| 313 Beverages                                    |      | 703                      | 511   | 478   | 490   | 73   | 69                  | 69   | 65   |      | 680  | 960                                  | 1007 | 1028 |      |
| 3131 Distilling, rectifying and blending spirits |      | 103                      | 63    |       |       | 16   | 14                  |      |      |      | 142  | 193                                  |      |      |      |
| 3132 Wine industries                             |      | 91                       | 56    |       |       | 4    | 4                   |      |      |      | 43   | 54                                   |      |      |      |
| 3133 Malt liquors and malt                       |      | 237                      | 170   |       |       | 36   | 30                  |      |      |      | 363  | 430                                  |      |      |      |
| 3134 Soft drinks and carbonated waters           |      | 272                      | 222   |       |       | 17   | 21                  |      |      |      | 132  | 273                                  |      |      |      |
| 314 Tobacco                                      |      | 32                       | 28    | 26    | 25    | 24   | 13                  | 12   | 10   |      | 294  | 236                                  | 263  | 238  |      |
| 321 Textiles                                     |      | 6146                     | 6285  | 5987  | 5815  | 267  | 224                 | 208  | 198  |      | 1540 | 2027                                 | 2031 | 2093 |      |
| 3211 Spinning, weaving and finishing textiles    |      | 2214                     | 1855  |       |       | 114  | 97                  |      |      |      | 729  | 933                                  |      |      |      |
| 3212 Made-up textile goods excl wearing apparel  |      | 1414                     | 1545  |       |       | 28   | 30                  |      |      |      | 147  | 242                                  |      |      |      |
| 3213 Knitting mills                              |      | 1640                     | 1605  | 1471  |       | 85   | 67                  | 63   |      |      | 446  | 620                                  | 543  |      |      |
| 3214 Carpets and rugs                            |      | 396                      | 437   |       |       | 20   | 21                  |      |      |      | 161  | 236                                  |      |      |      |
| 3215 Cordage, rope and twine                     |      | 154                      | 144   |       |       | 3    | 3                   |      |      |      | 17   | 26                                   |      |      |      |
| 3219 Other textiles                              |      | 328                      | 699   |       |       | 7    | 6                   |      |      |      | 61   | 70                                   |      |      |      |
| 322 Wearing apparel, except footwear             |      | 9625                     | 8390  | 7841  | 7283  | 232  | 210                 | 177  | 169  |      | 1077 | 1332                                 | 1302 | 1348 |      |
| 323 Leather and fur products                     |      | 1610                     | 1185  | 1081  | 989   | 24   | 17                  | 16   | 14   |      | 139  | 162                                  | 147  | 167  |      |
| 3231 Tanneries and leather finishing             |      | 312                      | 206   |       |       | 10   | 7                   |      |      |      | 69   | 78                                   |      |      |      |
| 3232 Fur dressing and dyeing industries          |      | 216                      | -     |       |       | 2    | -                   |      |      |      | 11   | -                                    |      |      |      |
| 3233 Leather prods excl wearing apparel          |      | 1083                     | 980   |       |       | 12   | 10                  |      |      |      | 59   | 74                                   |      |      |      |
| 324 Footwear, except rubber or plastic           |      | 797                      | 746   | 704   | 665   | 61   | 46                  | 44   | 40   |      | 312  | 378                                  | 374  | 366  |      |
| 331 Wood products, except furniture              |      | 6880                     | 6917  | 6341  | 6614  | 80   | 78                  | 68   | 66   |      | 591  | 834                                  | 786  | 786  |      |
| 3311 Sawmills, planing and other wood mills      |      | 1743                     | 1411  |       |       | 25   | 19                  |      |      |      | 173  | 196                                  |      |      |      |
| 3312 Wooden and cane containers                  |      | 1188                     | 1229  |       |       | 11   | 10                  |      |      |      | 72   | 103                                  |      |      |      |
| 3319 Other wood and cork products                |      | 3949                     | 4277  |       |       | 44   | 49                  |      |      |      | 346  | 636                                  |      |      |      |
| 332 Furniture and fixtures, excl metal           |      | 6724                     | 7798  | 7342  | 7289  | 101  | 114                 | 107  | 104  |      | 794  | 1306                                 | 1277 | 1294 |      |
| 341 Paper and products                           |      | 3161                     | 3192  | 3088  | 3041  | 162  | 148                 | 142  | 136  |      | 1361 | 1969                                 | 2014 | 2068 |      |
| 3411 Pulp, paper and paperboard articles         |      | 394                      | 391   | 373   |       | 32   | 33                  | 31   |      |      | 306  | 463                                  | 480  |      |      |
| 3412 Containers of paper and paperboard          |      | 1342                     | 1352  |       |       | 61   | 59                  |      |      |      | 534  | 762                                  |      |      |      |
| 3419 Other pulp, paper and paperboard articles   |      | 1425                     | 1449  |       |       | 69   | 66                  |      |      |      | 611  | 744                                  |      |      |      |
| 342 Printing and publishing                      |      | 18358                    | 18762 | 18148 | 19674 | 296  | 304                 | 292  | 291  |      | 3111 | 4623                                 | 4706 | 4936 |      |
| 351 Industrial chemicals                         |      | 1751                     | 1576  | 1515  | 1573  | 147  | 144                 | 140  | 134  |      | 1651 | 2424                                 | 2633 | 2707 |      |
| 3511 Basic chemicals excl fertilizers            |      | 910                      | 791   | 777   |       | 100  | 103                 | 100  |      |      | 1134 | 1774                                 | 1940 |      |      |
| 3512 Fertilizers and pesticides                  |      | 207                      | 168   | 157   |       | 17   | 12                  | 11   |      |      | 198  | 198                                  | 213  |      |      |
| 3513 Synthetic resins and plastic materials      |      | 634                      | 617   | 581   |       | 30   | 29                  | 29   |      |      | 319  | 462                                  | 479  |      |      |
| 352 Other chemicals                              |      | 1975                     | 1748  | 1666  | 1712  | 180  | 170                 | 167  | 166  |      | 1806 | 2610                                 | 2676 | 2900 |      |
| 3521 Paints, varnishes and lacquers              |      | 385                      | 309   | 283   |       | 24   | 23                  | 22   |      |      | 216  | 316                                  | 326  |      |      |
| 3522 Drugs and medicines                         |      | 413                      | 362   | 347   |       | 67   | 76                  | 78   |      |      | 662  | 1214                                 | 1376 |      |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 506                      | 426   | 430   |       | 31   | 37                  | 35   |      |      | 266  | 464                                  | 462  |      |      |
| 3529 Other chemical products                     |      | 672                      | 651   | 608   |       | 38   | 34                  | 31   |      |      | 372  | 517                                  | 606  |      |      |
| 353 Petroleum refineries                         |      | 49                       | 25    | 25    | 27    | 11   | 9                   | 8    | 8    |      | 163  | 186                                  | 204  | 219  |      |

|   |        |        |        |        |      |      |      |      |       |       |       |       |
|---|--------|--------|--------|--------|------|------|------|------|-------|-------|-------|-------|
| 354 Misc petroleum and coal products            | 154    | 129    | 113    | 110    | 10   | 8    | 7    | 6    | 101   | 124   | 120   | 120   |
| 355 Rubber products                             | 600    | 605    | 606    | 602    | 66   | 65   | 58   | 54   | 562   | 796   | 792   | 818   |
| 3551 Tyres and tubes                            | 64     | 62     |        |        | 25   | 25   |      |      | 249   | 362   |       |       |
| 3559 Other rubber products                      | 536    | 543    |        |        | 41   | 40   |      |      | 313   | 444   |       |       |
| 356 Plastic products                            | 4319   | 4596   | 4527   | 4732   | 132  | 169  | 164  | 167  | 1056  | 1997  | 2080  | 2246  |
| 361 Pottery, china earthenware                  | 661    | 791    | 758    | 730    | 45   | 44   | 40   | 37   | 294   | 427   | 426   | 434   |
| 362 Glass and products                          | 788    | 770    | 745    | 885    | 39   | 42   | 41   | 39   | 348   | 540   | 676   | 663   |
| 369 Other non-metallic mineral products         | 3221   | 2724   | 2566   | 2698   | 118  | 123  | 108  | 100  | 1061  | 1548  | 1616  | 1475  |
| 3691 Structural clay products                   | 229    | 183    |        |        | 10   | 19   |      |      | 167   | 238   |       |       |
| 3692 Cement, lime and plaster                   | 159    | 150    |        |        | 9    | 9    |      |      | 99    | 154   |       |       |
| 3699 Other non-metallic mineral products        | 2833   | 2391   |        |        | 90   | 95   |      |      | 785   | 1256  |       |       |
| 371 Iron and steel                              | 3018   | 2587   | 2429   | 2343   | 172  | 151  | 135  | 124  | 1687  | 2042  | 1954  | 1897  |
| 372 Non-ferrous metals                          | 1136   | 1093   | 1080   | 1089   | 63   | 59   | 55   | 50   | 566   | 801   | 789   | 749   |
| 381 Fabricated metal products                   | 14491  | 14981  | 14366  | 14264  | 338  | 337  | 314  | 297  | 2831  | 4100  | 4147  | 4135  |
| 3811 Cutlery, hand tools and general hardware   | 89     | 92     |        |        | 5    | 4    |      |      | 37    | 45    |       |       |
| 3812 Furniture and fixtures primarily of metal  | 493    | 553    |        |        | 17   | 21   |      |      | 148   | 261   |       |       |
| 3813 Structural metal products                  | 3408   | 3521   | 3417   |        | 112  | 97   | 97   |      | 1118  | 1386  | 1605  |       |
| 3819 Other fabricated metal products            | 10501  | 10815  |        |        | 204  | 216  |      |      | 1628  | 2418  |       |       |
| 382 Non-electrical machinery                    | 22025  | 23168  | 22307  | 22747  | 692  | 557  | 623  | 501  | 6378  | 7659  | 7926  | 8058  |
| 3821 Engines and turbines                       | 265    | 307    | 316    |        | 28   | 20   | 18   |      | 239   | 269   | 266   |       |
| 3822 Agricultural machinery and equipment       | 1032   | 917    | 865    |        | 23   | 17   | 15   |      | 200   | 231   | 211   |       |
| 3823 Metal and wood working machinery           | 4285   | 4658   | 4507   |        | 89   | 87   | 79   |      | 779   | 1127  | 1104  |       |
| 3824 Other special industrial machinery         | 2350   | 1999   | 1898   |        | 118  | 101  | 88   |      | 1166  | 1499  | 1450  |       |
| 3825 Office, computing and accounting machinery | 1072   | 1190   | 1155   |        | 50   | 55   | 64   |      | 546   | 906   | 1200  |       |
| 3829 Other non-electrical machinery & equipment | 13021  | 14097  | 13564  |        | 284  | 277  | 258  |      | 2449  | 3628  | 3694  |       |
| 383 Electrical machinery                        | 9527   | 10029  | 9786   | 10172  | 544  | 508  | 466  | 436  | 4683  | 6332  | 6378  | 6262  |
| 3831 Electrical industrial machinery            | 3180   | 3412   | 3336   |        | 168  | 155  | 147  |      | 1368  | 1889  | 1973  |       |
| 3832 Radio, television and communication equipm | 3664   | 3719   | 3676   |        | 260  | 240  | 220  |      | 2314  | 3167  | 3167  |       |
| 3833 Electrical appliances and housewares       | 494    | 488    | 476    |        | 37   | 37   | 34   |      | 272   | 386   | 396   |       |
| 3839 Other electrical apparatus and supplies    | 2189   | 2409   | 2298   |        | 79   | 76   | 66   |      | 639   | 901   | 843   |       |
| 384 Transport equipment                         | 4257   | 4254   | 4233   | 4333   | 569  | 631  | 496  | 466  | 6364  | 7738  | 7819  | 7723  |
| 3841 Shipbuilding and repairing                 | 1505   | 1403   | 1362   |        | 83   | 64   | 58   |      | 744   | 888   | 863   |       |
| 3842 Railroad equipment                         | 85     | 100    | 96     |        | 30   | 19   | 18   |      | 233   | 260   | 256   |       |
| 3843 Motor vehicles                             | 2028   | 2067   | 2050   |        | 276  | 267  | 245  |      | 2634  | 3826  | 3807  |       |
| 3844 Motorcycles and bicycles                   | 144    | 113    | 117    |        | 5    | 4    | 4    |      | 34    | 40    | 40    |       |
| 3845 Aircraft                                   | 419    | 496    | 537    |        | 171  | 174  | 167  |      | 1686  | 2693  | 2823  |       |
| 3849 Other transport equipment                  | 76     | 75     | 71     |        | 4    | 3    | 3    |      | 23    | 31    | 30    |       |
| 385 Professional and scientific equipment       | 2574   | 2555   | 2476   | 2586   | 82   | 85   | 78   | 76   | 671   | 1039  | 1033  | 1060  |
| 3851 Prof and scientific equipment n e c        | 1888   | 1888   | 1826   |        | 59   | 62   | 58   |      | 480   | 769   | 764   |       |
| 3852 Photographic and optical goods             | 495    | 454    | 456    |        | 20   | 20   | 18   |      | 171   | 263   | 242   |       |
| 3853 Watches and clocks                         | 191    | 213    | 194    |        | 3    | 3    | 2    |      | 20    | 27    | 27    |       |
| 390 Other manufacturing industries              | 7750   | 8735   | 8168   | 8465   | 71   | 71   | 65   | 65   | 439   | 691   | 676   | 712   |
| 3901 Jewellery and related articles             | 1743   | 1996   | 1823   |        | 11   | 11   | 10   |      | 76    | 124   | 124   |       |
| 3902 Musical instruments                        | 221    | 222    |        |        | 3    | 2    |      |      | 18    | 25    |       |       |
| 3903 Sporting and athletic goods                | 425    | 397    |        |        | 7    | 8    |      |      | 48    | 79    |       |       |
| 3509 Manufacturing industries, n e c            | 5361   | 6125   |        |        | 50   | 50   |      |      | 297   | 463   |       |       |
| 3 Total manufacturing                           | 141976 | 142908 | 136889 | 139294 | 4935 | 4798 | 4486 | 4314 | 41609 | 60028 | 61160 | 62121 |

United Kingdom

| ISIC Industry                                    | Note | Output in factor values |       |       |        | Note | Value added in factor values |       |       |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-------------------------|-------|-------|--------|------|------------------------------|-------|-------|------|--------------------------------|------|--|------|
|  |      | (million POUNDS)        |       |       |        |      | (million POUNDS)             |       |       |      | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                    | 1990  | 1991  | 1992a/ |      | 1985                         | 1990  | 1991  | 1992 | 1985                           | 1992 | 1985                                       | 1992 |
| 311/2 Food Products                              |      | 31160                   | 40472 | 41542 | 43417  | 9400 | 14080                        | 14790 | 15279 | 30.2 | 35.2                           | 37.0 | 37.4                                       |      |
| 3111 Slaughtering, preparing & preserving meat   |      |                         |       |       |        | 1560 | 2390                         |       |       |      |                                | 44.2 |  |      |
| 3112 Dairy products                              |      |                         |       |       |        | 1090 | 1420                         |       |       |      |                                | 30.6 |  |      |
| 3113 Canning, preserving of fruits & vegetables  |      |                         |       |       |        | 300  | 450                          |       |       |      |                                | 40.0 |  |      |
| 3114 Canning, preserving and processing of fish  |      |                         |       |       |        | 390  | 370                          |       |       |      |                                | 43.6 |  |      |
| 3115 Vegetable and animal oils and fats          |      |                         |       |       |        | 300  | 330                          |       |       |      |                                | 23.3 |  |      |
| 3116 Grain mill products                         |      |                         |       |       |        | 280  | 330                          |       |       |      |                                | 22.3 |  |      |
| 3117 Bakery products                             |      |                         |       |       |        | 1630 | 2550                         |       |       |      |                                | 60.7 |  |      |
| 3118 Sugar factories and refineries              |      |                         |       |       |        | 290  | 410                          |       |       |      |                                | 29.7 |  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      |                         |       |       |        | 1010 | 1980                         |       |       |      |                                | 39.0 |  |      |
| 3121 Other food products                         |      |                         |       |       |        | 1880 | 2850                         |       |       |      |                                | 28.9 |  |      |
| 3122 Prepared animal feeds                       |      |                         |       |       |        | 690  | 1000                         |       |       |      |                                | 27.7 |  |      |
| 313 Beverages                                    |      | 6080                    | 8661  | 8739  | 11069  | 2740 | 3720                         | 3833  | 4071  | 46.1 | 36.8                           | 24.8 | 26.3                                       |      |
| 3131 Distilling, rectifying and blending spirits |      |                         |       |       |        | 890  | 1020                         |       |       |      |                                | 16.0 |  |      |
| 3132 Wine industries                             |      |                         |       |       |        | 160  | 230                          |       |       |      |                                | 26.9 |  |      |
| 3133 Malt liquors and malt                       |      |                         |       |       |        | 1240 | 1410                         |       |       |      |                                | 29.3 |  |      |
| 3134 Soft drinks and carbonated waters           |      |                         |       |       |        | 460  | 1060                         |       |       |      |                                | 29.3 |  |      |
| 314 Tobacco                                      |      | 1790                    | 2040  | 2205  | 7339   | 1140 | 1330                         | 1506  | 1626  | 63.7 | 20.8                           | 25.8 | 16.6                                       |      |
| 321 Textiles                                     |      | 7470                    | 8791  | 8468  | 8663   | 3020 | 3940                         | 3859  | 4044  | 40.4 | 46.7                           | 61.0 | 61.8                                       |      |
| 3211 Spinning, weaving and finishing textiles    |      |                         |       |       |        | 1460 | 1730                         |       |       |      |                                | 49.9 |  |      |
| 3212 Made up textile goods excl. wearing apparel |      |                         |       |       |        | 300  | 470                          |       |       |      |                                | 49.0 |  |      |
| 3213 Knitting mills                              |      |                         | 1932  | 1963  |        | 800  | 990                          | 998   |       |      |                                | 66.6 |  |      |
| 3214 Carpets and rugs                            |      |                         |       |       |        | 310  | 560                          |       |       |      |                                | 48.7 |  |      |
| 3215 Cordage, rope and twine                     |      |                         |       |       |        | 40   | 50                           |       |       |      |                                | 42.5 |  |      |
| 3219 Other textiles                              |      |                         |       |       |        | 110  | 140                          |       |       |      |                                | 46.4 |  |      |
| 322 Wearing apparel, except foot-wear            |      | 4190                    | 5065  | 4767  | 5034   | 2030 | 2620                         | 2423  | 2596  | 48.4 | 51.6                           | 53.1 | 61.9                                       |      |
| 323 Leather and fur products                     |      | 870                     | 896   | 738   | 746    | 290  | 300                          | 307   | 308   | 33.3 | 41.3                           | 47.9 | 61.0                                       |      |
| 3231 Tanneries and leather finishing             |      |                         |       |       |        | 160  | 140                          |       |       |      |                                | 46.0 |  |      |
| 3232 Fur dressing and dyeing industries          |      | 50                      |       |       |        | 20   |                              |       |       | 40.0 |                                | 66.0 |  |      |
| 3233 Leather prod. excl. wearing apparel         |      |                         |       |       |        | 120  | 160                          |       |       |      |                                | 49.2 |  |      |
| 324 Footwear, except rubber or plastic           |      | 1060                    | 1408  | 1376  | 1403   | 580  | 710                          | 697   | 706   | 64.7 | 60.3                           | 63.8 | 61.8                                       |      |
| 331 Wood products, except furniture              |      | 3260                    | 4674  | 4149  | 4049   | 1200 | 1800                         | 1612  | 1599  | 36.8 | 39.6                           | 49.2 | 49.1                                       |      |
| 3311 Sawmills, planing and other wood mills      |      |                         |       |       |        | 370  | 450                          |       |       |      |                                | 46.8 |  |      |
| 3312 Wooden and cane containers                  |      |                         |       |       |        | 140  | 210                          |       |       |      |                                | 61.4 |  |      |
| 3319 Other wood and cork products                |      |                         |       |       |        | 690  | 1140                         |       |       |      |                                | 60.1 |  |      |
| 332 Furniture and fixtures, excl. metal          |      | 3380                    | 5448  | 5138  | 6222   | 1620 | 2660                         | 2447  | 2486  | 47.9 | 47.6                           | 49.0 | 62.1                                       |      |
| 341 Paper and products                           |      | 7190                    | 10441 | 10370 | 10619  | 2940 | 4600                         | 4656  | 4804  | 40.9 | 46.7                           | 46.0 | 43.0                                       |      |
| 3411 Pulp, paper and paperboard articles         |      | 2140                    | 3241  | 3159  |        | 720  | 1240                         | 1319  |       | 33.6 |                                | 42.6 |  |      |
| 3412 Containers of paper and paperboard          |      |                         |       |       |        | 1010 | 1610                         |       |       |      |                                | 62.9 |  |      |
| 3419 Other pulp, paper and paperboard articles   |      |                         |       |       |        | 1210 | 1750                         |       |       |      |                                | 42.2 |  |      |
| 342 Printing and publishing                      |      | 10980                   | 17863 | 17986 | 19648  | 6790 | 11000                        | 11194 | 12363 | 61.8 | 62.9                           | 46.8 | 40.0                                       |      |
| 351 Industrial chemicals                         |      | 17370                   | 20336 | 19629 | 19780  | 6660 | 7940                         | 7768  | 8031  | 32.6 | 40.6                           | 29.7 | 33.7                                       |      |
| 3511 Basic chemicals excl. fertilizers           |      | 11620                   | 13700 | 13224 |        | 3800 | 6490                         | 6428  |       | 32.7 |                                | 29.8 |  |      |
| 3512 Fertilizers and pesticides                  |      |                         | 2493  | 2374  |        | 890  | 990                          | 917   |       |      |                                | 22.2 |  |      |
| 3513 Synthetic resins and plastic materials      |      | 3140                    | 4143  | 4032  |        | 960  | 1460                         | 1413  |       | 30.6 |                                | 33.2 |  |      |
| 352 Other chemicals                              |      | 10000                   | 15428 | 16066 | 17821  | 6120 | 8340                         | 8800  | 9886  | 61.2 | 66.6                           | 29.4 | 29.3                                       |      |
| 3521 Paints, varnishes and lacquers              |      |                         | 1888  | 1879  |        | 610  | 840                          | 893   |       |      |                                | 36.2 |  |      |
| 3522 Drugs and medicines                         |      | 4040                    | 6843  | 7629  |        | 2420 | 4470                         | 4874  |       | 69.9 |                                | 27.4 |  |      |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      |                         | 3746  | 3823  |        | 1160 | 1790                         | 1861  |       |      |                                | 22.1 |  |      |
| 3529 Other chemical products                     |      |                         | 2961  | 2836  |        | 930  | 1240                         | 1182  |       |      |                                | 40.0 |  |      |
| 353 Petroleum refineries                         |      | 15040                   | 11562 | 10554 | 17844  | 1320 | 2480                         | 1484  | 1429  | 6.8  | 8.0                            | 12.3 | 16.3                                       |      |

|   |        |        |        |        |       |        |        |        |      |      |      |      |
|---|--------|--------|--------|--------|-------|--------|--------|--------|------|------|------|------|
| 354 Misc petroleum and coal products            | 1130   | 1039   | 1013   | 983    | 330   | 420    | 406    | 408    | 29 2 | 41 5 | 30 6 | 29 4 |
| 355 Rubber products                             | 2320   | 3238   | 3178   | 3180   | 1160  | 1690   | 1678   | 1686   | 50 0 | 53 0 | 48 4 | 48 5 |
| 3551 Tyres and tubes                            |        |        |        |        | 510   | 750    |        |        |      |      | 48 8 |      |
| 3559 Other rubber products                      |        |        |        |        | 650   | 940    |        |        |      |      | 48 2 |      |
| 356 Plastic products                            | 5210   | 9846   | 9708   | 10742  | 2380  | 4620   | 4607   | 5286   | 45 7 | 49 2 | 44 3 | 42 5 |
| 361 Pottery, china, earthenware                 | 880    | 1211   | 1172   | 1169   | 590   | 820    | 806    | 796    | 67 0 | 68 1 | 49 8 | 54 5 |
| 362 Glass and products                          | 1390   | 2051   | 2063   | 2067   | 740   | 1170   | 1158   | 1147   | 63 2 | 65 5 | 47 0 | 49 1 |
| 369 Other non-metallic mineral products         | 6320   | 9367   | 7960   | 7628   | 3240  | 5060   | 4274   | 4100   | 51 3 | 53 7 | 32 4 | 36 0 |
| 3691 Structural clay products                   |        |        |        |        | 430   | 640    |        |        |      |      | 38 8 |      |
| 3692 Cement, lime and plaster                   |        |        |        |        | 420   | 570    |        |        |      |      | 23 6 |      |
| 3599 Other non-metallic mineral products        |        |        |        |        | 2390  | 3850   |        |        |      |      | 32 8 |      |
| 371 Iron and steel                              | 9380   | 11586  | 10427  | 9946   | 3350  | 4530   | 4029   | 3878   | 35 7 | 39 0 | 47 4 | 48 9 |
| 372 Non-ferrous metals                          | 4580   | 5936   | 5015   | 5036   | 1160  | 1660   | 1388   | 1462   | 25 3 | 29 0 | 48 8 | 51 2 |
| 381 Fabricated metal products                   | 11780  | 17484  | 16515  | 15996  | 5560  | 8410   | 8047   | 7838   | 47 2 | 49 0 | 50 9 | 52 8 |
| 3811 Cutlery, hand tools and general hardware   |        |        |        |        | 80    | 100    |        |        |      |      | 46 2 |      |
| 3812 Furniture and fixtures primarily of metal  |        |        |        |        | 300   | 480    |        |        |      |      | 49 3 |      |
| 3813 Structural metal products                  |        | 6024   | 5780   |        | 2030  | 2850   | 2791   |        |      |      | 55 1 |      |
| 3819 Other fabricated metal products            |        |        |        |        | 3150  | 4980   |        |        |      |      | 48 5 |      |
| 382 Non-electrical machinery                    | 24320  | 36648  | 34704  | 35353  | 11640 | 16840  | 16064  | 16014  | 47 9 | 46 3 | 46 2 | 50 3 |
| 3821 Engines and turbines                       |        | 1396   | 1314   |        | 470   | 500    | 572    |        |      |      | 50 8 |      |
| 3822 Agricultural machinery and equipment       |        | 1632   | 1192   |        | 410   | 470    | 272    |        |      |      | 48 8 |      |
| 3823 Metal and wood working machinery           |        | 4363   | 3794   |        | 1600  | 2230   | 2033   |        |      |      | 48 7 |      |
| 3824 Other special industrial machinery         |        | 6871   | 6399   |        | 2580  | 3290   | 3322   |        |      |      | 46 2 |      |
| 3825 Office, computing and accounting machinery | 4300   | 8310   | 8290   |        | 1780  | 3190   | 2987   |        | 41 4 |      | 36 6 |      |
| 3829 Other non-electrical machinery & equipment |        | 14077  | 13718  |        | 4800  | 7060   | 6877   |        |      |      | 51 0 |      |
| 383 Electrical machinery                        | 20000  | 26943  | 25706  | 26049  | 9550  | 12520  | 12121  | 12178  | 47 8 | 46 8 | 48 0 | 51 4 |
| 3831 Electrical industrial machinery            |        | 7040   | 7217   |        | 2560  | 3660   | 3502   |        |      |      | 53 0 |      |
| 3832 Radio, television and communication equipm | 10550  | 13951  | 13101  |        | 4980  | 6360   | 6079   |        | 47 2 |      | 48 5 |      |
| 3833 Electrical appliances and housewares       |        | 1753   | 1804   |        | 590   | 740    | 802    |        |      |      | 48 1 |      |
| 3839 Other electrical apparatus and supplies    |        | 4201   | 3582   |        | 1420  | 1860   | 1638   |        |      |      | 48 0 |      |
| 384 Transport equipment                         | 24330  | 39212  | 36598  | 40566  | 9970  | 16210  | 14371  | 14906  | 41 0 | 36 7 | 53 7 | 51 8 |
| 3841 Shipbuilding and repairing                 | 2380   | 2467   | 2367   |        | 1290  | 1390   | 1217   |        | 54 2 |      | 67 7 |      |
| 3842 Railroad equipment                         |        | 869    | 814    |        | 380   | 360    | 341    |        |      |      | 61 3 |      |
| 3843 Motor vehicles                             | 14280  | 23860  | 21053  |        | 5270  | 7980   | 6546   |        | 36 9 |      | 50 0 |      |
| 3844 Motorcycles and bicycles                   |        | 202    | 187    |        | 50    | 90     | 83     |        |      |      | 68 0 |      |
| 3845 Aircraft                                   |        | 11900  | 12059  |        | 2940  | 6340   | 6134   |        |      |      | 67 3 |      |
| 3849 Other transport equipment                  |        | 114    | 117    |        | 40    | 50     | 51     |        |      |      | 67 5 |      |
| 385 Professional and scientific equipment       | 2520   | 3847   | 3928   | 4217   | 1390  | 2050   | 2230   | 2304   | 55 2 | 54 5 | 48 3 | 46 0 |
| 3851 Prof and scientific equipment n e c        |        | 2780   | 2800   |        | 1040  | 1570   | 1669   |        |      |      | 46 2 |      |
| 3852 Photographic and optical goods             |        | 964    | 1024   |        | 310   | 430    | 510    |        |      |      | 55 2 |      |
| 3853 Watches and clocks                         |        | 103    | 104    |        | 40    | 50     | 51     |        |      |      | 50 0 |      |
| 390 Other manufacturing industries              | 2100   | 3226   | 2987   | 3198   | 1000  | 1560   | 1483   | 1624   | 47 6 | 50 8 | 43 9 | 43 8 |
| 3901 Jewellery and related articles             |        | 729    | 677    |        | 190   | 290    | 304    |        |      |      | 40 0 |      |
| 3902 Musical instruments                        |        |        |        |        | 30    | 40     |        |        |      |      | 60 0 |      |
| 3903 Sporting and athletic goods                |        |        |        |        | 110   | 180    |        |        |      |      | 43 6 |      |
| 3909 Manufacturing industries, n e c            |        |        |        |        | 670   | 1050   |        |        |      |      | 44 3 |      |
| 3 Total manufacturing                           | 236100 | 324719 | 312701 | 338697 | 95900 | 142770 | 138028 | 142758 | 40 5 | 42 1 | 43 3 | 43 5 |

a/ Output in producers' prices

## United Kingdom

## Gross fixed capital formation

(million POUNDS)

| ISIC Industry                             | Note | 1985 | 1990  | 1991  | 1992  |
|---|------|------|-------|-------|-------|
| 311/2 Food Products                       |      | 960  | 1494  | 1560  | 1598  |
| 313 Beverages                             |      | 330  | 551   | 498   | 461   |
| 314 Tobacco                               |      | 49   | 32    | 78    | 52    |
| 321 Textiles                              |      | 287  | 280   | 267   | 306   |
| 322 wearing apparel, except footwear      |      | 110  | 122   | 84    | 78    |
| 323 Leather and fur products              |      | 14   | 17    | 12    | 16    |
| 324 Footwear, except rubber or plastic    |      | 26   | 23    | 25    | 26    |
| 331 Wood products, except furniture       |      | 98   | 133   | 104   | 127   |
| 332 Furniture and fixtures, excl metal    |      | 107  | 118   | 116   | 127   |
| 341 Paper and products                    |      | 339  | 496   | 541   | 542   |
| 342 Printing and publishing               |      | 506  | 901   | 933   | 757   |
| 351 Industrial chemicals                  |      | 1148 | 2077  | 2084  | 1638  |
| 352 Other chemicals                       |      | 564  | 883   | 901   | 1040  |
| 353 Petroleum refineries                  |      | 248  | 321   | 401   | 400   |
| 354 Misc petroleum and coal products      |      | 26   | 37    | 21    | 24    |
| 355 Rubber products                       |      | 70   | 139   | 124   | 134   |
| 356 Plastic products                      |      | 318  | 572   | 457   | 509   |
| 361 Pottery, china, earthenware           |      | 39   | 54    | 37    | 52    |
| 362 Glass and products                    |      | 64   | 206   | 132   | 119   |
| 369 Other non-metallic mineral products   |      | 421  | 631   | 311   | 235   |
| 371 Iron and steel                        |      | 324  | 603   | 461   | 353   |
| 372 Non-ferrous metals                    |      | 107  | 198   | 168   | 182   |
| 381 Fabricated metal products             |      | 366  | 663   | 479   | 409   |
| 382 Non-electrical machinery              |      | 880  | 1231  | 1036  | 881   |
| 383 Electrical machinery                  |      | 880  | 1062  | 941   | 961   |
| 384 Transport equipment                   |      | 983  | 2092  | 2102  | 1718  |
| 385 Professional and scientific equipment |      | 109  | 144   | 160   | 162   |
| 390 Other manufacturing industries        |      | 54   | 97    | 86    | 84    |
| 3 Total manufacturing                     |      | 9427 | 15176 | 14107 | 12983 |

a/ 331 includes 332

## Index numbers of industrial production

(1980=100)

| Note | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
|------|------|------|------|------|------|------|------|------|------|
|      | 106  | 106  | 106  | 108  | 111  | 111  | 111  | 111  | 113  |
|      | 98   | 98   | 101  | 103  | 102  | 108  | 109  | 106  | 103  |
|      | 92   | 84   | 75   | 83   | 85   | 83   | 85   | 87   | 91   |
|      | 94   | 98   | 98   | 103  | 102  | 98   | 94   | 87   | 87   |
|      | 103  | 111  | 110  | 111  | 110  | 107  | 109  | 98   | 100  |
|      | 101  | 92   | 97   | 100  | 90   | 89   | 75   | 66   | 67   |
|      | 87   | 89   | 90   | 93   | 90   | 82   | 81   | 73   | 70   |
| a/   | 100  | 100  | 103  | 113  | 127  | 127  | 123  | 111  | 111  |
| a/   |      |      |      |      |      |      |      |      |      |
|      | 94   | 94   | 96   | 101  | 106  | 108  | 111  | 110  | 112  |
|      | 98   | 101  | 106  | 118  | 132  | 141  | 142  | 136  | 137  |
|      | 112  | 116  | 117  | 121  | 125  | 129  | 125  | 130  | 128  |
|      | 113  | 117  | 122  | 132  | 140  | 148  | 149  | 152  | 160  |
|      | 99   | 100  | 101  | 102  | 110  | 112  | 112  | 118  | 118  |
|      | 65   | 90   | 91   | 91   | 89   | 85   | 81   | 79   | 74   |
|      | 81   | 83   | 84   | 92   | 96   | 99   | 98   | 94   | 89   |
|      | 123  | 125  | 138  | 157  | 178  | 188  | 193  | 184  | 196  |
|      | 94   | 99   | 96   | 98   | 104  | 106  | 97   | 89   | 88   |
|      | 105  | 107  | 107  | 114  | 121  | 124  | 123  | 118  | 116  |
|      | 97   | 94   | 97   | 103  | 115  | 118  | 111  | 99   | 94   |
|      | 100  | 106  | 104  | 114  | 128  | 129  | 121  | 107  | 103  |
|      | 97   | 94   | 95   | 95   | 108  | 111  | 109  | 100  | 95   |
|      | 106  | 104  | 103  | 104  | 111  | 116  | 116  | 108  | 102  |
|      | 96   | 105  | 102  | 107  | 121  | 129  | 133  | 122  | 122  |
|      | 113  | 115  | 117  | 119  | 129  | 136  | 134  | 125  | 120  |
|      | 87   | 90   | 94   | 97   | 102  | 114  | 113  | 103  | 102  |
|      | 102  | 111  | 110  | 116  | 129  | 127  | 128  | 125  | 123  |
|      | 79   | 80   | 80   | 85   | 94   | 99   | 98   | 87   | 88   |
|      | 100  | 103  | 106  | 109  | 118  | 122  | 122  | 116  | 116  |

## UNITED STATES OF AMERICA

### Supplier of information:

The Bureau of the Census, Department of Commerce, Washington, D.C. Industrial statistics for the OECD countries are compiled by the OECD secretariat, which supplies them to UNIDO. The notes appearing here are based on information in the OECD publication *Industrial Structure Statistics* (annual), OECD, Paris.

### Basic source of data:

Census of Manufactures (every five years) and Annual Survey of Manufactures.

### Major deviations from current version of ISIC:

The following are excluded from the national concept of manufacturing: (a) small-scale processing activities carried out as a secondary activity in agriculture; (b) custom work to the individual order of household consumers; (c) some repair activities and repair shops of railroads; (d) production of coke for own use by public utility companies; (e) manufacturing by retail establishments selling most of their products on their premises to household consumers; (f) manufacturing by construction contractors at the site.

### Reference period (if not calendar year):

### Scope:

All manufacturing establishments with at least one employee.

### Method of enumeration:

The Census of Manufactures is carried out for years ending in 2 and 7. The annual survey takes a sample of around 55 000 establishments, representing a coverage of about two-thirds of total manufacturing employment.

### Adjusted for non-response:

Yes

### Concepts and definitions of variables:

Number of employees refers to all full- and part-time employees on the payrolls of operating establishments. An average of four quarterly observations (taken on 12 March, May, August and November) is taken for production workers (operatives) and combined with the figure for all other employees that is taken on 12 March.

Wages and salaries covers gross earnings, including wages, salaries and employers' contributions to pension funds and social security schemes. Regular and overtime cash payments, bonuses and cost of living allowances are included, as are vacation and sick leave pay, taxes and social insurance contributions payable by employees and deducted by employers, payments in kind and allowances. Also included are payments for health insurance, life insurance, pension plans and stock purchase plans. Wages and salaries are based upon the remuneration minus supplemental labour costs.

Output is measured as deliveries in terms of shipments, fob, adjusted for change in inventory for work-in-process and finished goods. Goods shipped include goods produced in the establishments, those shipped in the same condition as received, and receipts for industrial work done on materials owned by others or industrial services rendered to others. The value of goods shipped is in producer prices. In industries where the product is typically delivered, the value of shipments is in delivered prices.

Value added is based on the census concept and is calculated as output less the cost of materials, fuels and other supplies, goods shipped in the same condition as received, contract and commission work done by others, and electricity purchased. Input estimates are on a consumed basis. Valuation is the same as for output.

Gross fixed capital formation relates to the value of new plant and equipment purchased and constructed by the unit's own labour force for its own use. Used plant and equipment purchases are excluded. Fixed assets are defined as those with a productive life of more than one year. The valuation of new fixed capital formation is at full cost and includes the value of additions, alterations, improvements and repairs to existing assets (if capitalized). Purchased new assets are at delivered prices and include the cost of installation but exclude fees and taxes.

### Related national publications:

Census of Manufactures; Annual Survey of Manufactures, both published by the Bureau of the Census, Department of Commerce, Washington, D.C.

## United States of America

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note | Number of employees |      |      |      | Note | Wages and salaries paid to employees |      |      |      |
|--|------|--------------------------|------|------|------|------|---------------------|------|------|------|------|--------------------------------------|------|------|------|
|  |      | (numbers)                |      |      |      |      | (thousands)         |      |      |      |      | (billion DOLLARS)                    |      |      |      |
|  |      | 1985                     | 1989 | 1990 | 1991 |      | 1985                | 1989 | 1990 | 1991 |      | 1985                                 | 1989 | 1990 | 1991 |
| 311/2 Food Products                              |      |                          |      |      |      | 1249 | 1315                | 1333 | 1339 |      | 23.8 | 27.9                                 | 29.2 | 30.0 |      |
| 3111 Slaughtering, preparing & preserving meat   |      |                          |      |      |      | 303  | 363                 | 377  | 390  |      | 4.9  | 6.3                                  | 6.7  | 7.0  |      |
| 3112 Dairy products                              |      |                          |      |      |      | 138  | 139                 | 139  | 136  |      | 2.8  | 3.4                                  | 3.6  | 3.6  |      |
| 3113 Canning, preserving of fruits & vegetables  |      |                          |      |      |      | 174  | 160                 | 152  | 151  |      | 3.0  | 2.9                                  | 3.1  | 3.2  |      |
| 3114 Canning, preserving and processing of fish  |      |                          |      |      |      | 40   | 44                  | 48   | 47   |      | 0.6  | 0.7                                  | 0.8  | 0.8  |      |
| 3115 Vegetable and animal oils and fats          |      |                          |      |      |      | 34   | 30                  | 29   | 28   |      | 0.8  | 0.8                                  | 0.8  | 0.7  |      |
| 3116 Grain mill products                         |      |                          |      |      |      | 50   | 45                  | 45   | 44   |      | 1.4  | 1.4                                  | 1.4  | 1.5  |      |
| 3117 Bakery products                             |      |                          |      |      |      | 216  | 220                 | 214  | 215  |      | 4.6  | 6.2                                  | 6.3  | 6.4  |      |
| 3118 Sugar factories and refineries              |      |                          |      |      |      | 20   | 19                  | 19   | 19   |      | 0.5  | 0.6                                  | 0.6  | 0.6  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      |                          |      |      |      | 71   | 72                  | 74   | 73   |      | 1.4  | 1.6                                  | 1.7  | 1.4  |      |
| 3121 Other food products                         |      |                          |      |      |      | 107  | 185                 | 187  | 187  |      | 2.1  | 4.0                                  | 4.3  | 4.4  |      |
| 3122 Prepared animal feeds                       |      |                          |      |      |      | 96   | 48                  | 49   | 49   |      | 1.8  | 1.2                                  | 1.2  | 1.2  |      |
| 313 Beverages                                    |      |                          |      |      |      | 171  | 143                 | 137  | 137  |      | 4.3  | 4.2                                  | 4.2  | 4.3  |      |
| 3131 Distilling, rectifying and blending spirits |      |                          |      |      |      | 10   | 8                   | 7    | 7    |      | 0.3  | 0.2                                  | 0.2  | 0.2  |      |
| 3132 Wine industries                             |      |                          |      |      |      | 13   | 14                  | 14   | 14   |      | 0.3  | 0.4                                  | 0.4  | 0.4  |      |
| 3133 Malt liquors and malt                       |      |                          |      |      |      | 42   | 34                  | 34   | 34   |      | 1.4  | 1.4                                  | 1.5  | 1.5  |      |
| 3134 Soft drinks and carbonated waters           |      |                          |      |      |      | 106  | 87                  | 82   | 82   |      | 2.3  | 2.2                                  | 2.1  | 2.2  |      |
| 314 Tobacco                                      |      |                          |      |      |      | 49   | 43                  | 41   | 40   |      | 1.4  | 1.5                                  | 1.5  | 1.5  |      |
| 321 Textiles                                     |      |                          |      |      |      | 839  | 849                 | 829  | 791  |      | 12.8 | 15.3                                 | 15.1 | 15.0 |      |
| 3211 Spinning, weaving and finishing textiles    |      |                          |      |      |      | 376  | 361                 | 347  | 335  |      | 5.8  | 6.8                                  | 6.6  | 6.6  |      |
| 3212 Made-up textile goods excl. wearing apparel |      |                          |      |      |      | 175  | 188                 | 189  | 186  |      | 2.6  | 3.2                                  | 3.3  | 3.4  |      |
| 3213 Knitting mills                              |      |                          |      |      |      | 193  | 200                 | 198  | 181  |      | 2.6  | 3.2                                  | 3.2  | 3.0  |      |
| 3214 Carpets and rugs                            |      |                          |      |      |      | 48   | 55                  | 52   | 49   |      | 0.8  | 1.1                                  | 1.1  | 1.0  |      |
| 3215 Cordage, rope and twine                     |      |                          |      |      |      | 6    | 7                   | 7    | 7    |      | 0.1  | 0.1                                  | 0.1  | 0.1  |      |
| 3219 Other textiles                              |      |                          |      |      |      | 41   | 38                  | 36   | 33   |      | 0.8  | 0.9                                  | 0.9  | 0.9  |      |
| 322 Wearing apparel, except footwear             |      |                          |      |      |      | 887  | 832                 | 807  | 776  |      | 9.9  | 10.8                                 | 10.8 | 10.8 |      |
| 323 Leather and fur products                     |      |                          |      |      |      | 42   | 47                  | 48   | 46   |      | 0.8  | 0.9                                  | 0.9  | 0.9  |      |
| 3231 Tanneries and leather finishing             |      |                          |      |      |      | 14   | 12                  | 12   | 12   |      | 0.3  | 0.3                                  | 0.3  | 0.3  |      |
| 3232 Fur dressing and dyeing industries          |      |                          |      |      |      |      |                     |      |      |      |      |                                      |      |      |      |
| 3233 Leather prods. excl. wearing apparel        |      |                          |      |      |      | 38   | 35                  | 36   | 34   |      | 0.5  | 0.6                                  | 0.6  | 0.6  |      |
| 324 Footwear, except rubber or plastic           |      |                          |      |      |      | 92   | 70                  | 67   | 58   |      | 1.1  | 1.0                                  | 1.0  | 0.9  |      |
| 331 Wood products, except furniture              |      |                          |      |      |      | 447  | 511                 | 508  | 470  |      | 7.7  | 10.0                                 | 10.1 | 9.6  |      |
| 3311 Sawmills, planing and other wood mills      |      |                          |      |      |      | 343  | 404                 | 395  | 362  |      | 6.2  | 8.3                                  | 8.3  | 7.8  |      |
| 3312 Wooden and cane containers                  |      |                          |      |      |      | 33   | 42                  | 42   | 40   |      | 0.5  | 0.6                                  | 0.6  | 0.6  |      |
| 3319 Other wood and cork products                |      |                          |      |      |      | 71   | 65                  | 71   | 68   |      | 1.1  | 1.0                                  | 1.2  | 1.2  |      |
| 332 Furniture and fixtures, excl. metal          |      |                          |      |      |      | 423  | 441                 | 438  | 406  |      | 6.5  | 8.0                                  | 8.2  | 7.8  |      |
| 341 Paper and products                           |      |                          |      |      |      | 605  | 590                 | 590  | 586  |      | 15.4 | 17.5                                 | 18.1 | 18.5 |      |
| 3411 Pulp, paper and paperboard articles         |      |                          |      |      |      | 248  | 197                 | 199  | 198  |      | 7.6  | 7.5                                  | 7.8  | 8.0  |      |
| 3412 Containers of paper and paperboard          |      |                          |      |      |      | 236  | 219                 | 217  | 217  |      | 5.1  | 5.5                                  | 5.6  | 5.8  |      |
| 3419 Other pulp, paper and paperboard articles   |      |                          |      |      |      | 121  | 174                 | 174  | 171  |      | 2.6  | 4.5                                  | 4.7  | 4.8  |      |
| 342 Printing and publishing                      |      |                          |      |      |      | 1360 | 1504                | 1538 | 1488 |      | 28.2 | 36.6                                 | 38.8 | 38.7 |      |
| 351 Industrial chemicals                         |      |                          |      |      |      | 401  | 394                 | 402  | 401  |      | 12.4 | 14.4                                 | 15.3 | 15.8 |      |
| 3511 Basic chemicals excl. fertilizers           |      |                          |      |      |      | 228  | 221                 | 227  | 231  |      | 7.3  | 8.4                                  | 9.0  | 9.6  |      |
| 3512 Fertilizers and pesticides                  |      |                          |      |      |      | 45   | 42                  | 43   | 41   |      | 1.2  | 1.3                                  | 1.5  | 1.4  |      |
| 3513 Synthetic resins and plastic materials      |      |                          |      |      |      | 128  | 131                 | 132  | 129  |      | 3.9  | 4.6                                  | 4.8  | 4.9  |      |
| 352 Other chemicals                              |      |                          |      |      |      | 466  | 490                 | 485  | 479  |      | 12.0 | 15.0                                 | 15.7 | 16.2 |      |
| 3521 Paints, varnishes and lacquers              |      |                          |      |      |      | 55   | 65                  | 64   | 61   |      | 1.4  | 1.6                                  | 1.6  | 1.6  |      |
| 3522 Drugs and medicines                         |      |                          |      |      |      | 164  | 184                 | 183  | 184  |      | 4.7  | 6.5                                  | 6.9  | 7.2  |      |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      |                          |      |      |      | 123  | 108                 | 107  | 103  |      | 2.9  | 3.0                                  | 3.2  | 3.2  |      |
| 3529 Other chemical products                     |      |                          |      |      |      | 124  | 143                 | 141  | 141  |      | 3.0  | 3.9                                  | 4.1  | 4.2  |      |
| 353 Petroleum refineries                         |      |                          |      |      |      | 86   | 72                  | 72   | 74   |      | 3.1  | 3.0                                  | 3.2  | 3.6  |      |



|  |       |       |       |       |       |        |        |        |
|--|-------|-------|-------|-------|-------|--------|--------|--------|
| 354 Misc petroleum and coal products               | 42    | 39    | 40    | 39    | 1 1   | 1 2    | 1 3    | 1 3    |
| 355 Rubber products                                | 201   | 210   | 205   | 197   | 4 7   | 5 5    | 5 4    | 5 3    |
| 3551 Tyres and tubes                               | 70    | 68    | 68    | 66    | 2 1   | 2 3    | 2 3    | 2 3    |
| 3559 Other rubber products                         | 131   | 142   | 137   | 131   | 2 7   | 3 2    | 3 0    | 3 0    |
| 356 Plastic products                               | 541   | 673   | 670   | 646   | 10 0  | 14 3   | 14 9   | 15 1   |
| 361 Pottery, china, earthenware                    | 34    | 38    | 38    | 37    | 0 7   | 0 8    | 0 8    | 0 8    |
| 362 Glass and products                             | 138   | 143   | 141   | 133   | 3 3   | 3 8    | 3 8    | 3 7    |
| 369 Other non-metallic mineral products            | 348   | 372   | 364   | 339   | 7 5   | 9 2    | 9 4    | 8 9    |
| 3691 Structural clay products                      | 35    | 35    | 34    | 32    | 0 7   | 0 8    | 0 8    | 0 7    |
| 3692 Cement, lime and plaster                      | 27    | 23    | 22    | 21    | 0 8   | 0 7    | 0 8    | 0 7    |
| 3699 Other non-metallic mineral products           | 286   | 314   | 308   | 286   | 6 1   | 7 7    | 7 8    | 7 6    |
| 371 Iron and steel                                 | 449   | 420   | 413   | 392   | 12 7  | 13 7   | 13 9   | 13 3   |
| 372 Non-ferrous metals                             | 244   | 251   | 247   | 236   | 6 2   | 7 3    | 7 4    | 7 2    |
| 381 Fabricated metal products                      | 1360  | 1318  | 1297  | 1225  | 28 8  | 31 2   | 31 9   | 31 1   |
| 3811 Cutlery, hand tools and general hardware      | 146   | 146   | 139   | 132   | 3 3   | 3 5    | 3 5    | 3 4    |
| 3812 Furniture and fixtures primarily of metal     | 104   | 129   | 125   | 117   | 2 1   | 2 9    | 2 9    | 2 8    |
| 3813 Structural metal products                     | 391   | 406   | 406   | 379   | 8 2   | 9 7    | 10 0   | 9 6    |
| 3819 Other fabricated metal products               | 719   | 637   | 627   | 597   | 15 3  | 15 2   | 15 5   | 15 2   |
| 382 Non-electrical machinery                       | 2093  | 2114  | 2066  | 1954  | 53 2  | 61 9   | 61 9   | 60 4   |
| 3821 Engines and turbines                          | 72    | 85    | 83    | 78    | 2 2   | 3 0    | 3 0    | 2 9    |
| 3822 Agricultural machinery and equipment          | 89    | 94    | 94    | 90    | 2 1   | 2 3    | 2 4    | 2 3    |
| 3823 Metal and wood working machinery              | 264   | 276   | 270   | 253   | 6 6   | 8 1    | 8 2    | 7 8    |
| 3824 Other special industrial machinery            | 321   | 318   | 321   | 306   | 8 4   | 9 7    | 10 1   | 9 8    |
| 3825 Office, computing and accounting machinery    | 407   | 311   | 294   | 272   | 12 1  | 11 1   | 10 4   | 10 2   |
| 3829 Other non-electrical machinery & equipment    | 940   | 1030  | 1004  | 956   | 21 9  | 27 7   | 27 9   | 27 3   |
| 383 Electrical machinery                           | 2030  | 1589  | 1541  | 1470  | 49 3  | 43 5   | 43 8   | 43 4   |
| 3831 Electrical industrial machinery               | 352   | 311   | 294   | 279   | 8 2   | 8 1    | 7 8    | 7 7    |
| 3832 Radio, television and communication equipment | 1334  | 893   | 877   | 848   | 34 1  | 26 0   | 26 6   | 26 6   |
| 3833 Electrical appliances and housewares          | 58    | 53    | 52    | 50    | 1 1   | 1 1    | 1 1    | 1 1    |
| 3839 Other electrical apparatus and supplies       | 286   | 332   | 318   | 293   | 6 0   | 8 3    | 8 3    | 8 0    |
| 384 Transport equipment                            | 1899  | 1948  | 1914  | 1760  | 58 6  | 66 8   | 67 2   | 64 2   |
| 3841 Shipbuilding and repairing                    | 175   | 180   | 175   | 162   | 4 1   | 4 5    | 4 7    | 4 5    |
| 3842 Railroad equipment                            | 28    | 27    | 30    | 26    | 0 8   | 0 8    | 0 9    | 0 8    |
| 3843 Motor vehicles                                | 871   | 910a/ | 884a/ | 815a/ | 27 5  | 30 4a/ | 30 1a/ | 28 9a/ |
| 3844 Motorcycles and bicycles                      | 9     | 8     | 9     | 11    | 0 2   | 0 2    | 0 2    | 0 3    |
| 3845 Aircraft                                      | 746   | 823   | 816   | 746   | 24 8  | 30 8   | 31 3   | 29 6   |
| 3849 Other transport equipment                     | 70    | a/    | a/    | a/    | 1 2   | a/     | a/     | a/     |
| 385 Professional and scientific equipment          | 605   | 927   | 902   | 855   | 14 7  | 29 3   | 30 0   | 30 1   |
| 3851 Prof and scientific equipment n e c           | 416   | 783   | 764   | 720   | 9 6   | 24 8   | 25 5   | 25 4   |
| 3852 Photographic and optical goods                | 177   | 133   | 129   | 127   | 4 9   | 4 3    | 4 3    | 4 5    |
| 3853 Watches and clocks                            | 12    | 11    | 9     | 8     | 0 2   | 0 2    | 0 2    | 0 2    |
| 390 Other manufacturing industries                 | 313   | 370   | 369   | 347   | 5 4   | 7 1    | 7 4    | 7 3    |
| 3901 Jewellery and related articles                | 47    | 50    | 49    | 46    | 0 8   | 1 0    | 1 0    | 1 0    |
| 3902 Musical instruments                           | 12    | 12    | 12    | 12    | 0 2   | 0 2    | 0 2    | 0 2    |
| 3903 Sporting and athletic goods                   | 43    | 59    | 66    | 61    | 0 7   | 1 1    | 1 2    | 1 3    |
| 3909 Manufacturing industries, n e c               | 211   | 249   | 242   | 228   | 3 7   | 4 7    | 4 8    | 4 8    |
| 3 Total manufacturing                              | 17424 | 17713 | 17502 | 16721 | 395 2 | 461 5  | 471 0  | 465 2  |

a/ 3843 includes 3849

## United States of America

## Output in factor values

(billion DOLLARS)

| ISIC Industry                                    | Note | Output in factor values |       |       |       |
|--|------|-------------------------|-------|-------|-------|
|  |      | 1985                    | 1989  | 1990  | 1991  |
| 311/2 Food Products                              |      | 262.8                   | 319.1 | 337.2 | 338.6 |
| 3111 Slaughtering, preparing & preserving meat   |      | 67.1                    | 84.3  | 90.8  | 89.4  |
| 3112 Dairy products                              |      | 41.1                    | 48.1  | 51.0  | 49.9  |
| 3113 Canning, preserving of fruits & vegetables  |      | 28.4                    | 29.3  | 31.0  | 32.2  |
| 3114 Canning, preserving and processing of fish  |      | 4.6                     | 6.4   | 7.1   | 7.1   |
| 3115 Vegetable and animal oils and fats          |      | 17.4                    | 20.2  | 19.5  | 18.7  |
| 3116 Grain mill products                         |      | 18.3                    | 18.3  | 19.3  | 19.2  |
| 3117 Bakery products                             |      | 22.0                    | 26.2  | 27.4  | 27.8  |
| 3118 Sugar factories and refineries              |      | 5.6                     | 6.2   | 6.5   | 6.6   |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 11.5                    | 14.0  | 14.5  | 15.3  |
| 3121 Other food products                         |      | 24.6                    | 45.9  | 49.6  | 51.6  |
| 3122 Prepared animal feeds                       |      | 22.2                    | 20.2  | 20.6  | 20.8  |
| 313 Beverages                                    |      | 38.4                    | 45.3  | 46.9  | 49.0  |
| 3131 Distilling, rectifying and blending spirits |      | 3.5                     | 3.6   | 3.5   | 3.7   |
| 3132 Wine industries                             |      | 2.7                     | 3.5   | 3.7   | 3.6   |
| 3133 Malt liquors and malt                       |      | 12.8                    | 15.1  | 15.9  | 16.5  |
| 3134 Soft drinks and carbonated waters           |      | 19.4                    | 23.0  | 23.9  | 25.2  |
| 314 Tobacco                                      |      | 18.5                    | 25.8  | 29.9  | 32.0  |
| 321 Textiles                                     |      | 67.3                    | 85.1  | 84.4  | 84.0  |
| 3211 Spinning, weaving and finishing textiles    |      | 29.1                    | 37.2  | 36.7  | 36.9  |
| 3212 Made-up textile goods excl. wearing apparel |      | 13.3                    | 16.3  | 17.1  | 16.9  |
| 3213 Knitting mills                              |      | 11.8                    | 15.0  | 14.6  | 15.5  |
| 3214 Carpets and rugs                            |      | 8.0                     | 10.2  | 10.0  | 9.0   |
| 3215 Cordage, rope and twine                     |      | 0.4                     | 0.7   | 0.6   | 0.6   |
| 3219 Other textiles                              |      | 4.7                     | 5.6   | 5.4   | 5.2   |
| 322 Wearing apparel, except footwear             |      | 43.7                    | 47.2  | 47.5  | 48.6  |
| 323 Leather and fur products                     |      | 3.6                     | 5.1   | 5.1   | 4.8   |
| 3231 Tanneries and leather finishing             |      | 1.6                     | 2.5   | 2.4   | 2.2   |
| 3232 Fur dressing and dyeing industries          |      |                         |       |       |       |
| 3233 Leather prods. excl. wearing apparel        |      | 2.0                     | 2.6   | 2.7   | 2.7   |
| 324 Footwear, except rubber or plastic           |      | 4.7                     | 4.6   | 4.7   | 4.2   |
| 331 Wood products, except furniture              |      | 39.1                    | 54.7  | 54.3  | 52.2  |
| 3311 Sawmills, planing and other wood mills      |      | 32.5                    | 47.6  | 46.5  | 44.4  |
| 3312 Wooden and cane containers                  |      | 2.0                     | 2.6   | 2.9   | 2.9   |
| 3319 Other wood and cork products                |      | 4.6                     | 4.5   | 5.0   | 5.0   |
| 332 Furniture and fixtures, excl. metal          |      | 25.5                    | 32.3  | 33.1  | 31.7  |
| 341 Paper and products                           |      | 93.5                    | 125.7 | 126.0 | 123.7 |
| 3411 Pulp, paper and paperboard articles         |      | 46.1                    | 58.1  | 57.5  | 53.7  |
| 3412 Containers of paper and paperboard          |      | 28.5                    | 33.3  | 33.3  | 33.3  |
| 3419 Other pulp, paper and paperboard articles   |      | 18.9                    | 34.3  | 35.2  | 36.7  |
| 342 Printing and publishing                      |      | 112.2                   | 149.9 | 157.1 | 156.7 |
| 351 Industrial chemicals                         |      | 109.9                   | 157.9 | 159.1 | 155.7 |
| 3511 Basic chemicals excl. fertilizers           |      | 61.7                    | 90.2  | 92.4  | 90.9  |
| 3512 Fertilizers and pesticides                  |      | 14.8                    | 17.2  | 18.3  | 18.5  |
| 3513 Synthetic resins and plastic materials      |      | 33.4                    | 50.5  | 48.4  | 46.2  |
| 352 Other chemicals                              |      | 91.0                    | 124.8 | 134.0 | 142.2 |
| 3521 Paints, varnishes and lacquers              |      | 11.6                    | 13.7  | 14.2  | 14.3  |
| 3522 Drugs and medicines                         |      | 31.5                    | 49.1  | 53.7  | 60.8  |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      | 29.6                    | 32.9  | 35.6  | 35.7  |
| 3529 Other chemical products                     |      | 18.3                    | 29.2  | 30.4  | 31.4  |
| 353 Petroleum refineries                         |      | 167.0                   | 131.2 | 159.4 | 145.4 |

## Value added in factor values

(billion DOLLARS)

| ISIC Industry                                    | Note | Value added in factor values |       |       |       | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|------------------------------|-------|-------|-------|--------------------------------|------|--|------|
|  |      | 1985                         | 1989  | 1990  | 1991  | (percentage)                   |      | (percentage)                               |      |
| 311/2 Food Products                              |      | 88.0                         | 111.2 | 119.8 | 122.6 | 33.5                           | 36.2 | 27.0                                       | 24.4 |
| 3111 Slaughtering, preparing & preserving meat   |      | 13.0                         | 16.4  | 18.4  | 17.5  | 19.3                           | 19.6 | 37.7                                       | 40.2 |
| 3112 Dairy products                              |      | 9.6                          | 12.6  | 13.2  | 13.9  | 23.4                           | 27.8 | 29.9                                       | 26.0 |
| 3113 Canning, preserving of fruits & vegetables  |      | 11.9                         | 13.2  | 13.7  | 14.5  | 42.0                           | 44.9 | 25.1                                       | 22.3 |
| 3114 Canning, preserving and processing of fish  |      | 1.3                          | 1.9   | 2.1   | 2.3   | 28.3                           | 32.1 | 38.5                                       | 35.5 |
| 3115 Vegetable and animal oils and fats          |      | 2.8                          | 4.0   | 4.1   | 3.8   | 15.9                           | 20.4 | 27.1                                       | 19.4 |
| 3116 Grain mill products                         |      | 7.6                          | 9.0   | 9.7   | 10.1  | 41.6                           | 52.7 | 18.7                                       | 14.8 |
| 3117 Bakery products                             |      | 13.6                         | 15.9  | 16.7  | 17.2  | 61.9                           | 61.8 | 33.9                                       | 31.6 |
| 3118 Sugar factories and refineries              |      | 1.6                          | 1.9   | 2.0   | 2.0   | 27.9                           | 30.2 | 32.1                                       | 28.0 |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 5.8                          | 7.3   | 7.6   | 8.1   | 50.8                           | 52.9 | 23.1                                       | 17.8 |
| 3121 Other food products                         |      | 12.4                         | 22.8  | 25.6  | 26.9  | 50.5                           | 52.1 | 17.0                                       | 16.3 |
| 3122 Prepared animal feeds                       |      | 8.3                          | 6.3   | 6.8   | 6.5   | 37.6                           | 31.0 | 21.2                                       | 19.2 |
| 313 Beverages                                    |      | 16.2                         | 20.9  | 21.1  | 22.7  | 42.1                           | 46.4 | 26.7                                       | 19.0 |
| 3131 Distilling, rectifying and blending spirits |      | 1.7                          | 2.2   | 1.9   | 2.2   | 48.3                           | 58.7 | 16.0                                       | 11.2 |
| 3132 Wine industries                             |      | 1.0                          | 1.8   | 1.8   | 1.8   | 38.5                           | 50.1 | 28.8                                       | 21.1 |
| 3133 Malt liquors and malt                       |      | 5.9                          | 8.0   | 8.4   | 9.2   | 45.7                           | 55.7 | 23.9                                       | 16.2 |
| 3134 Soft drinks and carbonated waters           |      | 7.6                          | 8.9   | 9.1   | 9.6   | 39.1                           | 38.0 | 30.8                                       | 23.1 |
| 314 Tobacco                                      |      | 11.9                         | 18.9  | 22.6  | 24.6  | 64.3                           | 76.4 | 11.5                                       | 6.2  |
| 321 Textiles                                     |      | 26.9                         | 35.5  | 35.0  | 35.4  | 40.0                           | 42.1 | 47.6                                       | 42.3 |
| 3211 Spinning, weaving and finishing textiles    |      | 11.5                         | 15.1  | 14.9  | 15.0  | 39.4                           | 40.7 | 50.6                                       | 43.7 |
| 3212 Made-up textile goods excl. wearing apparel |      | 5.6                          | 7.3   | 7.6   | 7.6   | 42.4                           | 45.2 | 46.8                                       | 44.2 |
| 3213 Knitting mills                              |      | 5.2                          | 7.0   | 6.8   | 7.2   | 44.4                           | 46.9 | 50.2                                       | 41.7 |
| 3214 Carpets and rugs                            |      | 2.3                          | 3.2   | 2.9   | 2.9   | 28.5                           | 31.7 | 36.4                                       | 36.1 |
| 3215 Cordage, rope and twine                     |      | 0.2                          | 0.3   | 0.3   | 0.3   | 52.5                           | 42.4 | 42.9                                       | 52.0 |
| 3219 Other textiles                              |      | 2.1                          | 2.6   | 2.5   | 2.4   | 44.0                           | 45.4 | 38.2                                       | 36.3 |
| 322 Wearing apparel, except footwear             |      | 22.2                         | 25.3  | 25.5  | 25.9  | 50.7                           | 53.2 | 44.5                                       | 41.8 |
| 323 Leather and fur products                     |      | 1.6                          | 2.3   | 2.2   | 2.1   | 43.9                           | 43.6 | 48.1                                       | 41.2 |
| 3231 Tanneries and leather finishing             |      | 0.5                          | 0.9   | 0.8   | 0.7   | 31.9                           | 32.6 | 51.0                                       | 39.4 |
| 3232 Fur dressing and dyeing industries          |      |                              |       |       |       |                                |      |  |      |
| 3233 Leather prods. excl. wearing apparel        |      | 1.1                          | 1.4   | 1.4   | 1.4   | 53.5                           | 52.6 | 46.7                                       | 42.1 |
| 324 Footwear, except rubber or plastic           |      | 2.5                          | 2.3   | 2.3   | 2.1   | 52.6                           | 51.0 | 43.3                                       | 40.1 |
| 331 Wood products, except furniture              |      | 15.4                         | 21.7  | 20.8  | 19.9  | 39.4                           | 38.1 | 49.8                                       | 48.0 |
| 3311 Sawmills, planing and other wood mills      |      | 12.2                         | 18.3  | 17.1  | 16.2  | 37.6                           | 36.4 | 50.3                                       | 48.0 |
| 3312 Wooden and cane containers                  |      | 0.8                          | 1.1   | 1.2   | 1.2   | 42.0                           | 42.0 | 53.6                                       | 52.5 |
| 3319 Other wood and cork products                |      | 2.3                          | 2.4   | 2.6   | 2.5   | 50.7                           | 50.5 | 45.9                                       | 46.2 |
| 332 Furniture and fixtures, excl. metal          |      | 13.3                         | 16.5  | 16.9  | 16.1  | 52.0                           | 50.9 | 49.4                                       | 48.3 |
| 341 Paper and products                           |      | 40.4                         | 58.5  | 57.2  | 55.9  | 43.2                           | 45.2 | 38.0                                       | 33.1 |
| 3411 Pulp, paper and paperboard articles         |      | 19.7                         | 29.8  | 28.1  | 25.2  | 42.8                           | 47.0 | 38.7                                       | 31.5 |
| 3412 Containers of paper and paperboard          |      | 11.3                         | 11.9  | 12.0  | 12.4  | 39.7                           | 37.3 | 44.9                                       | 46.6 |
| 3419 Other pulp, paper and paperboard articles   |      | 9.3                          | 16.8  | 17.1  | 18.3  | 49.4                           | 49.8 | 28.3                                       | 26.1 |
| 342 Printing and publishing                      |      | 73.1                         | 97.8  | 103.2 | 103.8 | 65.1                           | 66.2 | 38.6                                       | 37.3 |
| 351 Industrial chemicals                         |      | 43.4                         | 72.8  | 73.5  | 70.0  | 39.5                           | 44.9 | 28.5                                       | 22.6 |
| 3511 Basic chemicals excl. fertilizers           |      | 26.0                         | 43.8  | 44.9  | 42.2  | 42.2                           | 45.4 | 28.0                                       | 22.6 |
| 3512 Fertilizers and pesticides                  |      | 5.1                          | 7.7   | 8.1   | 8.1   | 34.7                           | 43.8 | 23.3                                       | 17.4 |
| 3513 Synthetic resins and plastic materials      |      | 12.2                         | 21.3  | 20.5  | 19.7  | 36.5                           | 42.5 | 31.6                                       | 24.9 |
| 352 Other chemicals                              |      | 54.3                         | 75.3  | 81.8  | 87.3  | 59.7                           | 61.4 | 22.1                                       | 18.5 |
| 3521 Paints, varnishes and lacquers              |      | 5.2                          | 6.5   | 6.8   | 6.8   | 44.6                           | 47.5 | 26.3                                       | 23.2 |
| 3522 Drugs and medicines                         |      | 22.7                         | 34.4  | 38.3  | 43.3  | 72.1                           | 71.1 | 20.7                                       | 16.6 |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      | 17.4                         | 19.7  | 21.3  | 21.5  | 58.6                           | 60.2 | 16.7                                       | 14.8 |
| 3529 Other chemical products                     |      | 9.1                          | 14.8  | 15.4  | 16.8  | 49.5                           | 50.3 | 33.3                                       | 26.8 |
| 353 Petroleum refineries                         |      | 13.9                         | 21.6  | 22.8  | 19.8  | 8.3                            | 13.6 | 22.1                                       | 17.4 |

|   |        |         |         |         |       |        |        |        |      |      |      |      |
|---|--------|---------|---------|---------|-------|--------|--------|--------|------|------|------|------|
| 354 Misc petroleum and coal products            | 11 7   | 12 5    | 13 2    | 12 7    | 3 5   | 4 5    | 4 4    | 4 2    | 29 5 | 33 3 | 30 7 | 30 3 |
| 355 Rubber products                             | 21 7   | 25 1    | 25 6    | 25 3    | 11 0  | 12 9   | 13 4   | 13 5   | 50 6 | 53 3 | 42 9 | 39 4 |
| 3551 Tyres and tubes                            | 10 5   | 11 7    | 11 9    | 11 9    | 5 3   | 6 1    | 6 5    | 6 7    | 60 5 | 56 0 | 38 7 | 34 4 |
| 3559 Other rubber products                      | 11 2   | 13 5    | 13 8    | 13 5    | 5 7   | 6 8    | 6 9    | 6 9    | 50 6 | 50 9 | 46 9 | 44 2 |
| 356 Plastic products                            | 49 8   | 76 1    | 78 3    | 77 5    | 24 7  | 36 0   | 37 3   | 37 5   | 49 7 | 48 4 | 40 5 | 40 1 |
| 361 Pottery, china, earthenware                 | 2 0    | 2 6     | 2 6     | 2 6     | 1 3   | 1 8    | 1 8    | 1 8    | 65 0 | 68 8 | 60 0 | 45 6 |
| 362 Glass and products                          | 13 9   | 17 3    | 17 3    | 17 0    | 7 7   | 10 0   | 10 1   | 9 7    | 55 1 | 57 0 | 43 1 | 38 6 |
| 369 Other non-metallic mineral products         | 39 1   | 46 5    | 46 5    | 43 0    | 19 9  | 24 4   | 24 0   | 22 1   | 50 9 | 51 3 | 37 8 | 40 2 |
| 3691 Structural clay products                   | 2 6    | 3 0     | 3 1     | 2 8     | 1 5   | 1 8    | 1 9    | 1 6    | 56 5 | 57 6 | 45 6 | 44 4 |
| 3692 Cement, lime and plaster                   | 4 9    | 4 9     | 5 0     | 4 5     | 2 5   | 2 6    | 2 6    | 2 4    | 51 8 | 52 3 | 30 7 | 30 2 |
| 3699 Other non-metallic mineral products        | 31 6   | 38 5    | 38 5    | 35 7    | 15 9  | 20 0   | 19 5   | 18 1   | 50 3 | 50 7 | 38 2 | 41 2 |
| 371 Iron and steel                              | 60 9   | 78 1    | 75 7    | 68 9    | 24 1  | 33 2   | 31 8   | 27 1   | 39 5 | 39 3 | 52 8 | 49 0 |
| 372 Non-ferrous metals                          | 40 1   | 62 2    | 58 5    | 52 9    | 11 4  | 18 1   | 17 5   | 15 5   | 28 5 | 29 4 | 54 4 | 45 3 |
| 381 Fabricated metal products                   | 125 3  | 143 1   | 145 0   | 139 7   | 61 8  | 70 0   | 70 4   | 67 7   | 49 3 | 48 4 | 46 6 | 45 9 |
| 3811 Cutlery, hand tools and general hardware   | 12 7   | 14 9    | 14 7    | 14 4    | 7 5   | 8 7    | 8 5    | 8 2    | 59 1 | 56 9 | 43 5 | 41 9 |
| 3812 Furniture and fixtures primarily of metal  | 8 8    | 13 2    | 13 2    | 12 5    | 4 9   | 7 2    | 7 3    | 6 8    | 55 6 | 54 6 | 42 5 | 41 6 |
| 3813 Structural metal products                  | 36 8   | 44 5    | 44 9    | 42 6    | 16 3  | 20 0   | 19 9   | 19 3   | 44 3 | 45 4 | 50 1 | 49 9 |
| 3819 Other fabricated metal products            | 67 0   | 70 5    | 72 3    | 70 4    | 33 1  | 34 0   | 34 6   | 33 4   | 49 4 | 47 6 | 46 1 | 45 5 |
| 382 Non-electrical machinery                    | 224 6  | 278 2   | 280 5   | 267 3   | 115 6 | 147 7  | 145 1  | 136 9  | 51 4 | 51 2 | 46 0 | 44 1 |
| 3821 Engines and turbines                       | 11 1   | 16 9    | 16 6    | 16 6    | 5 2   | 7 6    | 7 2    | 7 6    | 46 9 | 45 5 | 42 2 | 38 0 |
| 3822 Agricultural machinery and equipment       | 11 4   | 15 0    | 16 5    | 15 2    | 5 5   | 6 9    | 8 0    | 7 1    | 48 4 | 47 0 | 37 1 | 32 4 |
| 3823 Metal and wood working machinery           | 20 0   | 25 3    | 25 3    | 23 6    | 12 8  | 15 2   | 15 5   | 14 6   | 64 2 | 61 8 | 51 4 | 53 2 |
| 3824 Other special industrial machinery         | 34 1   | 42 8    | 44 7    | 41 8    | 17 8  | 21 7   | 22 0   | 20 5   | 52 3 | 49 0 | 46 9 | 48 0 |
| 3825 Office, computing and accounting machinery | 61 2   | 66 1    | 64 8    | 59 5    | 27 3  | 33 5   | 31 6   | 27 7   | 44 7 | 46 7 | 44 2 | 36 9 |
| 3829 Other non electrical machinery & equipment | 86 8   | 112 1   | 112 8   | 110 7   | 46 8  | 61 8   | 60 7   | 59 4   | 54 0 | 53 7 | 46 7 | 46 0 |
| 383 Electrical machinery                        | 196 1  | 201 5   | 204 3   | 206 6   | 111 2 | 111 1  | 112 4  | 111 8  | 56 7 | 54 1 | 44 3 | 38 8 |
| 3831 Electrical industrial machinery            | 34 1   | 37 1    | 35 2    | 34 8    | 16 9  | 19 8   | 19 1   | 18 6   | 55 3 | 53 5 | 43 6 | 41 3 |
| 3832 Radio, television and communication equipm | 124 4  | 111 2   | 116 9   | 121 8   | 73 6  | 65 2   | 67 9   | 68 7   | 59 1 | 56 4 | 46 3 | 38 8 |
| 3833 Electrical appliances and housewares       | 5 6    | 8 1     | 8 0     | 7 9     | 3 3   | 4 0    | 3 7    | 3 4    | 49 4 | 43 4 | 37 7 | 31 6 |
| 3839 Other electrical apparatus and supplies    | 31 0   | 45 0    | 44 2    | 42 1    | 15 5  | 22 1   | 21 7   | 21 0   | 50 1 | 49 9 | 38 3 | 38 0 |
| 384 Transport equipment                         | 318 3  | 383 8   | 384 8   | 379 8   | 128 2 | 161 0  | 164 0  | 158 3  | 40 3 | 41 7 | 45 7 | 40 5 |
| 3841 Shipbuilding and repairing                 | 12 8   | 15 4    | 15 9    | 14 5    | 7 2   | 8 2    | 8 6    | 8 0    | 56 3 | 54 8 | 56 9 | 55 5 |
| 3842 Railroad equipment                         | 2 7    | 4 4     | 4 7     | 4 5     | 1 3   | 1 9    | 1 8    | 1 7    | 47 8 | 38 0 | 58 9 | 48 5 |
| 3843 Motor vehicles                             | 203 3  | 249 1a/ | 237 6a/ | 227 4a/ | 64 0  | 88 4a/ | 78 9a/ | 81 7a/ | 31 5 | 35 9 | 43 0 | 35 4 |
| 3844 Motorcycles and bicycles                   | 1 1    | 1 4     | 1 5     | 1 9     | 0 4   | 0 5    | 0 6    | 0 7    | 36 4 | 38 7 | 42 5 | 37 8 |
| 3845 Aircraft                                   | 91 6   | 113 5   | 125 2   | 131 4   | 52 9  | 64 0   | 64 2   | 66 2   | 57 8 | 50 4 | 46 9 | 44 8 |
| 3849 Other transport equipment                  | 6 8    | a/      | a/      | a/      | 2 4   | a/     | a/     | a/     | 36 7 |      | 49 8 |      |
| 385 Professional and scientific equipment       | 61 3   | 111 7   | 115 6   | 118 4   | 40 3  | 74 3   | 76 5   | 77 1   | 55 7 | 65 1 | 36 4 | 39 0 |
| 3851 Prof and scientific equipment n e c        | 35 8   | 83 4    | 88 7    | 90 9    | 23 5  | 55 1   | 58 4   | 58 9   | 55 5 | 64 8 | 40 8 | 43 1 |
| 3852 Photographic and optical goods             | 24 6   | 26 9    | 25 5    | 26 1    | 15 4  | 18 6   | 17 5   | 17 6   | 66 7 | 67 4 | 29 9 | 26 6 |
| 3853 Watches and clocks                         | 0 9    | 1 5     | 1 4     | 1 4     | 0 4   | 0 7    | 0 7    | 0 7    | 45 7 | 47 1 | 50 0 | 32 3 |
| 390 Other manufacturing industries              | 24 7   | 33 5    | 34 7    | 34 5    | 13 1  | 18 3   | 18 7   | 18 6   | 52 9 | 53 8 | 41 4 | 39 3 |
| 3901 Jewellery and related articles             | 4 5    | 5 9     | 5 8     | 5 3     | 1 9   | 2 5    | 2 6    | 2 5    | 41 8 | 46 6 | 43 1 | 39 8 |
| 3902 Musical instruments                        | 0 7    | 0 8     | 0 9     | 0 9     | 0 4   | 0 5    | 0 5    | 0 5    | 58 6 | 61 4 | 48 8 | 44 4 |
| 3903 Sporting and athletic goods                | 3 7    | 6 5     | 7 0     | 7 0     | 1 9   | 3 6    | 3 8    | 3 8    | 52 2 | 53 3 | 36 8 | 33 3 |
| 3909 Manufacturing industries, n e c            | 15 8   | 20 3    | 21 1    | 21 3    | 8 8   | 11 6   | 11 8   | 11 8   | 55 9 | 55 4 | 41 7 | 40 8 |
| 3 Total manufacturing                           | 2266 7 | 2781 0  | 2861 3  | 2814 8  | 996 4 | 1303 5 | 1322 1 | 1309 8 | 44 0 | 46 5 | 39 7 | 36 5 |

a/ 3843 includes 3849

## United States of America

| ISIC Industry                             | Note | Gross fixed capital formation |       |        |       | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |
|---|------|-------------------------------|-------|--------|-------|------|--|------|------|------|------|------|------|------|------|
|   |      | (million DOLLARS)             |       |        |       |      | (1980=100)                             |      |      |      |      |      |      |      |      |
|   |      | 1985                          | 1989  | 1990   | 1991  |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      | 5780                          | 7040  | 7890   | 7900  |      | 109                                    | 112  | 115  | 118  | 122  | 125  | 127  | 128  | 129  |
| 313 Beverages                             |      | 1270                          | 1290  | 1170   | 1370  |      | 107                                    | 108  | 111  | 113  | 117  | 120  | 124  | 126  | 123  |
| 314 Tobacco                               |      | 670                           | 400   | 280    | 410   |      | 96                                     | 96   | 93   | 99   | 100  | 98   | 97   | 98   | 102  |
| 321 Textiles                              |      | 2140                          | 2670  | 2710   | 2490  |      | 100                                    | 99   | 105  | 112  | 112  | 114  | 112  | 112  | 118  |
| 322 Wearing apparel, except footwear      |      | 450                           | 520   | 470    | 410   | a/   | 99                                     | 96   | 98   | 103  | 105  | 108  | 102  | 99   | 100  |
| 323 Leather and fur products              |      | 50                            | 80    | 70     | 70    | a/b/ | 99                                     | 85   | 80   | 84   | 87   | 92   | 86   | 74   | 72   |
| 324 Footwear, except rubber or plastic    |      | 60                            | 40    | 50     | 30    |      | 75                                     | 68   | 59   | 55   | 51   | 51   | 49   | 42   | 42   |
| 331 Wood products, except furniture       |      | 1200                          | 1490  | 1380   | 1230  | b/   | 125                                    | 130  | 141  | 149  | 155  | 163  | 150  | 139  | 145  |
| 332 Furniture and fixtures, excl metal    |      | 560                           | 770   | 620    | 510   |      | 127                                    | 128  | 133  | 142  | 147  | 149  | 160  | 141  | 143  |
| 341 Paper and products                    |      | 6280                          | 9850  | 10600  | 8830  |      | 115                                    | 116  | 124  | 131  | 135  | 135  | 138  | 137  | 140  |
| 342 Printing and publishing               |      | 4720                          | 5750  | 5810   | 5040  |      | 122                                    | 124  | 132  | 141  | 147  | 153  | 158  | 159  | 154  |
| 351 Industrial chemicals                  |      | 5200                          | 9240  | 11010  | 11100 |      | 108                                    | 112  | 117  | 128  | 131  | 135  | 137  | 137  | 144  |
| 352 Other chemicals                       |      | 3060                          | 4470  | 4510   | 5240  | b/   | 112                                    | 118  | 125  | 128  | 138  | 141  | 145  | 147  | 154  |
| 353 Petroleum refineries                  |      | 3040                          | 2990  | 3820   | 5500  |      | 93                                     | 93   | 99   | 100  | 103  | 103  | 104  | 104  | 104  |
| 354 Misc petroleum and coal products      |      | 400                           | 340   | 340    | 300   |      | 94                                     | 93   | 99   | 100  | 104  | 106  | 109  | 108  | 107  |
| 355 Rubber products                       |      | 870                           | 1240  | 1050   | 850   |      | 125                                    | 123  | 123  | 133  | 141  | 147  | 148  | 141  | 156  |
| 356 Plastic products                      |      | 2560                          | 3410  | 3410   | 3470  |      | 132                                    | 137  | 144  | 156  | 165  | 168  | 171  | 173  | 179  |
| 361 Pottery, china, earthenware           |      | 90                            | 120   | 110    | 140   | c/   |  |      |      |      |      |      |      |      |      |
| 362 Glass and products                    |      | 840                           | 1070  | 920    | 990   |      | 98                                     | 95   | 99   | 100  | 100  | 100  | 101  | 97   | 100  |
| 369 Other non-metallic mineral products   |      | 1840                          | 1830  | 1800   | 1320  | c/   | 110                                    | 114  | 117  | 117  | 123  | 122  | 119  | 105  | 106  |
| 371 Iron and steel                        |      | 2850                          | 3540  | 3540   | 3900  |      | 86                                     | 83   | 74   | 83   | 94   | 91   | 91   | 81   | 85   |
| 372 Non-ferrous metals                    |      | 1650                          | 1830  | 1930   | 1750  |      | 102                                    | 102  | 100  | 104  | 110  | 114  | 111  | 106  | 106  |
| 381 Fabricated metal products             |      | 3590                          | 3800  | 5780   | 3200  |      | 103                                    | 107  | 108  | 111  | 118  | 119  | 117  | 111  | 111  |
| 382 Non-electrical machinery              |      | 8550                          | 8590  | 8930   | 8010  | d/   | 111                                    | 115  | 114  | 120  | 135  | 145  | 151  | 148  | 152  |
| 383 Electrical machinery                  |      | 10640                         | 8720  | 9340   | 8040  |      | 126                                    | 123  | 121  | 125  | 134  | 138  | 140  | 138  | 144  |
| 384 Transport equipment                   |      | 11240                         | 10780 | 11490  | 11350 |      | 118                                    | 127  | 132  | 134  | 141  | 144  | 141  | 132  | 132  |
| 385 Professional and scientific equipment |      | 2580                          | 4200  | 4030   | 4240  | d/   | 102                                    | 104  | 104  | 107  | 118  | 125  | 125  | 125  | 123  |
| 390 Other manufacturing industries        |      | 500                           | 720   | 720    | 730   | b/   | 100                                    | 98   | 103  | 105  | 113  | 121  | 125  | 125  | 123  |
| 3 Total manufacturing                     |      | 82790                         | 96850 | 101580 | 98540 |      | 111                                    | 113  | 115  | 120  | 128  | 131  | 132  | 129  | 131  |

a/ 323 includes leather gloves  
c/ 369 includes 361

b/ 390 includes dressing and dyeing of furs, mortician's goods, matches and candles  
d/ 382 includes electrical measuring instruments

## URUGUAY

**Supplier of information:**

Dirección General de Estadísticas y Censos, Secretaría de Planeamiento, Coordinación y Difusión, Montevideo.

The index numbers of industrial production are compiled by the Departamento de Investigaciones Economicas del Banco Central del Uruguay.

**Basic source of data:**

Annual survey of the manufacturing industry.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

Establishments with 5 or more persons engaged.

The index numbers of industrial production cover, in principle, all industrial establishments with a gross value of output of more than 20,000 pesos in 1956.

**Method of enumeration:**

Not reported.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

Value added is net of non-industrial costs.

**Related national publications:**

Encuesta Anual de Producción, Sector Industrial (annual), published by the Dirección General de Estadísticas y Censos, Secretaría de Planeamiento, Coordinación y Difusión, Montevideo.

## Uruguay

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note  | Number of persons engaged |        |        |        | Note  | Wages and salaries paid to employees |       |        |      |
|--|------|--------------------------|------|------|------|-------|---------------------------|--------|--------|--------|-------|--------------------------------------|-------|--------|------|
|  |      | (numbers)                |      |      |      |       | (thousands)               |        |        |        |       | (million NEW PESOS)                  |       |        |      |
|  |      | 1985                     | 1938 | 1989 | 1990 |       | 1985                      | 1988a/ | 1989a/ | 1990a/ |       | 1985                                 | 1988  | 1989   | 1990 |
| 311/2 Food Products                              |      | 4591                     |      |      |      | 36.1  | 35.5                      | 48.5   | 47.8   |        | 7818  | 44181                                | 84909 | 159290 |      |
| 3111 Slaughtering, preparing & preserving meat   |      |                          |      |      |      | 9.6   |                           |        |        |        | 1872  |                                      |       |        |      |
| 3112 Dairy products                              |      |                          |      |      |      | 4.0   |                           |        |        |        | 1336  |                                      |       |        |      |
| 3113 Canning, preserving of fruits & vegetables  |      |                          |      |      |      | 0.5   |                           |        |        |        | 103   |                                      |       |        |      |
| 3114 Canning, preserving and processing of fish  |      |                          |      |      |      | 6.3   |                           |        |        |        | 860   |                                      |       |        |      |
| 3115 Vegetable and animal oils and fats          |      |                          |      |      |      | 0.6   |                           |        |        |        | 164   |                                      |       |        |      |
| 3116 Grain mill products                         |      |                          |      |      |      | 3.0   |                           |        |        |        | 793   |                                      |       |        |      |
| 3117 Bakery products                             |      |                          |      |      |      | 8.1   |                           |        |        |        | 1408  |                                      |       |        |      |
| 3118 Sugar factories and refineries              |      |                          |      |      |      | 1.3   |                           |        |        |        | 440   |                                      |       |        |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      |                          |      |      |      | 1.0   |                           |        |        |        | 269   |                                      |       |        |      |
| 3121 Other food products                         |      |                          |      |      |      | 1.5   |                           |        |        |        | 561   |                                      |       |        |      |
| 3122 Prepared animal feeds                       |      |                          |      |      |      | 0.2   |                           |        |        |        | 31    |                                      |       |        |      |
| 313 Beverages                                    |      | 583                      |      |      |      | 5.4   | 4.9                       | 5.9    | 5.6    |        | 1898  | 10196                                | 16014 | 32733  |      |
| 3131 Distilling, rectifying and blending spirits |      |                          |      |      |      | 1.0   |                           |        |        |        | 323   |                                      |       |        |      |
| 3132 Wine industries                             |      |                          |      |      |      | 0.8   |                           |        |        |        | 196   |                                      |       |        |      |
| 3133 Malt liquors and malt                       |      |                          |      |      |      | 1.5   |                           |        |        |        | 664   |                                      |       |        |      |
| 3134 Soft drinks and carbonated waters           |      |                          |      |      |      | 2.1   |                           |        |        |        | 816   |                                      |       |        |      |
| 314 Tobacco                                      |      | 14                       |      |      |      | 0.7   | 0.6                       | 0.6    | 0.6    |        | 361   | 1865                                 | 2246  | 6070   |      |
| 321 Textiles                                     |      | 2486                     |      |      |      | 16.5  | 17.4                      | 20.2   | 20.0   |        | 3793  | 21903                                | 39682 | 80248  |      |
| 3211 Spinning, weaving and finishing textiles    |      |                          |      |      |      | 12.6  |                           |        |        |        | 3086  |                                      |       |        |      |
| 3212 Made-up textile goods excl. wearing apparel |      |                          |      |      |      | 0.5   |                           |        |        |        | 133   |                                      |       |        |      |
| 3213 Knitting mills                              |      |                          |      |      |      | 2.8   |                           |        |        |        | 384   |                                      |       |        |      |
| 3214 Carpets and rugs                            |      |                          |      |      |      | 0.1   |                           |        |        |        | 20    |                                      |       |        |      |
| 3215 Cordage, rope and twine                     |      |                          |      |      |      | 0.1   |                           |        |        |        | 23    |                                      |       |        |      |
| 3219 Other textiles                              |      |                          |      |      |      | 0.6   |                           |        |        |        | 147   |                                      |       |        |      |
| 322 Wearing apparel, except footwear             |      | 3865                     |      |      |      | 10.3  | 9.3                       | 16.6   | 16.1   |        | 1702  | 8514                                 | 23866 | 46061  |      |
| 323 Leather and fur products                     |      | 451                      |      |      |      | 5.2   | 5.6                       | 6.8    | 6.6    |        | 1337  | 7849                                 | 13611 | 26752  |      |
| 3231 Tanneries and leather finishing             |      |                          |      |      |      | 4.3   |                           |        |        |        | 1154  |                                      |       |        |      |
| 3232 Fur dressing and dyeing industries          |      |                          |      |      |      | 0.9   |                           |        |        |        | 183   |                                      |       |        |      |
| 3233 Leather prods. excl. wearing apparel        |      |                          |      |      |      |       |                           |        |        |        |       |                                      |       |        |      |
| 324 Footwear, except rubber or plastic           |      | 352                      |      |      |      | 2.1   | 2.6                       | 3.9    | 4.0    |        | 290   | 1907                                 | 4183  | 7996   |      |
| 331 Wood products, except furniture              |      | 1221                     |      |      |      | 2.3   | 2.0                       | 3.0    | 2.5    |        | 323   | 2064                                 | 3943  | 5671   |      |
| 3311 Sawmills, planing and other wood mills      |      |                          |      |      |      | 2.0   |                           |        |        |        | 290   |                                      |       |        |      |
| 3312 Wooden and cane containers                  |      |                          |      |      |      |       |                           |        |        |        |       |                                      |       |        |      |
| 3319 Other wood and cork products                |      |                          |      |      |      | 0.3   |                           |        |        |        | 33    |                                      |       |        |      |
| 332 Furniture and fixtures, excl. metal          |      | 2425                     |      |      |      | 0.6   | 0.7                       | 2.9    | 2.7    |        | 79    | 511                                  | 2613  | 4840   |      |
| 341 Paper and products                           |      | 100                      |      |      |      | 3.4   | 4.1                       | 3.5    | 3.5    |        | 990   | 6563                                 | 8664  | 16366  |      |
| 3411 Pulp, paper and paperboard articles         |      |                          |      |      |      | 1.9   |                           |        |        |        | 642   |                                      |       |        |      |
| 3412 Containers of paper and paperboard          |      |                          |      |      |      | 1.0   |                           |        |        |        | 197   |                                      |       |        |      |
| 3419 Other pulp, paper and paperboard articles   |      |                          |      |      |      | 0.5   |                           |        |        |        | 151   |                                      |       |        |      |
| 342 Printing and publishing                      |      | 903                      |      |      |      | 4.7   | 4.7                       | 7.4    | 7.0    |        | 1171  | 7294                                 | 14710 | 26902  |      |
| 351 Industrial chemicals                         |      | 104                      |      |      |      | 1.5b/ | 1.7                       | 1.7    | 1.7    |        | 602b/ | 4038                                 | 5903  | 11811  |      |
| 3511 Basic chemicals excl. fertilizers           |      |                          |      |      |      | 0.9   |                           |        |        |        | 344   |                                      |       |        |      |
| 3512 Fertilizers and pesticides                  |      |                          |      |      |      | 0.5   |                           |        |        |        | 200   |                                      |       |        |      |
| 3513 Synthetic resins and plastic materials      |      |                          |      |      |      |       |                           |        |        |        |       |                                      |       |        |      |
| 352 Other chemicals                              |      | 426                      |      |      |      | 6.7   | 6.8                       | 8.0    | 6.7    |        | 2885  | 16203                                | 26726 | 48784  |      |
| 3521 Paints, varnishes and lacquers              |      |                          |      |      |      | 0.6   |                           |        |        |        | 267   |                                      |       |        |      |
| 3522 Drugs and medicines                         |      |                          |      |      |      | 3.1   |                           |        |        |        | 1621  |                                      |       |        |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      |                          |      |      |      | 2.7   |                           |        |        |        | 896   |                                      |       |        |      |
| 3529 Other chemical products                     |      |                          |      |      |      | 0.3   |                           |        |        |        | 103   |                                      |       |        |      |
| 353 Petroleum refineries                         |      | 12                       |      |      |      | c/    | 1.6                       | 2.1    | 2.2    | c/     | 682   | 2719                                 | 6896  | 12173  |      |

|   |       |    |       |       |       |       |    |       |        |        |        |
|---|-------|----|-------|-------|-------|-------|----|-------|--------|--------|--------|
| 354 Misc petroleum and coal products            | 22    | c/ |       |       |       |       | c/ |       |        |        |        |
| 355 Rubber products                             | 118   |    | 2 6   | 2 7   | 2 7   | 2 7   |    | 813   | 6366   | 8277   | 16626  |
| 3551 Tyres and tubes                            |       |    | 1 2   |       |       |       |    | 394   |        |        |        |
| 3559 Other rubber products                      |       |    | 1 4   |       |       |       |    | 419   |        |        |        |
| 356 Plastic products                            | 408   |    | 3 1   | 3 8   | 4 6   | 5 0   |    | 639   | 4747   | 8044   | 18483  |
| 361 Pottery, china, earthenware                 | 143   |    | 1 2   | 1 8   | 2 0   | 2 0   |    | 350   | 2641   | 3649   | 7413   |
| 362 Glass and products                          | 111   |    | 1 1   | 1 0   | 1 1   | 1 3   |    | 313   | 1745   | 2805   | 5971   |
| 369 Other non-metallic mineral products         | 1366  |    | 3 0   | 3 7   | 4 4   | 4 2   |    | 799   | 4620   | 7716   | 15882  |
| 3691 Structural clay products                   |       |    | 0 6   |       |       |       |    | 120   |        |        |        |
| 3692 Cement, lime and plaster                   |       |    | 1 3   |       |       |       |    | 439   |        |        |        |
| 3699 Other non-metallic mineral products        |       |    | 1 1   |       |       |       |    | 240   |        |        |        |
| 371 Iron and steel                              | 39    |    | 1 0   | 0 9   | 1 2   | 1 2   |    | 272   | 1418   | 2836   | 5545   |
| 372 Non-ferrous metals                          | 25    |    | 0 3   | 0 3   | 0 3   | 0 2   |    | 57    | 312    | 468    | 970    |
| 381 Fabricated metal products                   | 2122  |    | 4 9   | 5 7   | 7 9   | 7 4   |    | 1062  | 7044   | 14058  | 26313  |
| 3811 Cutlery, hand tools and general hardware   |       |    | 0 8   |       |       |       |    | 167   |        |        |        |
| 3812 Furniture and fixtures primarily of metal  |       |    | 0 2   |       |       |       |    | 42    |        |        |        |
| 3813 Structural metal products                  |       |    | 0 9   |       |       |       |    | 156   |        |        |        |
| 3819 Other fabricated metal products            |       |    | 3 0   |       |       |       |    | 697   |        |        |        |
| 382 Non-electrical machinery                    | 1174  |    | 1 4   | 1 1   | 2 5   | 2 5   |    | 330   | 1714   | 3943   | 8193   |
| 3821 Engines and turbines                       |       |    |       |       |       |       |    | -     |        |        |        |
| 3822 Agricultural machinery and equipment       |       |    | 0 1   |       |       |       |    | 18    |        |        |        |
| 3823 Metal and wood working machinery           |       |    |       |       |       |       |    | -     |        |        |        |
| 3824 Other special industrial machinery         |       |    | 0 1   |       |       |       |    | 36    |        |        |        |
| 3825 Office, computing and accounting machinery |       |    | 0 1   |       |       |       |    | 47    |        |        |        |
| 3829 Other non-electrical machinery & equipment |       |    | 1 1   |       |       |       |    | 229   |        |        |        |
| 383 Electrical machinery                        | 527   |    | 3 0   | 3 6   | 5 0   | 4 7   |    | 791   | 5558   | 10560  | 19937  |
| 3831 Electrical industrial machinery            |       |    | 0 4   |       |       |       |    | 113   |        |        |        |
| 3832 Radio, television and communication equipm |       |    | 0 2   |       |       |       |    | 45    |        |        |        |
| 3833 Electrical appliances and housewares       |       |    | 1 1   |       |       |       |    | 309   |        |        |        |
| 3839 Other electrical apparatus and supplies    |       |    | 1 3   |       |       |       |    | 324   |        |        |        |
| 384 Transport equipment                         | 332   |    | 2 0   | 3 8   | 5 0   | 4 8   |    | 735   | 7905   | 13250  | 26656  |
| 3841 Shipbuilding and repairing                 |       |    | -     |       |       |       |    | -     |        |        |        |
| 3842 Railroad equipment                         |       |    | -     |       |       |       |    | -     |        |        |        |
| 3843 Motor vehicles                             |       |    | 1 8   |       |       |       |    | 597   |        |        |        |
| 3844 Motorcycles and bicycles                   |       |    | 0 2   |       |       |       |    | 38    |        |        |        |
| 3845 Aircraft                                   |       |    | -     |       |       |       |    | -     |        |        |        |
| 3849 Other transport equipment                  |       |    | -     |       |       |       |    | -     |        |        |        |
| 385 Professional and scientific equipment       | 120   |    | 0 2b/ | 0 2   | 0 9   | 1 0   |    | 30b/  | 188    | 1635   | 4441   |
| 3851 Prof and scientific equipment n e c        |       |    | 0 1   |       |       |       |    | 19    |        |        |        |
| 3852 Photographic and optical goods             |       |    | -     |       |       |       |    | -     |        |        |        |
| 3853 Watches and clocks                         |       |    | -     |       |       |       |    | -     |        |        |        |
| 390 Other manufacturing industries              | 813   |    | 1 1b/ | 1 2   | 2 1   | 2 0   |    | 191b/ | 1228   | 2549   | 5552   |
| 3901 Jewellery and related articles             |       |    | -     |       |       |       |    | -     |        |        |        |
| 3902 Musical instruments                        |       |    | -     |       |       |       |    | 1     |        |        |        |
| 3903 Sporting and athletic goods                |       |    | -     |       |       |       |    | -     |        |        |        |
| 3909 Manufacturing industries, n e c            |       |    | 1 0   |       |       |       |    | 175   |        |        |        |
| 3 total manufacturing                           | 24853 |    | 122 0 | 126 8 | 170 7 | 165 9 |    | 30212 | 181271 | 333465 | 644658 |

a/ Number of employees  
c/ 353 includes 354

b/ Including data not shown at the detailed industry level

## Uruguay

| ISIC Industry                                    | Note | Output<br>(billion NEW PESOS) |         |         |         | Note | Value added<br>(billion NEW PESOS) |        |        |        | Share of value added in output<br>(percentage) |      | Share of wages and salaries in value added<br>(percentage) |      |
|--|------|-------------------------------|---------|---------|---------|------|------------------------------------|--------|--------|--------|--|------|--|------|
|  |      | 1985                          | 1988a/  | 1989a/  | 1990a/  |      | 1985                               | 1988b/ | 1989b/ | 1990b/ | 1985   | 1990 | 1985   | 1990 |
| 311/2 Food Products                              |      | 95.1                          | 427.3   | 969.4   | 1816.2  |      | 27.0                               | 128.6  | 289.4  | 664.1  | 28.4   | 30.6 | 28.9   | 28.7 |
| 3111 Slaughtering, preparing & preserving meat   |      | 26.8                          |         |         |         |      | 5.6                                |        |        |        | 21.0   |      | 33.3   |      |
| 3112 Dairy products                              |      | 12.7                          |         |         |         |      | 1.8                                |        |        |        | 14.0   |      | 76.6   |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 0.7                           |         |         |         |      | 0.3                                |        |        |        | 38.6   |      | 36.7   |      |
| 3114 Canning, preserving and processing of fish  |      | 4.9                           |         |         |         |      | 1.6                                |        |        |        | 32.3   |      | 63.9   |      |
| 3115 Vegetable and animal oils and fats          |      | 3.3                           |         |         |         |      | 1.0                                |        |        |        | 30.1   |      | 15.6   |      |
| 3116 Grain mill products                         |      | 20.4                          |         |         |         |      | 5.7                                |        |        |        | 27.7   |      | 14.0   |      |
| 3117 Bakery products                             |      | 11.5                          |         |         |         |      | 4.8                                |        |        |        | 41.8   |      | 29.4   |      |
| 3118 Sugar factories and refineries              |      | 6.0                           |         |         |         |      | 2.1                                |        |        |        | 34.4   |      | 21.3   |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 1.9                           |         |         |         |      | 0.9                                |        |        |        | 46.7   |      | 30.6   |      |
| 3121 Other food products                         |      | 6.5                           |         |         |         |      | 3.2                                |        |        |        | 49.8   |      | 17.0   |      |
| 3122 Prepared animal feeds                       |      | 0.3                           |         |         |         |      | 0.1                                |        |        |        | 33.0   |      | 31.3   |      |
| 313 Beverages                                    |      | 15.7                          | 89.7    | 172.5   | 391.9   |      | 9.3                                | 61.0   | 87.0   | 212.0  | 69.1   | 54.1 | 20.4   | 15.4 |
| 3131 Distilling, rectifying and blending spirits |      | 2.8                           |         |         |         |      | 1.8                                |        |        |        | 66.0   |      | 18.0   |      |
| 3132 Wine industries                             |      | 2.4                           |         |         |         |      | 1.3                                |        |        |        | 55.6   |      | 15.3   |      |
| 3133 Malt liquors and malt                       |      | 2.9                           |         |         |         |      | 1.9                                |        |        |        | 67.3   |      | 29.1   |      |
| 3134 Soft drinks and carbonated waters           |      | 7.6                           |         |         |         |      | 4.3                                |        |        |        | 66.0   |      | 19.1   |      |
| 314 Tobacco                                      |      | 8.4                           | 39.0    | 63.6    | 133.1   |      | 6.9                                | 31.0   | 49.9   | 105.2  | 82.4   | 79.0 | 6.2  | 4.8  |
| 321 Textiles                                     |      | 30.4                          | 171.4   | 344.5   | 670.1   |      | 13.9                               | 63.5   | 127.7  | 276.6  | 46.6   | 41.1 | 27.4   | 29.1 |
| 3211 Spinning, weaving and finishing textiles    |      | 25.2                          |         |         |         |      | 11.5                               |        |        |        | 46.7   |      | 26.8   |      |
| 3212 Made-up textile goods excl. wearing apparel |      | 1.8                           |         |         |         |      | 0.7                                |        |        |        | 40.3   |      | 17.9   |      |
| 3213 Knitting mills                              |      | 2.1                           |         |         |         |      | 1.0                                |        |        |        | 48.7   |      | 37.4   |      |
| 3214 Carpets and rugs                            |      | 0.1                           |         |         |         |      | -                                  |        |        |        | 30.2   |      | 62.6   |      |
| 3215 Cordage, rope and twine                     |      | 0.1                           |         |         |         |      | 0.1                                |        |        |        | 62.8   |      | 32.4   |      |
| 3219 Other textiles                              |      | 1.0                           |         |         |         |      | 0.6                                |        |        |        | 46.4   |      | 31.8   |      |
| 322 Wearing apparel, except footwear             |      | 11.6                          | 49.8    | 171.4   | 364.3   |      | 4.3                                | 16.6   | 48.0   | 130.0  | 37.1   | 35.7 | 39.3   | 34.6 |
| 323 Leather and fur products                     |      | 16.3                          | 81.2    | 148.1   | 252.9   |      | 7.7                                | 28.2   | 69.2   | 79.0   | 47.4   | 31.2 | 17.3   | 32.6 |
| 3231 Tanneries and leather finishing             |      | 14.8                          |         |         |         |      | 7.1                                |        |        |        | 48.1   |      | 16.1   |      |
| 3232 Fur dressing and dyeing industries          |      | -                             |         |         |         |      | -                                  |        |        |        | -  |      | -  |      |
| 3233 Leather prods. excl. wearing apparel        |      | 1.5                           |         |         |         |      | 0.6                                |        |        |        | 39.9   |      | 31.0   |      |
| 324 Footwear, except rubber or plastic           |      | 2.4                           | 15.9    | 38.4    | 81.1    |      | 0.8                                | 6.5    | 10.6   | 22.6   | 33.8   | 27.7 | 36.2   | 36.6 |
| 331 Wood products, except furniture              |      | 1.8                           | 11.2    | 21.8    | 44.7    |      | 0.8                                | 6.3    | 10.7   | 22.8   | 46.7   | 60.9 | 39.5   | 29.3 |
| 3311 Sawmills, planing and other wood mills      |      | 1.6                           |         |         |         |      | 0.7                                |        |        |        | 44.4   |      | 40.7   |      |
| 3312 Wooden and cane containers                  |      | -                             |         |         |         |      | -                                  |        |        |        | -  |      | -  |      |
| 3319 Other wood and cork products                |      | 0.2                           |         |         |         |      | 0.1                                |        |        |        | 66.8   |      | 31.7   |      |
| 332 Furniture and fixtures, excl. metal          |      | 0.4                           | 2.4     | 12.6    | 31.6    |      | 0.2                                | 1.0    | 6.7    | 16.3   | 47.8   | 48.6 | 42.6   | 31.6 |
| 341 Paper and products                           |      | 9.5                           | 53.0    | 81.7    | 147.2   |      | 4.7                                | 25.0   | 38.7   | 59.3   | 49.8   | 40.3 | 21.0   | 26.9 |
| 3411 Pulp, paper and paperboard articles         |      | 6.1                           |         |         |         |      | 3.7                                |        |        |        | 60.7   |      | 17.2   |      |
| 3412 Containers of paper and paperboard          |      | 1.7                           |         |         |         |      | 0.6                                |        |        |        | 33.6   |      | 34.2   |      |
| 3419 Other pulp, paper and paperboard articles   |      | 1.6                           |         |         |         |      | 0.4                                |        |        |        | 25.8   |      | 38.3   |      |
| 342 Printing and publishing                      |      | 5.8                           | 32.8    | 90.7    | 186.2   |      | 2.7                                | 16.1   | 42.0   | 96.2   | 46.9   | 61.1 | 43.3   | 28.3 |
| 351 Industrial chemicals                         |      | 7.4c/                         | 49.2    | 101.2   | 215.8   |      | 2.7c/                              | 18.8   | 37.0   | 79.1   | 36.3   | 36.6 | 22.4   | 14.9 |
| 3511 Basic chemicals excl. fertilizers           |      | 2.9                           |         |         |         |      | 1.5                                |        |        |        | 63.7   |      | 22.4   |      |
| 3512 Fertilizers and pesticides                  |      | 3.8                           |         |         |         |      | 0.9                                |        |        |        | 23.3   |      | 27.3   |      |
| 3513 Synthetic resins and plastic materials      |      | -                             |         |         |         |      | -                                  |        |        |        | -  |      | -  |      |
| 352 Other chemicals                              |      | 21.9                          | 109.8   | 178.5   | 407.6   |      | 11.3                               | 49.4   | 79.4   | 189.5  | 49.6   | 46.5 | 26.6   | 26.7 |
| 3521 Paints, varnishes and lacquers              |      | 3.4                           |         |         |         |      | 1.1                                |        |        |        | 33.6   |      | 23.8   |      |
| 3522 Drugs and medicines                         |      | 11.0                          |         |         |         |      | 6.0                                |        |        |        | 54.8   |      | 27.0   |      |
| 3523 Soap, cleaning preps., perfumes, cosmetics  |      | 7.9                           |         |         |         |      | 3.9                                |        |        |        | 49.2   |      | 23.1   |      |
| 3529 Other chemical products                     |      | 0.7                           |         |         |         |      | 0.3                                |        |        |        | 49.9   |      | 30.9   |      |
| 353 Petroleum refineries                         |      | 49.8                          | 167.3d/ | 271.4d/ | 671.2d/ |      | 19.7                               | 69.9d/ | 100.4  | 279.3  | 39.6   |      |  |      |



|   |       |        |        |        |       |       |        |        |      |      |      |      |  |
|---|-------|--------|--------|--------|-------|-------|--------|--------|------|------|------|------|--|
| 354 Misc petroleum and coal products            | 0.9   | d/     | d/     | d/     | 0.4   | d/    | 0.5    | 1.7    | 43.6 |      |      |      |  |
| 355 Rubber products                             | 5.6   | 32.7   | 47.9   | 110.7  | 3.5   | 20.1  | 25.1   | 58.1   | 62.5 | 61.5 | 23.3 | 24.4 |  |
| 3551 Tyres and tubes                            | 3.9   |        |        |        | 2.5   |       |        |        | 63.9 |      | 15.7 |      |  |
| 3559 Other rubber products                      | 1.7   |        |        |        | 1.0   |       |        |        | 59.2 |      | 42.5 |      |  |
| 356 Plastic products                            | 5.1   | 28.8   | 66.0   | 168.4  | 2.5   | 13.6  | 27.9   | 76.0   | 49.4 | 45.1 | 25.2 | 24.3 |  |
| 361 Pottery, china, earthenware                 | 1.4   | 10.4   | 19.1   | 39.2   | 0.7   | 6.2   | 12.1   | 23.9   | 50.4 | 60.9 | 48.1 | 31.0 |  |
| 362 Glass and products                          | 1.6   | 7.9    | 18.9   | 43.7   | 0.7   | 3.9   | 8.9    | 24.6   | 45.6 | 55.3 | 41.8 | 24.3 |  |
| 369 Other non-metallic mineral products         | 4.9   | 26.6   | 55.9   | 121.2  | 2.4   | 12.3  | 23.1   | 60.8   | 48.5 | 41.9 | 33.5 | 31.3 |  |
| 3691 Structural clay products                   | 0.5   |        |        |        | 0.3   |       |        |        | 56.0 |      | 42.4 |      |  |
| 3692 Cement, lime and plaster                   | 3.0   |        |        |        | 1.4   |       |        |        | 45.7 |      | 32.5 |      |  |
| 3699 Other non-metallic mineral products        | 1.5   |        |        |        | 0.8   |       |        |        | 51.5 |      | 31.9 |      |  |
| 371 Iron and steel                              | 2.9   | 13.8   | 42.7   | 66.3   | 1.4   | 6.3   | 19.9   | 35.7   | 60.2 | 53.9 | 19.0 | 15.6 |  |
| 372 Non-ferrous metals                          | 0.6   | 3.3    | 3.8    | 7.7    | 0.3   | 1.1   | 1.4    | 3.7    | 55.2 | 48.0 | 17.9 | 25.2 |  |
| 381 Fabricated metal products                   | 6.1   | 41.0   | 92.9   | 180.5  | 3.3   | 21.6  | 41.5   | 85.3   | 54.0 | 47.2 | 32.3 | 30.9 |  |
| 3811 Cutlery, hand tools and general hardware   | 0.6   |        |        |        | 0.4   |       |        |        | 64.1 |      | 47.7 |      |  |
| 3812 Furniture and fixtures primarily of metal  | 0.2   |        |        |        | 0.1   |       |        |        | 38.5 |      | 52.5 |      |  |
| 3813 Structural metal products                  | 0.6   |        |        |        | 0.2   |       |        |        | 40.4 |      | 63.2 |      |  |
| 3819 Other fabricated metal products            | 4.7   |        |        |        | 2.6   |       |        |        | 55.2 |      | 25.7 |      |  |
| 382 Non-electrical machinery                    | 1.6   | 6.1    | 21.5   | 47.1   | 1.2   | 3.5   | 11.2   | 25.9   | 74.0 | 64.9 | 28.0 | 31.7 |  |
| 3821 Engines and turbines                       | -     |        |        |        | -     |       |        |        |      |      |      |      |  |
| 3822 Agricultural machinery and equipment       | 0.1   |        |        |        | -     |       |        |        | 45.0 |      | 40.0 |      |  |
| 3823 Metal and wood working machinery           | -     |        |        |        | -     |       |        |        |      |      |      |      |  |
| 3824 Other special industrial machinery         | 0.4   |        |        |        | 0.2   |       |        |        | 68.9 |      | 14.9 |      |  |
| 3825 Office, computing and accounting machinery | 0.2   |        |        |        | 0.2   |       |        |        | 88.9 |      | 21.8 |      |  |
| 3829 Other non-electrical machinery & equipment | 0.9   |        |        |        | 0.7   |       |        |        | 75.2 |      | 34.0 |      |  |
| 383 Electrical machinery                        | 5.6   | 48.6   | 103.3  | 181.1  | 3.2   | 23.5  | 50.2   | 81.3   | 56.1 | 44.9 | 25.0 | 24.5 |  |
| 3831 Electrical industrial machinery            | 0.8   |        |        |        | 0.4   |       |        |        | 51.7 |      | 26.1 |      |  |
| 3832 Radio, television and communication equipm | 0.8   |        |        |        | 0.4   |       |        |        | 51.3 |      | 11.2 |      |  |
| 3833 Electrical appliances and housewares       | 2.0   |        |        |        | 1.3   |       |        |        | 62.9 |      | 24.0 |      |  |
| 3839 Other electrical apparatus and supplies    | 2.0   |        |        |        | 1.1   |       |        |        | 52.9 |      | 30.9 |      |  |
| 384 Transport equipment                         | 7.0   | 88.3   | 152.6  | 318.1  | 3.2   | 45.6  | 70.3   | 150.8  | 45.6 | 47.4 | 22.9 | 17.7 |  |
| 3841 Shipbuilding and repairing                 | -     |        |        |        | -     |       |        |        |      |      |      |      |  |
| 3842 Railroad equipment                         | -     |        |        |        | -     |       |        |        |      |      |      |      |  |
| 3843 Motor vehicles                             | 6.7   |        |        |        | 3.0   |       |        |        | 44.8 |      | 23.2 |      |  |
| 3844 Motorcycles and bicycles                   | 0.3   |        |        |        | 0.2   |       |        |        | 60.9 |      | 18.1 |      |  |
| 3845 Aircraft                                   | -     |        |        |        | -     |       |        |        |      |      |      |      |  |
| 3849 Other transport equipment                  | -     |        |        |        | -     |       |        |        |      |      |      |      |  |
| 385 Professional and scientific equipment       | 0.2c/ | 1.4    | 15.0   | 37.9   | 0.1   | 1.0   | 8.4    | 22.4   | 53.1 | 59.2 | 29.1 | 19.8 |  |
| 3851 Prof and scientific equipment n e c        | 0.1   |        |        |        | 0.1   |       |        |        | 52.5 |      | 29.2 |      |  |
| 3852 Photographic and optical goods             | -     |        |        |        | -     |       |        |        |      |      |      |      |  |
| 3853 Watches and clocks                         | -     |        |        |        | -     |       |        |        |      |      |      |      |  |
| 390 Other manufacturing industries              | 0.9c/ | 4.5    | 13.1   | 31.0   | 0.6c/ | 2.5   | 7.1    | 17.2   | 61.2 | 55.5 | 34.0 | 32.3 |  |
| 3901 Jewellery and related articles             | -     |        |        |        | -     |       |        |        |      |      |      |      |  |
| 3902 Musical instruments                        | -     |        |        |        | -     |       |        |        |      |      |      |      |  |
| 3903 Sporting and athletic goods                | -     |        |        |        | -     |       |        |        |      |      |      |      |  |
| 3909 Manufacturing industries, n e c            | 0.8   |        |        |        | 0.5   |       |        |        | 61.3 |      | 33.8 |      |  |
| 3 Total manufacturing                           | 321.9 | 1613.3 | 3316.3 | 6766.7 | 135.6 | 673.0 | 1294.3 | 2785.3 | 42.1 | 41.2 | 22.3 | 23.1 |  |

a/ Output in producers' prices  
c/ Including data not shown at the detailed industry level

b/ Value added in producers' prices  
d/ 353 includes 354

Uruguay

| ISIC Industry                             | Gross fixed capital formation<br>(million NEW PESOS) |      |       |        |      | Index numbers of industrial production<br>(1980=100) |      |      |      |      |      |      |      |      |      |
|---|--|------|-------|--------|------|--|------|------|------|------|------|------|------|------|------|
|   | Note   | 1985 | 1988  | 1989   | 1990 | Note   | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
|   |  |      |       |        |      |  |      |      |      |      |      |      |      |      |      |
| 311/2 Food Products                       |  |      | 23379 | 44465  |      |  | 94   | 104  | 103  | 100  | 107  | 110  | 108  | 110  | 113  |
| 313 Beverages                             |  |      | 10776 | 14708  |      |  | 72   | 74   | 84   | 91   | 87   | 90   | 90   | 89   | 96   |
| 314 Tobacco                               |  |      | 376   | 717    |      |  | 65   | 82   | 82   | 93   | 90   | 94   | 94   | 97   | 116  |
| 321 Textiles                              |  |      | 19928 | 20890  |      |  | 86   | 85   | 99   | 106  | 101  | 96   | 100  | 108  | 109  |
| 322 Sewing apparel, except footwear       |  |      | 2680  | 3864   |      | a/   | 82   | 72   | 82   | 89   | 76   | 83   | 84   | 86   | 61   |
| 323 Leather and fur products              |  |      | 3548  | 1081   |      |  | 104  | 87   | 93   | 97   | 100  | 100  | 89   | 88   | 74   |
| 324 Footwear, except rubber or plastic    |  |      | 1760  | 3135   |      | a/   |      |      |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |  |      | 1245  | 1547   |      |  |      |      |      |      |      |      |      |      |      |
| 332 Furniture and fixtures, excl metal    |  |      | 189   | 1452   |      |  |      |      |      |      |      |      |      |      |      |
| 341 Paper and products                    |  |      | 2178  | 3211   |      |  | 87   | 80   | 99   | 102  | 99   | 94   | 94   | 107  | 115  |
| 342 Printing and publishing               |  |      | 4770  | 3539   |      |  | 71   | 72   | 74   | 84   | 72   | 68   | 66   | 79   | 76   |
| 351 Industrial chemicals                  |  |      | 3893  | 3436   |      |  | 75   | 75   | 94   | 111  | 114  | 115  | 115  | 111  | 111  |
| 352 Other chemicals                       |  |      | 7515  | 8390   |      | b/   |      |      |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |  |      | -1494 | 1313   |      | c/   | 79   | 74   | 67   | 78   | 79   | 77   | 83   | 84   | 76   |
| 354 Misc petroleum and coal products      |  |      | 80    | 90     |      |  |      |      |      |      |      |      |      |      |      |
| 355 Rubber products                       |  |      | -2332 | 1548   |      |  | 49   | 47   | 59   | 67   | 58   | 60   | 64   | 53   | 52   |
| 356 Plastic products                      |  |      | 986   | 5536   |      | d/   |      |      |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |  |      | 576   | 2327   |      | e/   | 50   | 46   | 59   | 77   | 75   | 80   | 84   | 81   | 117  |
| 362 Glass and products                    |  |      | 494   | 611    |      | e/   |      |      |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |  |      | 1859  | 2349   |      | e/   |      |      |      |      |      |      |      |      |      |
| 371 Iron and steel                        |  |      | 1219  | 2289   |      |  |      |      |      |      |      |      |      |      |      |
| 372 Non-ferrous metals                    |  |      | 34    | 188    |      |  |      |      |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |  |      | 2109  | 4101   |      |  | 52   | 53   | 66   | 79   | 70   | 66   | 66   | 61   | 69   |
| 382 Non-electrical machinery              |  |      | 601   | 1148   |      |  | 44   | 44   | 55   | 68   | 60   | 56   | 52   | 44   | 44   |
| 383 Electrical machinery                  |  |      | 4816  | 4687   |      |  | 43   | 46   | 62   | 98   | 85   | 75   | 77   | 85   | 77   |
| 384 Transport equipment                   |  |      | 13161 | 7387   |      |  | 67   | 69   | 82   | 94   | 78   | 77   | 76   | 78   | 80   |
| 385 Professional and scientific equipment |  |      | 1316  | 1376   |      | d/   |      |      |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |  |      | -3    | 154    |      | d/   |      |      |      |      |      |      |      |      |      |
| 3 Total manufacturing                     |  |      | 99709 | 154807 |      |  |      |      |      |      |      |      |      |      |      |

b/ 351 includes 352  
c/ 385 includes 390 and 396  
d/ 361 includes 362 and 369

## VENEZUELA

**Supplier of information:**

Oficina Central de Estadística e Informática (OCEI), Presidencia de la República, Caracas.  
The index numbers of industrial production are compiled by the Banco Central de Venezuela.

**Basic source of data:**

Annual industrial survey.

**Major deviations from current version of ISIC:**

None reported.

**Reference period (if not calendar year):****Scope:**

Establishments with 5 or more persons engaged.

**Method of enumeration:**

Individual site visits by enumerators. Establishments with more than 50 persons engaged are completely enumerated; sampling is used for the smaller establishments.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

Both output and value added exclude goods bought and resold without further processing.

**Related national publications:**

Anuario Estadístico; Encuesta Industrial (annual), both published by the Oficina Central de Estadística e Informática (OCEI), Presidencia de la República, Caracas.

## Venezuela

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note | Number of employees |      |      |      | Note | Wages and salaries paid to employees |       |       |      |
|--|------|--------------------------|------|------|------|------|---------------------|------|------|------|------|--------------------------------------|-------|-------|------|
|  |      | (numbers)                |      |      |      |      | (thousands)         |      |      |      |      | (million BOLIVARES)                  |       |       |      |
|  |      | 1985                     | 1990 | 1991 | 1992 |      | 1985                | 1990 | 1991 | 1992 |      | 1985                                 | 1990  | 1991  | 1992 |
| 311/2 Food Products                              |      | 2392                     | 2410 | 2573 | 2538 | 73   | 82                  | 88   | 89   |      | 4318 | 13503                                | 19637 | 26724 |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 87                       | 89   | 95   | 97   | 8    | 9                   | 12   | 13   |      | 497  | 1247                                 | 2441  | 3500  |      |
| 3112 Dairy products                              |      | 102                      | 84   | 87   | 76   | 8    | 9                   | 9    | 10   |      | 620  | 1730                                 | 2507  | 3834  |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 42                       | 36   | 43   | 39   | 6    | 6                   | 6    | 6    |      | 360  | 1297                                 | 1694  | 2333  |      |
| 3114 Canning, preserving and processing of fish  |      | 12                       | 13   | 15   | 8    | 4    | 5                   | 5    | 4    |      | 162  | 538                                  | 732   | 1085  |      |
| 3115 Vegetable and animal oils and fats          |      | 17                       | 17   | 19   | 14   | 3    | 4                   | 5    | 3    |      | 231  | 783                                  | 2022  | 1037  |      |
| 3116 Grain mill products                         |      | 108                      | 93   | 95   | 96   | 6    | 7                   | 8    | 8    |      | 663  | 1546                                 | 2431  | 3609  |      |
| 3117 Bakery products                             |      | 1750                     | 1781 | 1892 | 1924 | 19   | 22                  | 23   | 23   |      | 743  | 2268                                 | 3027  | 4065  |      |
| 3118 Sugar factories and refineries              |      | 37                       | 68   | 72   | 50   | 6    | 8                   | 8    | 8    |      | 340  | 1441                                 | 1743  | 2059  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 40                       | 40   | 46   | 38   | 5    | 4                   | 4    | 4    |      | 436  | 915                                  | 1360  | 1808  |      |
| 3121 Other food products                         |      | 155                      | 156  | 171  | 156  | 4    | 5                   | 5    | 5    |      | 235  | 796                                  | 856   | 1211  |      |
| 3122 Prepared animal feeds                       |      | 42                       | 33   | 38   | 41   | 3    | 2                   | 3    | 3    |      | 261  | 643                                  | 824   | 1183  |      |
| 313 Beverages                                    |      | 127                      | 113  | 112  | 116  | 15   | 16                  | 16   | 17   |      | 1146 | 3609                                 | 5891  | 7530  |      |
| 3131 Distilling, rectifying and blending spirits |      | 41                       | 44   | 45   | 54   | 2    | 3                   | 3    | 4    |      | 182  | 879                                  | 1133  | 1644  |      |
| 3132 Wine industries                             |      | 3                        | 3    | 3    | 3    | -    | -                   | -    | -    |      | 21   | 67                                   | 69    | 109   |      |
| 3133 Malt liquors and malt                       |      | 7                        | 7    | 7    | 6    | 5    | 6                   | 6    | 5    |      | 631  | 1562                                 | 3181  | 3620  |      |
| 3134 Soft drinks and carbonated waters           |      | 76                       | 59   | 57   | 53   | 6    | 7                   | 7    | 7    |      | 411  | 1111                                 | 1508  | 2167  |      |
| 314 Tobacco                                      |      | 36                       | 33   | 30   | 22   | 4    | 3                   | 3    | 3    |      | 363  | 1080                                 | 1472  | 2661  |      |
| 321 Textiles                                     |      | 219                      | 219  | 215  | 227  | 24   | 25                  | 24   | 24   |      | 1506 | 4633                                 | 5608  | 7032  |      |
| 3211 Spinning, weaving and finishing textiles    |      | 133                      | 144  | 140  | 147  | 20   | 22                  | 20   | 21   |      | 1327 | 4144                                 | 4988  | 6279  |      |
| 3212 Made-up textile goods excl. wearing apparel |      | 41                       | 37   | 39   | 46   | 1    | 1                   | 1    | 1    |      | 62   | 113                                  | 140   | 211   |      |
| 3213 Knitting mills                              |      | 18                       | 5    | 3    | 3    | 1    | -                   | -    | -    |      | 34   | 63                                   | 55    | 68    |      |
| 3214 Carpets and rugs                            |      | 13                       | 15   | 14   | 16   | 1    | 1                   | 1    | 1    |      | 36   | 124                                  | 195   | 220   |      |
| 3215 Cordage, rope and twine                     |      | 9                        | 12   | 13   | 11   | 1    | 1                   | 1    | 1    |      | 52   | 166                                  | 196   | 213   |      |
| 3219 Other textiles                              |      | 5                        | 6    | 6    | 5    | -    | -                   | -    | -    |      | 6    | 24                                   | 34    | 41    |      |
| 322 Wearing apparel, except footwear             |      | 936                      | 873  | 927  | 884  | 28   | 28                  | 29   | 28   |      | 1327 | 3647                                 | 4689  | 5801  |      |
| 323 Leather and fur products                     |      | 115                      | 108  | 113  | 114  | 4    | 4                   | 5    | 5    |      | 163  | 543                                  | 714   | 1028  |      |
| 3231 Tanneries and leather finishing             |      | -                        | -    | -    | -    | -    | -                   | -    | -    |      | -    | -                                    | -     | -     |      |
| 3232 Fur dressing and dyeing industries          |      | 20                       | 23   | 24   | 25   | 2    | 3                   | 3    | 3    |      | 90   | 394                                  | 513   | 721   |      |
| 3233 Leather prods. excl. wearing apparel        |      | 96                       | 85   | 89   | 89   | 1    | 1                   | 2    | 2    |      | 63   | 149                                  | 201   | 307   |      |
| 324 Footwear, except rubber or plastic           |      | 575                      | 526  | 572  | 496  | 14   | 16                  | 18   | 17   |      | 606  | 1803                                 | 2690  | 3460  |      |
| 331 Wood products, except furniture              |      | 288                      | 265  | 278  | 304  | 7    | 7                   | 7    | 8    |      | 263  | 737                                  | 1063  | 1606  |      |
| 3311 Sawmills, planing and other wood mills      |      | 231                      | 213  | 223  | 255  | 6    | 6                   | 6    | 7    |      | 234  | 660                                  | 936   | 1414  |      |
| 3312 Wooden and cane containers                  |      | 2                        | 3    | 5    | 5    | -    | -                   | -    | -    |      | -    | 3                                    | 12    | 11    |      |
| 3319 Other wood and cork products                |      | 55                       | 49   | 50   | 44   | 1    | 1                   | 1    | 1    |      | 28   | 84                                   | 116   | 180   |      |
| 332 Furniture and fixtures, excl. metal          |      | 848                      | 779  | 791  | 742  | 12   | 12                  | 14   | 15   |      | 522  | 1313                                 | 2124  | 2856  |      |
| 341 Paper and products                           |      | 99                       | 109  | 106  | 104  | 12   | 13                  | 15   | 14   |      | 807  | 3373                                 | 4789  | 5782  |      |
| 3411 Pulp, paper and paperboard articles         |      | 37                       | 32   | 33   | 26   | 8    | 8                   | 9    | 8    |      | 536  | 2306                                 | 3156  | 3668  |      |
| 3412 Containers of paper and paperboard          |      | 53                       | 60   | 57   | 58   | 3    | 4                   | 5    | 5    |      | 236  | 920                                  | 1451  | 1844  |      |
| 3419 Other pulp, paper and paperboard articles   |      | 9                        | 17   | 15   | 20   | 1    | 1                   | 1    | 1    |      | 37   | 147                                  | 183   | 270   |      |
| 342 Printing and publishing                      |      | 635                      | 633  | 690  | 619  | 16   | 19                  | 21   | 19   |      | 1108 | 3496                                 | 4661  | 6013  |      |
| 351 Industrial chemicals                         |      | 114                      | 112  | 123  | 118  | 10   | 12                  | 13   | 13   |      | 850  | 3476                                 | 7762  | 9308  |      |
| 3511 Basic chemicals excl. fertilizers           |      | 70                       | 74   | 75   | 74   | 5    | 6                   | 7    | 7    |      | 396  | 1629                                 | 3399  | 4036  |      |
| 3512 Fertilizers and pesticides                  |      | 12                       | 14   | 15   | 14   | 3    | 4                   | 4    | 4    |      | 244  | 967                                  | 2913  | 3343  |      |
| 3513 Synthetic resins and plastic materials      |      | 32                       | 24   | 33   | 30   | 3    | 3                   | 3    | 3    |      | 210  | 869                                  | 1440  | 1930  |      |
| 352 Other chemicals                              |      | 287                      | 291  | 294  | 296  | 24   | 28                  | 31   | 31   |      | 2124 | 7626                                 | 11932 | 16503 |      |
| 3521 Paints, varnishes and lacquers              |      | 36                       | 40   | 42   | 44   | 2    | 3                   | 4    | 3    |      | 233  | 743                                  | 1284  | 1646  |      |
| 3522 Drugs and medicines                         |      | 69                       | 74   | 65   | 60   | 7    | 9                   | 9    | 9    |      | 676  | 2683                                 | 3678  | 4616  |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 88                       | 85   | 89   | 90   | 9    | 11                  | 12   | 13   |      | 896  | 2926                                 | 4920  | 6596  |      |
| 3529 Other chemical products                     |      | 94                       | 92   | 98   | 102  | 4    | 5                   | 6    | 5    |      | 320  | 1276                                 | 2160  | 2747  |      |
| 353 Petroleum refineries                         |      | 12                       | 14   | 13   | 11   | 6    | 7                   | 8    | 8    |      | 902  | 2862                                 | 7360  | 7716  |      |

|   |       |      |       |       |     |     |     |     |       |       |        |        |
|---|-------|------|-------|-------|-----|-----|-----|-----|-------|-------|--------|--------|
| 354 Misc petroleum and coal products            | 21    | 26   | 21    | 19    | 1   | 1   | 1   | 1   | 66    | 191   | 272    | 358    |
| 355 Rubber products                             | 56    | 52   | 62    | 62    | 5   | 6   | 7   | 7   | 521   | 1534  | 2200   | 2858   |
| 3551 Tyres and tubes                            | 28    | 24   | 20    | 22    | 3   | 4   | 4   | 4   | 438   | 1304  | 1701   | 2202   |
| 3559 Other rubber products                      | 28    | 28   | 42    | 40    | 1   | 2   | 3   | 3   | 83    | 230   | 499    | 656    |
| 356 Plastic products                            | 411   | 424  | 440   | 446   | 18  | 21  | 23  | 22  | 985   | 3369  | 4653   | 5906   |
| 361 Pottery, china, earthenware                 | 25    | 30   | 38    | 29    | 2   | 2   | 3   | 3   | 129   | 456   | 662    | 1054   |
| 362 Glass and products                          | 84    | 78   | 74    | 60    | 6   | 6   | 7   | 7   | 381   | 1193  | 1616   | 2168   |
| 369 Other non-metallic mineral products         | 510   | 488  | 506   | 498   | 18  | 21  | 21  | 22  | 1108  | 3988  | 5163   | 7623   |
| 3691 Structural clay products                   | 80    | 95   | 81    | 82    | 5   | 8   | 7   | 7   | 296   | 1152  | 1373   | 2013   |
| 3692 Cement, lime and plaster                   | 40    | 38   | 40    | 34    | 5   | 5   | 5   | 5   | 425   | 1640  | 2074   | 3223   |
| 3699 Other non-metallic mineral products        | 390   | 355  | 385   | 382   | 7   | 8   | 9   | 9   | 387   | 1196  | 1716   | 2387   |
| 371 Iron and steel                              | 136   | 150  | 198   | 159   | 25  | 27  | 28  | 25  | 2258  | 9705  | 12611  | 8097   |
| 372 Non ferrous metals                          | 86    | 97   | 108   | 84    | 10  | 15  | 15  | 13  | 671   | 4170  | 6615   | 5949   |
| 381 Fabricated metal products                   | 1147  | 1162 | 1194  | 1209  | 26  | 34  | 35  | 36  | 1407  | 5160  | 7073   | 10139  |
| 3811 Cutlery, hand tools and general hardware   | 90    | 106  | 105   | 142   | 3   | 5   | 5   | 6   | 195   | 704   | 977    | 1563   |
| 3812 Furniture and fixtures primarily of metal  | 156   | 163  | 177   | 161   | 2   | 3   | 3   | 3   | 107   | 371   | 502    | 648    |
| 3813 Structural metal products                  | 746   | 728  | 743   | 723   | 11  | 16  | 16  | 15  | 586   | 2185  | 3175   | 4060   |
| 3819 Other fabricated metal products            | 155   | 165  | 169   | 183   | 8   | 11  | 10  | 11  | 519   | 1900  | 2419   | 3868   |
| 382 Non-electrical machinery                    | 242   | 278  | 314   | 308   | 11  | 14  | 18  | 17  | 669   | 2360  | 3957   | 5115   |
| 3821 Engines and turbines                       | -     | -    | -     | -     | -   | -   | -   | -   | -     | -     | -      | -      |
| 3822 Agricultural machinery and equipment       | 26    | 28   | 43    | 29    | 1   | 1   | 1   | 1   | 26    | 96    | 185    | 186    |
| 3823 Metal and wood working machinery           | 20    | 17   | 15    | 13    | -   | -   | -   | -   | 24    | 111   | 40     | 56     |
| 3824 Other special industrial machinery         | 46    | 51   | 59    | 55    | 1   | 1   | 2   | 2   | 84    | 203   | 457    | 608    |
| 3825 Office, computing and accounting machinery | -     | 13   | 13    | 10    | -   | -   | -   | -   | -     | 48    | 95     | 116    |
| 3829 Other non-electrical machinery & equipment | 150   | 168  | 184   | 201   | 9   | 11  | 15  | 14  | 535   | 1902  | 3180   | 4151   |
| 383 Electrical machinery                        | 220   | 239  | 246   | 237   | 13  | 17  | 19  | 19  | 878   | 3356  | 4960   | 6572   |
| 3831 Electrical industrial machinery            | 74    | 95   | 105   | 99    | 4   | 6   | 9   | 9   | 290   | 1298  | 2402   | 3213   |
| 3832 Radio, television and communication equipm | 49    | 41   | 38    | 28    | 3   | 3   | 3   | 3   | 177   | 684   | 655    | 874    |
| 3833 Electrical appliances and housewares       | 9     | 9    | 11    | 9     | 1   | 1   | 1   | 1   | 34    | 159   | 258    | 313    |
| 3839 Other electrical apparatus and supplies    | 88    | 94   | 92    | 101   | 5   | 6   | 6   | 6   | 377   | 1215  | 1646   | 2172   |
| 384 Transport equipment                         | 251   | 246  | 270   | 253   | 20  | 17  | 19  | 21  | 1505  | 3460  | 5286   | 8286   |
| 3841 Shipbuilding and repairing                 | 20    | 18   | 20    | 17    | 1   | 1   | 1   | 1   | 59    | 136   | 201    | 522    |
| 3842 Railroad equipment                         | -     | -    | -     | -     | -   | -   | -   | -   | -     | -     | -      | -      |
| 3843 Motor vehicles                             | 211   | 208  | 229   | 220   | 18  | 15  | 18  | 19  | 1432  | 3272  | 5005   | 7662   |
| 3844 Motorcycles and bicycles                   | 14    | 15   | 16    | 15    | -   | -   | -   | -   | 12    | 43    | 68     | 100    |
| 3845 Aircraft                                   | -     | 1    | 1     | -     | -   | -   | -   | -   | -     | -     | -      | -      |
| 3849 Other transport equipment                  | 6     | 4    | 4     | 1     | -   | -   | -   | -   | 2     | 9     | 12     | 2      |
| 385 Professional and scientific equipment       | 43    | 53   | 58    | 51    | 2   | 3   | 3   | 3   | 148   | 603   | 834    | 1522   |
| 3851 Prof. and scientific equipment n e c       | 29    | 40   | 45    | 40    | 1   | 2   | 2   | 2   | 114   | 531   | 695    | 1347   |
| 3852 Photographic and optical goods             | 11    | 12   | 12    | 10    | 1   | -   | 1   | -   | 26    | 69    | 136    | 169    |
| 3853 Watches and clocks                         | 3     | 1    | 1     | 1     | -   | -   | -   | -   | 9     | 3     | 4      | 6      |
| 390 Other manufacturing industries              | 169   | 170  | 175   | 169   | 5   | 6   | 6   | 6   | 237   | 866   | 1133   | 1665   |
| 3901 Jewellery and related articles             | 32    | 28   | 22    | 23    | -   | -   | -   | -   | 21    | 87    | 80     | 98     |
| 3902 Musical instruments                        | 6     | 1    | 2     | 4     | -   | -   | -   | -   | 1     | -     | -      | -      |
| 3903 Sporting and athletic goods                | 1     | 10   | 10    | 4     | -   | -   | -   | -   | 4     | 23    | 33     | 22     |
| 3909 Manufacturing industries, n e c            | 130   | 131  | 141   | 142   | 4   | 5   | 6   | 6   | 211   | 755   | 1020   | 1546   |
| 3 Total manufacturing                           | 10084 | 9978 | 10540 | 10374 | 406 | 464 | 498 | 495 | 26947 | 92009 | 137417 | 169329 |

## Venezuela

## Output in producers' prices

(million BOLIVARES)

| ISIC Industry                                    | Note | Output in producers' prices<br>(million BOLIVARES) |        |        |        |
|--|------|--|--------|--------|--------|
|  |      | 1985   | 1990   | 1991   | 1992   |
| 311/2 Food Products                              |      | 42567  | 185081 | 263372 | 348019 |
| 3111 Slaughtering, preparing & preserving meat   |      | 5994   | 22883  | 41853  | 62156  |
| 3112 Dairy products                              |      | 6734   | 27393  | 41185  | 61573  |
| 3113 Canning, preserving of fruits & vegetables  |      | 2372   | 11597  | 15841  | 23169  |
| 3114 Canning, preserving and processing of fish  |      | 1059   | 4048   | 5885   | 6333   |
| 3115 Vegetable and animal oils and fats          |      | 3739   | 17086  | 24652  | 18892  |
| 3116 Grain mill products                         |      | 6983   | 40194  | 50296  | 62267  |
| 3117 Bakery products                             |      | 135  | 18193  | 24275  | 30794  |
| 3118 Sugar factories and refineries              |      | 2742   | 10707  | 13078  | 19212  |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 1979   | 7305   | 11094  | 17548  |
| 3121 Other food products                         |      | 2469   | 9060   | 11340  | 14779  |
| 3122 Prepared animal feeds                       |      | 4361   | 16615  | 23873  | 33296  |
| 313 Beverages                                    |      | 10478  | 44590  | 65975  | 93812  |
| 3131 Distilling, rectifying and blending spirits |      | 2161   | 7821   | 12262  | 21805  |
| 3132 Wine industries                             |      | 163  | 530    | 687    | 971    |
| 3133 Malt liquors and malt                       |      | 5190   | 23542  | 34330  | 47846  |
| 3134 Soft drinks and carbonated waters           |      | 2964   | 12697  | 18695  | 23190  |
| 314 Tobacco                                      |      | 5332   | 16338  | 23526  | 34357  |
| 321 Textiles                                     |      | 8463   | 33356  | 43027  | 48470  |
| 3211 Spinning, weaving and finishing textiles    |      | 7324   | 29810  | 38439  | 43228  |
| 3212 Made-up textile goods excl. wearing apparel |      | 247  | 599    | 850    | 1327   |
| 3213 Knitting mills                              |      | 320  | 786    | 408    | 497    |
| 3214 Carpets and rugs                            |      | 326  | 930    | 1790   | 1725   |
| 3215 Cordage, rope and twine                     |      | 208  | 745    | 954    | 1138   |
| 3219 Other textiles                              |      | 38   | 486    | 586    | 555    |
| 322 Wearing apparel, except footwear             |      | 6672   | 20114  | 26532  | 35803  |
| 323 Leather and fur products                     |      | 1369   | 5973   | 9031   | 10253  |
| 3231 Tanneries and leather finishing             |      | -  | -      | -      | -      |
| 3232 Fur dressing and dyeing industries          |      | 956  | 5055   | 7855   | 9763   |
| 3233 Leather prods. excl. wearing apparel        |      | 413  | 918    | 1176   | 1490   |
| 324 Footwear, except rubber or plastic           |      | 3072   | 12747  | 17851  | 22187  |
| 331 Wood products, except furniture              |      | 1410   | 4235   | 6317   | 10144  |
| 3311 Sawmills, planing and other wood mills      |      | 1278   | 3745   | 5530   | 9241   |
| 3312 Wooden and cane containers                  |      | 4  | 14     | 28     | 41     |
| 3319 Other wood and cork products                |      | 128  | 472    | 759    | 862    |
| 332 Furniture and fixtures, excl. metal          |      | 2423   | 7735   | 13189  | 18902  |
| 341 Paper and products                           |      | 6659   | 34598  | 54466  | 56555  |
| 3411 Pulp, paper and paperboard articles         |      | 4567   | 24074  | 35496  | 35864  |
| 3412 Container of paper and paperboard           |      | 1830   | 9088   | 16973  | 17851  |
| 3419 Other pulp, paper and paperboard articles   |      | 262  | 1436   | 1997   | 2840   |
| 342 Printing and publishing                      |      | 4833   | 23087  | 32715  | 39538  |
| 351 Industrial chemicals                         |      | 6468   | 48815  | 79739  | 94150  |
| 3511 Basic chemicals excl. fertilizers           |      | 3091   | 18249  | 34087  | 39374  |
| 3512 Fertilizers and pesticides                  |      | 2411   | 12591  | 20981  | 26454  |
| 3513 Synthetic resins and plastic materials      |      | 2566   | 17975  | 24671  | 28349  |
| 352 Other chemicals                              |      | 12924  | 60085  | 89464  | 123500 |
| 3521 Paints, varnishes and lacquers              |      | 1766   | 8010   | 14174  | 21161  |
| 3522 Drugs and medicines                         |      | 3116   | 17667  | 24772  | 32837  |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 6029   | 24771  | 36065  | 51118  |
| 3529 Other chemical products                     |      | 2013   | 9637   | 14453  | 18384  |
| 353 Petroleum refineries                         |      | 39659  | 274885 | 241740 | 294458 |

## Value added in producers' prices

(million BOLIVARES)

| ISIC Industry                                    | Note | Value added in producers' prices<br>(million BOLIVARES) |        |        |        | Share of value added in output<br>(percentage) |      | Share of wages and salaries in value added<br>(percentage) |      |
|--|------|---|--------|--------|--------|--|------|--|------|
|  |      | 1985  | 1990   | 1991   | 1992   | 1985   | 1992 | 1985   | 1992 |
| 311/2 Food Products                              |      | 11974   | 56737  | 76857  | 107310 | 28.1   | 30.8 | 36.1   | 24.0 |
| 3111 Slaughtering, preparing & preserving meat   |      | 1482  | 4027   | 6516   | 12076  | 24.7   | 19.4 | 33.5   | 29.0 |
| 3112 Dairy products                              |      | 795   | 6812   | 9633   | 14601  | 11.8   | 23.7 | 65.4   | 26.3 |
| 3113 Canning, preserving of fruits & vegetables  |      | 939   | 4799   | 7046   | 11176  | 39.6   | 48.2 | 37.3   | 20.9 |
| 3114 Canning, preserving and processing of fish  |      | 400   | 1371   | 1805   | 2326   | 37.8   | 36.7 | 40.5   | 46.6 |
| 3115 Vegetable and animal oils and fats          |      | 1221  | 5782   | 8579   | 4557   | 32.7   | 27.0 | 18.9   | 22.8 |
| 3116 Grain mill products                         |      | 1967  | 13863  | 17028  | 21200  | 28.2   | 34.0 | 28.1   | 17.0 |
| 3117 Bakery products                             |      | 1646  | 5931   | 7282   | 10413  | 39.8   | 33.8 | 45.1   | 39.0 |
| 3118 Sugar factories and refineries              |      | 854   | 3444   | 3898   | 8557   | 31.1   | 44.5 | 39.8   | 24.1 |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 950   | 3544   | 5350   | 8976   | 48.0   | 51.2 | 45.9   | 20.1 |
| 3121 Other food products                         |      | 752   | 3172   | 4167   | 5289   | 30.5   | 35.8 | 31.3   | 22.9 |
| 3122 Prepared animal feeds                       |      | 968   | 3992   | 5543   | 8140   | 22.2   | 24.4 | 25.9   | 14.5 |
| 313 Beverages                                    |      | 6271  | 27350  | 37409  | 55223  | 59.8   | 58.9 | 18.3   | 13.6 |
| 3131 Distilling, rectifying and blending spirits |      | 1320  | 4126   | 5723   | 11996  | 61.1   | 55.0 | 13.8   | 13.7 |
| 3132 Wine industries                             |      | 98  | 279    | 298    | 453    | 60.1   | 46.7 | 21.4   | 24.1 |
| 3133 Malt liquors and malt                       |      | 3601  | 16572  | 22537  | 31707  | 69.4   | 66.3 | 14.7   | 11.4 |
| 3134 Soft drinks and carbonated waters           |      | 1252  | 6373   | 8851   | 11067  | 42.2   | 47.7 | 32.8   | 19.5 |
| 314 Tobacco                                      |      | 4475  | 12826  | 19539  | 28906  | 83.9   | 84.1 | 7.9  | 9.2  |
| 321 Textiles                                     |      | 3789  | 13658  | 15642  | 19686  | 44.8   | 40.4 | 39.7   | 35.9 |
| 3211 Spinning, weaving and finishing textiles    |      | 3332  | 12480  | 14121  | 17620  | 45.5   | 40.8 | 39.8   | 35.6 |
| 3212 Made-up textile goods excl. wearing apparel |      | 106   | 220    | 291    | 503    | 42.9   | 37.9 | 49.1   | 41.9 |
| 3213 Knitting mills                              |      | 104   | 162    | 111    | 115    | 32.5   | 23.1 | 32.7   | 59.1 |
| 3214 Carpets and rugs                            |      | 118   | 386    | 629    | 726    | 36.2   | 42.1 | 30.5   | 30.3 |
| 3215 Cordage, rope and twine                     |      | 114   | 303    | 362    | 484    | 54.8   | 42.5 | 45.6   | 44.0 |
| 3219 Other textiles                              |      | 15  | 107    | 128    | 138    | 39.5   | 24.9 | 33.3   | 29.7 |
| 322 Wearing apparel, except footwear             |      | 2694  | 7487   | 11052  | 15655  | 40.4   | 43.7 | 49.3   | 37.1 |
| 323 Leather and fur products                     |      | 433   | 1853   | 2767   | 3044   | 31.6   | 29.7 | 35.3   | 33.8 |
| 3231 Tanneries and leather finishing             |      | -   | -      | -      | -      | -  | -    | -  | -    |
| 3232 Fur dressing and dyeing industries          |      | 288   | 1559   | 2385   | 2498   | 30.1   | 28.5 | 31.3   | 28.9 |
| 3233 Leather prods. excl. wearing apparel        |      | 145   | 294    | 382    | 546    | 35.1   | 36.6 | 43.4   | 56.2 |
| 324 Footwear, except rubber or plastic           |      | 1182  | 4210   | 6306   | 8079   | 38.5   | 36.4 | 51.3   | 42.8 |
| 331 Wood products, except furniture              |      | 600   | 1698   | 2367   | 3848   | 42.6   | 38.0 | 43.8   | 41.6 |
| 3311 Sawmills, planing and other wood mills      |      | 544   | 1513   | 2068   | 3480   | 42.6   | 37.7 | 43.0   | 40.6 |
| 3312 Wooden and cane containers                  |      | -   | 5      | 14     | 12     | -  | 29.3 | -  | 91.7 |
| 3319 Other wood and cork products                |      | 54  | 180    | 285    | 366    | 42.2   | 42.5 | 51.9   | 49.2 |
| 332 Furniture and fixtures, excl. metal          |      | 1068  | 3037   | 5170   | 7378   | 44.1   | 39.0 | 48.9   | 38.7 |
| 341 Paper and products                           |      | 2674  | 12983  | 20882  | 21396  | 40.2   | 27.8 | 30.2   | 27.0 |
| 3411 Pulp, paper and paperboard articles         |      | 2019  | 9459   | 13887  | 14913  | 44.2   | 41.6 | 28.5   | 24.6 |
| 3412 Container of paper and paperboard           |      | 548   | 3132   | 6478   | 5613   | 29.9   | 30.9 | 42.9   | 33.4 |
| 3419 Other pulp, paper and paperboard articles   |      | 107   | 392    | 517    | 969    | 40.8   | 34.1 | 34.6   | 27.9 |
| 342 Printing and publishing                      |      | 2246  | 8554   | 12638  | 17630  | 46.5   | 44.6 | 49.3   | 34.1 |
| 351 Industrial chemicals                         |      | 3733  | 20792  | 36823  | 44182  | 44.1   | 46.9 | 22.8   | 21.1 |
| 3511 Basic chemicals excl. fertilizers           |      | 1538  | 8854   | 18099  | 19379  | 49.8   | 49.3 | 25.7   | 20.8 |
| 3512 Fertilizers and pesticides                  |      | 1055  | 5459   | 8020   | 14407  | 43.8   | 54.5 | 23.1   | 23.2 |
| 3513 Synthetic resins and plastic materials      |      | 1140  | 6479   | 10704  | 10396  | 38.4   | 36.7 | 18.4   | 18.6 |
| 352 Other chemicals                              |      | 6678  | 31046  | 44840  | 65725  | 51.7   | 53.2 | 31.5   | 23.6 |
| 3521 Paints, varnishes and lacquers              |      | 804   | 2534   | 5881   | 11271  | 45.5   | 53.3 | 29.0   | 13.7 |
| 3522 Drugs and medicines                         |      | 1853  | 10279  | 13292  | 17835  | 59.5   | 54.3 | 36.5   | 25.9 |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | 3099  | 13695  | 19243  | 28458  | 61.4   | 55.7 | 49.9   | 23.2 |
| 3529 Other chemical products                     |      | 922   | 4638   | 6424   | 8161   | 45.8   | 44.4 | 34.7   | 33.7 |
| 353 Petroleum refineries                         |      | 27264   | 222042 | 152726 | 221006 | 68.7   | 75.1 | 3.3  | 3.6  |

|   |        |         |         |         |        |        |        |        |      |      |      |      |
|---|--------|---------|---------|---------|--------|--------|--------|--------|------|------|------|------|
| 354 Misc petroleum and coal products            | 602    | 1823    | 3025    | 3635    | 224    | 899    | 1451   | 1476   | 37 2 | 40 6 | 29 5 | 24 3 |
| 355 Rubber products                             | 2775   | 13599   | 19539   | 24766   | 1410   | 6518   | 8101   | 11323  | 50 8 | 45 7 | 37 0 | 25 2 |
| 3551 Tyres and tubes                            | 2350   | 12286   | 16368   | 21191   | 1222   | 5940   | 6819   | 9799   | 52 0 | 46 2 | 35 8 | 22 5 |
| 3559 Other rubber products                      | 425    | 1313    | 3171    | 3575    | 188    | 578    | 1282   | 1524   | 44 2 | 42 6 | 44 1 | 43 0 |
| 356 Plastic products                            | 5849   | 25645   | 40223   | 43440   | 2613   | 10078  | 14620  | 17508  | 44 7 | 40 3 | 37 7 | 33 7 |
| 361 Pottery, china, earthenware                 | 412    | 1534    | 2490    | 3981    | 295    | 844    | 1542   | 2527   | 71 6 | 63 5 | 43 7 | 41 7 |
| 362 Glass and products                          | 1854   | 8920    | 13290   | 18631   | 988    | 5124   | 7396   | 11401  | 53 3 | 61 2 | 38 6 | 19 0 |
| 369 Other non-metallic mineral products         | 5239   | 25910   | 37065   | 52469   | 2834   | 13614  | 18666  | 26366  | 54 1 | 50 2 | 39 1 | 28 9 |
| 3691 Structural clay products                   | 1255   | 7920    | 9352    | 12200   | 722    | 4158   | 4838   | 6423   | 57 5 | 52 6 | 41 0 | 31 3 |
| 3692 Cement, lime and plaster                   | 2197   | 10503   | 15630   | 22318   | 1250   | 6099   | 8565   | 12827  | 66 9 | 57 5 | 34 0 | 25 1 |
| 3699 Other non-metallic mineral products        | 1787   | 7487    | 12083   | 17951   | 862    | 3357   | 5263   | 7116   | 48 2 | 39 6 | 44 9 | 33 5 |
| 371 Iron and steel                              | 13461  | 68691   | 89780   | 105981  | 6411   | 23378  | 41273  | 62969  | 47 6 | 50 0 | 35 2 | 15 3 |
| 372 Non-ferrous metals                          | 8651   | 75923   | 79172   | 86197   | 3354   | 36942  | 23844  | 22299  | 38 8 | 25 9 | 20 0 | 26 7 |
| 381 Fabricated metal products                   | 9060   | 44449   | 62848   | 85459   | 3769   | 15770  | 21478  | 30976  | 41 6 | 36 2 | 37 3 | 32 7 |
| 3811 Cutlery, hand tools and general hardware   | 959    | 4996    | 6370    | 10588   | 503    | 2153   | 2696   | 4719   | 52 5 | 44 6 | 38 8 | 33 1 |
| 3812 Furniture and fixtures primarily of metal  | 537    | 2402    | 3146    | 4163    | 212    | 869    | 1198   | 1535   | 39 5 | 36 9 | 60 5 | 42 2 |
| 3813 Structural metal products                  | 2861   | 13257   | 20388   | 26356   | 1318   | 5238   | 7893   | 10769  | 46 1 | 40 9 | 44 5 | 37 7 |
| 3819 Other fabricated metal products            | 4703   | 23794   | 32944   | 44352   | 1736   | 7510   | 9691   | 13953  | 36 9 | 31 5 | 29 9 | 27 7 |
| 382 Non-electrical machinery                    | 4049   | 20014   | 36713   | 44594   | 1808   | 8434   | 13238  | 18466  | 44 7 | 41 4 | 37 0 | 27 7 |
| 3821 Engines and turbines                       | -      | -       | -       | -       | -      | -      | -      | -      | -    | -    | -    | -    |
| 3822 Agricultural machinery and equipment       | 145    | 553     | 1239    | 1209    | 61     | 252    | 535    | 562    | 42 1 | 46 5 | 42 6 | 33 1 |
| 3823 Metal and wood working machinery           | 166    | 1040    | 232     | 307     | 93     | 606    | 82     | 138    | 56 0 | 45 0 | 25 8 | 40 6 |
| 3824 Other special industrial machinery         | 378    | 1770    | 5864    | 5350    | 192    | 878    | 2796   | 2630   | 50 8 | 49 2 | 43 8 | 23 0 |
| 3825 Office, computing and accounting machinery | -      | 261     | 436     | 509     | -      | 187    | 276    | 392    | -    | 77 0 | -    | 29 6 |
| 3829 Other non-electrical machinery & equipment | 3360   | 16390   | 28942   | 37219   | 1462   | 6511   | 9549   | 14744  | 43 5 | 39 6 | 36 6 | 28 2 |
| 383 Electrical machinery                        | 5550   | 27768   | 38353   | 52056   | 2301   | 11506  | 14063  | 20221  | 41 5 | 38 8 | 38 2 | 32 5 |
| 3831 Electrical industrial machinery            | 1371   | 8508    | 14119   | 18357   | 688    | 4045   | 5866   | 8053   | 50 2 | 43 9 | 42 2 | 39 5 |
| 3832 Radio, television and communication equipm | 1293   | 5590    | 7016    | 9045    | 548    | 2188   | 2190   | 3046   | 42 4 | 33 7 | 32 3 | 28 7 |
| 3833 Electrical appliances and housewares       | 378    | 1526    | 2506    | 3365    | 200    | 897    | 1204   | 1912   | 52 9 | 66 8 | 17 0 | 16 4 |
| 3839 Other electrical apparatus and supplies    | 2508   | 12144   | 14712   | 21289   | 865    | 4376   | 4803   | 7210   | 34 5 | 33 9 | 43 6 | 30 1 |
| 384 Transport equipment                         | 13677  | 36229   | 82339   | 130440  | 3646   | 9286   | 27246  | 42048  | 26 7 | 32 2 | 41 3 | 19 7 |
| 3841 Shipbuilding and repairing                 | 257    | 656     | 1027    | 1801    | 152    | 275    | 447    | 516    | 69 1 | 50 9 | 38 8 | 57 0 |
| 3842 Railroad equipment                         | -      | -       | -       | -       | -      | -      | -      | -      | -    | -    | -    | -    |
| 3843 Motor vehicles                             | 13314  | 35073   | 80298   | 127204  | 3457   | 8854   | 26511  | 40742  | 26 0 | 32 0 | 41 4 | 18 8 |
| 3844 Motorcycles and bicycles                   | 91     | 445     | 925     | 1416    | 32     | 136    | 259    | 382    | 35 2 | 27 0 | 37 5 | 26 2 |
| 3845 Aircraft                                   | -      | 2       | 2       | -       | -      | -      | -      | -      | -    | -    | -    | -    |
| 3849 Other transport equipment                  | 15     | 53      | 87      | 19      | 5      | 19     | 29     | 8      | 33 3 | 42 1 | 40 0 | 26 0 |
| 385 Professional and scientific equipment       | 536    | 4101    | 7063    | 7150    | 196    | 1740   | 3658   | 3867   | 36 6 | 54 1 | 75 5 | 39 4 |
| 3851 Prof. and scientific equipment n e c       | 415    | 3785    | 6328    | 6229    | 131    | 1586   | 3274   | 3421   | 31 6 | 54 9 | 87 0 | 39 4 |
| 3852 Photographic and optical goods             | 94     | 306     | 722     | 904     | 47     | 147    | 377    | 435    | 50 0 | 48 1 | 53 2 | 38 9 |
| 3853 Watches and clocks                         | 27     | 10      | 13      | 17      | 18     | 7      | 7      | 11     | 66 7 | 64 7 | 50 0 | 54 5 |
| 390 Other manufacturing industries              | 1241   | 5338    | 6940    | 9335    | 611    | 2622   | 3299   | 4610   | 49 2 | 49 4 | 38 8 | 36 1 |
| 3901 Jewellery and related articles             | 141    | 558     | 555     | 685     | 48     | 196    | 204    | 204    | 34 0 | 29 8 | 43 8 | 48 0 |
| 3902 Musical instruments                        | 3      | 4       | 14      | -       | 2      | 1      | 4      | -      | 66 7 | -    | 50 0 | -    |
| 3903 Sporting and athletic goods                | 36     | 155     | 217     | 330     | 15     | 81     | 95     | 98     | 41 7 | 29 7 | 26 7 | 22 4 |
| 3909 Manufacturing industries, n e c            | 1061   | 4621    | 6154    | 8320    | 546    | 2343   | 2996   | 4308   | 61 5 | 51 8 | 38 6 | 35 9 |
| 3 Total manufacturing                           | 227285 | 1131583 | 1485784 | 1898282 | 105531 | 571028 | 644893 | 885023 | 46 4 | 46 6 | 25 5 | 19 1 |

## Venezuela

| ISIC Industry                             | Note | Gross fixed capital formation |       |       |        | Note | Index numbers of industrial production |      |      |      |      |      |      |      |
|---|------|-------------------------------|-------|-------|--------|------|--|------|------|------|------|------|------|------|
|   |      | (million BOLIVARES)           |       |       |        |      | (1980=100)                             |      |      |      |      |      |      |      |
|   |      | 1985                          | 1990  | 1991  | 1992   |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| 311/2 Food Products                       |      | 1454                          | 7129  | 8471  | 14464  |      | 171                                    | 212  | 246  | 305  | 374  | 703  | ...  | ...  |
| 313 Beverages                             |      | 467                           | 1145  | 3483  | 4184   |      | 161                                    | 175  | 203  | 280  | 357  | 574  | ...  | ...  |
| 314 Tobacco                               |      | 49                            | 210   | 787   | 1621   |      | 96                                     | 119  | 101  | 140  | 173  | 291  | ...  | ...  |
| 321 Textiles                              |      | 532                           | 976   | 3089  | -122   |      | 166                                    | 185  | 216  | 331  | 451  | 613  | ...  | ...  |
| 322 Wearing apparel, except footwear      |      | 193                           | 781   | 758   | 915    |      | 142                                    | 140  | 152  | 214  | 295  | 350  | ...  | ...  |
| 323 Leather and fur products              |      | 50                            | 222   | 314   | 397    |      | 155                                    | 204  | 271  | 441  | 578  | 717  | ...  | ...  |
| 324 Footwear, except rubber or plastic    |      | 116                           | 337   | 692   | 852    |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 331 Wood products, except furniture       |      | 67                            | 160   | 668   | 424    |      | 110                                    | 121  | 148  | 203  | 304  | 308  | ...  | ...  |
| 332 Furniture and fixtures, excl metal    |      | 57                            | 187   | 197   | 386    |      | 96                                     | 110  | 137  | 185  | 264  | 226  | ...  | ...  |
| 341 Paper and products                    |      | 470                           | 3986  | 3066  | 5159   |      | 193                                    | 205  | 243  | 347  | 471  | 796  | ...  | ...  |
| 342 Printing and publishing               |      | 341                           | 1160  | 4390  | 3206   |      | 155                                    | 205  | 231  | 356  | 469  | 682  | ...  | ...  |
| 351 Industrial chemicals                  |      | 550                           | 4123  | 5060  | 15004  |      | 163                                    | 191  | 247  | 440  | 576  | 1055 | ...  | ...  |
| 352 Other chemicals                       |      | 476                           | 1834  | 3304  | 3920   |      | 142                                    | 175  | 205  | 338  | 418  | 826  | ...  | ...  |
| 353 Petroleum refineries                  |      | 654                           | 8329  | 16802 | 29691  | a/   | 110                                    | 143  | 200  | 282  | 392  | 431  | ...  | ...  |
| 354 Misc petroleum and coal products      |      | 44                            | 77    | 269   | 631    | a/   | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 355 Rubber products                       |      | 150                           | 474   | 642   | 2018   |      | 110                                    | 171  | 204  | 289  | 313  | 509  | ...  | ...  |
| 356 Plastic products                      |      | 417                           | 1352  | 9177  | 2975   |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 361 Pottery, china, earthenware           |      | 22                            | 655   | 320   | 219    |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 362 Glass and products                    |      | 115                           | 640   | 2605  | 3401   |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 363 Other non-metallic mineral products   |      | 203                           | 6761  | 4403  | 4585   |      | 101                                    | 120  | 166  | 215  | 252  | 391  | ...  | ...  |
| 371 Iron and steel                        |      | 380                           | 12917 | 10737 | 21572  |      | 124                                    | 119  | 173  | 272  | 386  | 608  | ...  | ...  |
| 372 Non-ferrous metals                    |      | 496                           | 14978 | 8774  | 8671   |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 381 Fabricated metal products             |      | 527                           | 1532  | 3171  | 3763   |      | 130                                    | 156  | 184  | 252  | 301  | 447  | ...  | ...  |
| 382 Non-electrical machinery              |      | 154                           | 757   | 1419  | 2110   |      | 166                                    | 184  | 232  | 375  | 531  | 748  | ...  | ...  |
| 383 Electrical machinery                  |      | 240                           | 1359  | 1026  | 2643   |      | 105                                    | 101  | 119  | 213  | 273  | 376  | ...  | ...  |
| 384 Transport equipment                   |      | 287                           | 1187  | 1511  | 2779   |      | 115                                    | 129  | 180  | 265  | 308  | 200  | ...  | ...  |
| 385 Professional and scientific equipment |      | 48                            | 430   | 192   | 166    |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| 390 Other manufacturing industries        |      | 56                            | 185   | 266   | 439    |      | 118                                    | 110  | 134  | 177  | 244  | 290  | ...  | ...  |
| 3 Total manufacturing                     |      | 8615                          | 73893 | 95593 | 136073 |      | ...                                    | ...  | ...  | ...  | ...  | ...  | ...  | ...  |

a/ 353 includes 354



## ZIMBABWE

**Supplier of information:**

Central Statistical Office, Harare.

**Basic source of data:**

Annual census of production.

**Major deviations from current version of ISIC:**

Data collected under the national classification system have been reclassified by the national authorities to correspond approximately with the current version of the ISIC. It should be noted that: footwear made of vulcanized or moulded rubber, (part of ISIC 355) and footwear made of plastic (part of ISIC 356) have been included in ISIC 324.

**Reference period (if not calendar year):**

Fiscal year beginning 1 April of the year indicated.

**Scope:**

All public and private establishments engaged in manufacturing. Establishments with an annual output of less than 2,000 dollars and establishments mainly in the nature of "self-employed", such as dressmakers, tailors, cabinet makers etc. are not included.

**Method of enumeration:**

Questionnaires distributed by mail with follow-up site visits as required.

**Adjusted for non-response:**

Yes.

**Concepts and definitions of variables:**

Number of employees relates to the annual average number of persons on the payroll, including working proprietors and family members if they are paid a definite wage or salary.

Wages and salaries includes employers' contributions to pension, medical aid or similar schemes.

Output refers to census output and is not adjusted for the cost of purchases of goods for resale without further processing.

Gross fixed capital formation includes progress payments for fixed assets on order.

**Related national publications:**

The Census of Production (annual); Monthly Digest of Statistics, both published by the Central Statistical Office, Harare.

## Zimbabwe

| ISIC Industry                                    | Note | Number of establishments |      |      |      | Note   | Number of employees |        |      |         | Note    | Wages and salaries paid to employees |      |      |      |
|--|------|--------------------------|------|------|------|--------|---------------------|--------|------|---------|---------|--------------------------------------|------|------|------|
|  |      | (numbers)                |      |      |      |        | (thousands)         |        |      |         |         | (million DOLLARS)                    |      |      |      |
|  |      | 1985                     | 1989 | 1990 | 1991 |        | 1985                | 1989   | 1990 | 1991    |         | 1985                                 | 1989 | 1990 | 1991 |
| 311/2 Food Products                              |      | 118                      | 99   | 105  |      | 28 1   | 26 8                | 28 4   |      | 224 7   | 240 4   | 343 5                                |      |      |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 10                       | 12   | 10   |      | 5 3    | 5 5                 | 5 5    |      | 51 8    | 65 9    | 81 2                                 |      |      |      |
| 3112 Dairy products                              |      | 19a/                     | 18a/ | 18a/ |      | 8 7a/  | 5 3a/               | 8 2a/  |      | 75 6a/  | 63 8a/  | 120 4a/                              |      |      |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 11                       |      |      |      | 1 5    | 1 5                 | 1 3    |      | 5 7     | 5 7     | 5 4                                  |      |      |      |
| 3114 Canning, preserving and processing of fish  |      | a/                       | a/   | a/   |      | a/     | a/                  | a/     |      | a/      | a/      | a/                                   |      |      |      |
| 3115 Vegetable and animal oils and fats          |      | a/                       | a/   | a/   |      | a/     | a/                  | a/     |      | a/      | a/      | a/                                   |      |      |      |
| 3116 Grain mill products                         |      | 18b/                     | 9b/  | 11b/ |      | 7 1b/  | 7 7b/               | 7 0b/  |      | 55 9b/  | 72 6b/  | 82 6b/                               |      |      |      |
| 3117 Bakery products                             |      | 54                       | 54   | 59   |      | 4 3    | 5 5                 | 4 9    |      | 27 8    | 34 6    | 36 9                                 |      |      |      |
| 3118 Sugar factories and refineries              |      | a/                       | a/   | a/   |      | a/     | a/                  | a/     |      | a/      | a/      | a/                                   |      |      |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 6                        | 6    | 7    |      | 1 3    | 1 3                 | 1 6    |      | 6 9     | 7 8     | 16 9                                 |      |      |      |
| 3121 Other food products                         |      | a/                       | a/   | a/   |      | a/     | a/                  | a/     |      | a/      | a/      | a/                                   |      |      |      |
| 3122 Prepared animal feeds                       |      | b/                       | b/   | b/   |      | b/     | b/                  | b/     |      | b/      | b/      | b/                                   |      |      |      |
| 313 Beverages                                    |      | 17                       | 15   | 15   |      | 7 5    | 6 7                 | 6 7    |      | 64 8    | 77 5    | 105 6                                |      |      |      |
| 3131 Distilling, rectifying and blending spirits |      | 9c/                      | 7c/  | 7c/  |      | 4 9c/  | 3 8c/               | 3 9c/  |      | 43 8c/  | 47 7c/  | 66 5c/                               |      |      |      |
| 3132 Wine industries                             |      | c/                       | c/   | c/   |      | c/     | c/                  | c/     |      | c/      | c/      | c/                                   |      |      |      |
| 3133 Malt liquors and malt                       |      | c/                       | c/   | c/   |      | c/     | c/                  | c/     |      | c/      | c/      | c/                                   |      |      |      |
| 3134 Soft drinks and carbonated waters           |      | 8                        | 8    | 8    |      | 2 5    | 2 9                 | 2 9    |      | 21 0    | 29 7    | 39 0                                 |      |      |      |
| 314 Tobacco                                      |      | 8                        | 8    | 8    |      | 4 2    | 5 4                 | 6 0    |      | 35 5    | 45 2    | 68 8                                 |      |      |      |
| 321 Textiles                                     |      | 55                       | 50   | 51   |      | 25 0   | 23 3                | 25 3   |      | 154 3   | 184 2   | 232 0                                |      |      |      |
| 3211 Spinning, weaving and finishing textiles    |      | 28d/                     | 26d/ | 26d/ |      | 19 4d/ | 18 5d/              | 20 7d/ |      | 120 3d/ | 151 4d/ | 190 5d/                              |      |      |      |
| 3212 Made-up textile goods excl wearing apparel  |      |                          |      |      |      |        |                     |        |      |         |         |                                      |      |      |      |
| 3213 Knitting mills                              |      | 16e/                     | 14e/ | 14e/ |      | 3 4e/  | 2 6e/               | 2 7e/  |      | 19 1e/  | 16 6e/  | 21 4e/                               |      |      |      |
| 3214 Carpets and rugs                            |      | d/                       | d/   | d/   |      | d/     | d/                  | d/     |      | d/      | d/      | d/                                   |      |      |      |
| 3215 Cordage, rope and twine                     |      | e/                       | e/   | e/   |      | e/     | e/                  | e/     |      | e/      | e/      | e/                                   |      |      |      |
| 3219 Other textiles                              |      | 11                       | 10   | 11   |      | 2 3    | 2 2                 | 1 9    |      | 14 9    | 16 2    | 20 0                                 |      |      |      |
| 322 Wearing apparel, except footwear             |      | 103                      | 111  | 106  |      | 18 0   | 20 7                | 19 9   |      | 89 5    | 117 3   | 136 5                                |      |      |      |
| 323 Leather and fur products                     |      | 13                       | 13   | 13   |      | 1 0    | 1 2                 | 1 0    |      | 5 0     | 5 5     | 5 5                                  |      |      |      |
| 3231 Tanneries and leather finishing             |      |                          |      |      |      |        |                     |        |      |         |         |                                      |      |      |      |
| 3232 Fur dressing and dyeing industries          |      |                          |      |      |      |        |                     |        |      |         |         |                                      |      |      |      |
| 3233 Leather prods excl wearing apparel          |      |                          |      |      |      |        |                     |        |      |         |         |                                      |      |      |      |
| 324 Footwear, except rubber or plastic           |      | 13                       | 14   | 14   |      | 5 9    | 6 1                 | 5 6    |      | 42 8    | 47 7    | 64 3                                 |      |      |      |
| 331 Wood products, except furniture              |      | 30                       | 29   | 29   |      | 5 3    | 5 6                 | 5 5    |      | 32 8    | 38 6    | 47 7                                 |      |      |      |
| 3311 Sawmills, planing and other wood mills      |      |                          |      |      |      |        |                     |        |      |         |         |                                      |      |      |      |
| 3312 Wooden and cane containers                  |      |                          |      |      |      |        |                     |        |      |         |         |                                      |      |      |      |
| 3319 Other wood and cork products                |      |                          |      |      |      |        |                     |        |      |         |         |                                      |      |      |      |
| 332 Furniture and fixtures, excl metal           |      | 50                       | 44   | 44   |      | 4 7    | 4 9                 | 4 7    |      | 22 5    | 26 7    | 40 7                                 |      |      |      |
| 341 Paper and products                           |      | 12                       | 15   | 14   |      | 4 5    | 4 7                 | 4 5    |      | 47 5    | 60 4    | 70 3                                 |      |      |      |
| 3411 Pulp, paper and paperboard articles         |      | 12f/                     | 15f/ | 14f/ |      | 4 5f/  | 4 7f/               | 4 5f/  |      | 47 5f/  | 60 4f/  | 70 3f/                               |      |      |      |
| 3412 Containers of paper and paperboard          |      |                          |      |      |      |        |                     |        |      |         |         |                                      |      |      |      |
| 3419 Other pulp, paper and paperboard articles   |      | f/                       | f/   | f/   |      | f/     | f/                  | f/     |      | f/      | f/      | f/                                   |      |      |      |
| 342 Printing and publishing                      |      | 67                       | 69   | 74   |      | 4 3    | 5 9                 | 5 4    |      | 56 3    | 97 4    | 115 8                                |      |      |      |
| 351 Industrial chemicals                         |      | 11g/                     | 12g/ | 10g/ |      | 3 1g/  | 3 0g/               | 3 0g/  |      | 46 0g/  | 55 6g/  | 59 8g/                               |      |      |      |
| 3511 Basic chemicals excl fertilizers            |      | 7h/                      | 7h/  | 6h/  |      | 0 8h/  | 0 8h/               | 0 8h/  |      | 8 8h/   | 10 9h/  | 11 6h/                               |      |      |      |
| 3512 Fertilizers and pesticides                  |      | 4                        | 5    | 4    |      | 2 5    | 2 4                 | 2 4    |      | 37 2    | 45 7    | 48 3                                 |      |      |      |
| 3513 Synthetic resins and plastic materials      |      | h/                       | h/   | h/   |      | h/     | h/                  | h/     |      | h/      | h/      | h/                                   |      |      |      |
| 352 Other chemicals                              |      | 52                       | 47   | 50   |      | 5 5    | 5 8                 | 5 9    |      | 72 8    | 81 4    | 102 0                                |      |      |      |
| 3521 Paints, varnishes and lacquers              |      | 5                        | 4    | 5    |      | 0 7    | 0 7                 | 0 8    |      | 8 0     | 8 7     | 11 5                                 |      |      |      |
| 3522 Drugs and medicines                         |      | 34i/                     | 30i/ | 32i/ |      | 3 9i/  | 4 0i/               | 4 0i/  |      | 51 1i/  | 67 0i/  | 69 9i/                               |      |      |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | i/                       | i/   | i/   |      | i/     | i/                  | i/     |      | i/      | i/      | i/                                   |      |      |      |
| 3529 Other chemical products                     |      | 13                       | 13   | 13   |      | 1 0    | 1 1                 | 1 1    |      | 13 7    | 15 7    | 20 5                                 |      |      |      |
| 353 Petroleum refineries                         |      | g/h/                     | g/h/ | g/h/ |      | g/h/   | g/h/                | g/h/   |      | g/h/    | g/h/    | g/h/                                 |      |      |      |

|   | g/h/ | g/h/ | g/h/ | g/h/  | g/h/  | g/h/  | g/h/   | g/h/   | g/h/   | g/h/ |
|---|------|------|------|-------|-------|-------|--------|--------|--------|------|
| 354 Misc petroleum and coal products            |      |      |      |       |       |       |        |        |        |      |
| 355 Rubber products                             | 13   | 12   | 12   | 3 8   | 2 9   | 2 0   | 36 1   | 31 9   | 23 2   |      |
| 3551 Tyres and tubes                            |      |      |      |       |       |       |        |        |        |      |
| 3559 Other rubber products                      |      |      |      |       |       |       |        |        |        |      |
| 356 Plastic products                            | 25   | 22   | 22   | 5 0   | 3 2   | 5 2   | 41 7   | 34 5   | 64 0   |      |
| 361 Pottery, china, earthenware                 | 6    | 5    | 5    | 0 8   | 0 8   | 0 8   | 3 9    | 4 2    | 4 7    |      |
| 362 Glass and products                          | 5    | 5    | 5    | 0 5   | 0 9   | 0 9   | 8 5    | 10 8   | 14 8   |      |
| 369 Other non-metallic mineral products         | 35   | 33   | 30   | 7 5   | 5 9   | 5 0   | 54 8   | 54 1   | 69 3   |      |
| 3691 Structural clay products                   |      |      |      |       |       |       |        |        |        |      |
| 3692 Cement, lime and plaster                   |      |      |      |       |       |       |        |        |        |      |
| 3699 Other non-metallic mineral products        |      |      |      |       |       |       |        |        |        |      |
| 371 Iron and steel                              | 22   | 22   | 20   | 15 8  | 16 0  | 16 2  | 193 2  | 226 3  | 286 0  |      |
| 372 Non-ferrous metals                          | 6    | 7    | 6    | 1 3   | 1 4   | 1 5   | 10 3   | 12 6   | 20 0   |      |
| 381 Fabricated metal products                   | 178  | 171  | 177  | 15 0  | 15 8  | 14 2  | 116 3  | 137 1  | 163 1  |      |
| 3811 Cutlery, hand tools and general hardware   |      |      |      |       |       |       |        |        |        |      |
| 3812 Furniture and fixtures primarily of metal  |      |      |      |       |       |       |        |        |        |      |
| 3813 Structural metal products                  |      |      |      |       |       |       |        |        |        |      |
| 3819 Other fabricated metal products            |      |      |      |       |       |       |        |        |        |      |
| 382 Non-electrical machinery                    | 42   | 42   | 45   | 2 6   | 3 5   | 3 0   | 20 5   | 34 5   | 32 2   |      |
| 3821 Engines and turbines                       |      |      |      |       |       |       |        |        |        |      |
| 3822 Agricultural machinery and equipment       |      |      |      |       |       |       |        |        |        |      |
| 3823 Metal and wood working machinery           |      |      |      |       |       |       |        |        |        |      |
| 3824 Other special industrial machinery         |      |      |      |       |       |       |        |        |        |      |
| 3825 Office, computing and accounting machinery |      |      |      |       |       |       |        |        |        |      |
| 3829 Other non-electrical machinery & equipment |      |      |      |       |       |       |        |        |        |      |
| 383 Electrical machinery                        | 62   | 60   | 63   | 5 8   | 6 4   | 6 3   | 63 2   | 74 7   | 91 1   |      |
| 3831 Electrical industrial machinery            |      |      |      |       |       |       |        |        |        |      |
| 3832 Radio, television and communication equipm | 10   | 9    | 9    | 1 3   | 1 4   | 1 4   | 10 6   | 11 7   | 13 3   |      |
| 3833 Electrical appliances and housewares       |      |      |      |       |       |       |        |        |        |      |
| 3839 Other electrical apparatus and supplies    | 52   | 51   | 54   | 4 5   | 5 0   | 4 9   | 62 5   | 63 0   | 77 8   |      |
| 384 Transport equipment                         | 58   | 56   | 57   | 7 8   | 7 0   | 7 5   | 72 3   | 78 6   | 120 2  |      |
| 3841 Shipbuilding and repairing                 |      |      |      |       |       |       |        |        |        |      |
| 3842 Railroad equipment                         | 12j/ | 12j/ | 12j/ | 2 3j/ | 1 7j/ | 1 8j/ | 20 8j/ | 24 2j/ | 22 2j/ |      |
| 3843 Motor vehicles                             | 46   | 44   | 45   | 5 5   | 5 3   | 5 7   | 51 5   | 54 4   | 97 9   |      |
| 3844 Motorcycles and bicycles                   | j/   | j/   | j/   | j/    | j/    | j/    | j/     | j/     | j/     |      |
| 3845 Aircraft                                   | j/   | j/   | j/   | j/    | j/    | j/    | j/     | j/     | j/     |      |
| 3849 Other transport equipment                  | j/   | j/   | j/   | j/    | j/    | j/    | j/     | j/     | j/     |      |
| 385 Professional and scientific equipment       | 13   | 13   | 11   | 0 1   | 0 1   | 0 1   | 1 2    | 1 5    | 3 9    |      |
| 3851 Prof and scientific equipment n e c        |      |      |      |       |       |       |        |        |        |      |
| 3852 Photographic and optical goods             |      |      |      |       |       |       |        |        |        |      |
| 3853 watches and clocks                         |      |      |      |       |       |       |        |        |        |      |
| 390 Other manufacturing industries              | 52   | 46   | 47   | 1 7   | 1 8   | 1 7   | 10 5   | 11 8   | 14 0   |      |
| 3901 Jewellery and related articles             |      |      |      |       |       |       |        |        |        |      |
| 3902 Musical instruments                        |      |      |      |       |       |       |        |        |        |      |
| 3903 Sporting and athletic goods                |      |      |      |       |       |       |        |        |        |      |
| 3909 Manufacturing industries, n e c            |      |      |      |       |       |       |        |        |        |      |
| J Total manufacturing                           | 1066 | 1020 | 1033 | 185 5 | 185 8 | 189 3 | 1526 3 | 1791 5 | 2288 9 |      |

a/ 3112 includes 3114, 3115, 3118 and 3121  
c/ 3131 includes 3132 and 3133  
e/ 3213 includes 3215  
g/ 351 includes 353 and 354  
i/ 3522 includes 3523

b/ 3115 includes 3122  
d/ 3211 includes 3214  
f/ 3411 includes 3419  
h/ 3511 includes 3513, 353 and 354  
j/ 3842 includes 3844, 3846 and 3849

## Zimbabwe

| ISIC Industry                                    | Note | Output in factor values |          |          |      | Note | Value added in factor values |         |         |      | Share of value added in output |      | Share of wages and salaries in value added |      |
|--|------|-------------------------|----------|----------|------|------|------------------------------|---------|---------|------|--------------------------------|------|--|------|
|  |      | (million DOLLARS)       |          |          |      |      | (million DOLLARS)            |         |         |      | (percentage)                   |      | (percentage)                               |      |
|  |      | 1985                    | 1989     | 1990     | 1991 |      | 1985                         | 1989    | 1990    | 1991 | 1985                           | 1991 | 1985                                       | 1991 |
| 311/2 Food Products                              |      | 1922 5                  | 2145 2   | 3102 7   |      |      | 600 8                        | 589 1   | 1082 7  |      | 34 9                           |      | 31 7                                       |      |
| 3111 Slaughtering, preparing & preserving meat   |      | 366 2                   | 440 6    | 511 3    |      |      | 66 4                         | 118 9   | 206 1   |      | 33 7                           |      | 39 4                                       |      |
| 3112 Dairy products                              |      | 617 0a/                 | 657 0a/  | 1049 3a/ |      |      | 183 8a/                      | 202 5a/ | 410 0a/ |      | 39 1                           |      | 29 4                                       |      |
| 3113 Canning, preserving of fruits & vegetables  |      | 26 5                    | 26 6     | 24 7     |      |      | 8 5                          | 8 6     | 8 0     |      | 32 7                           |      | 68 7                                       |      |
| 3114 Canning, preserving and processing of fish  |      | a/                      | a/       | a/       |      |      | a/                           | a/      | a/      |      |                                |      |  |      |
| 3115 Vegetable and animal oils and fats          |      | a/                      | a/       | a/       |      |      | u/                           | a/      | a/      |      |                                |      |  |      |
| 3116 Grain mill products                         |      | 657 7b/                 | 771 0b/  | 960 4b/  |      |      | 261 8b/                      | 142 0b/ | 297 9b/ |      | 31 3                           |      | 27 7                                       |      |
| 3117 Bakery products                             |      | 196 9                   | 278 7    | 322 6    |      |      | 52 5                         | 85 9    | 100 4   |      | 31 1                           |      | 36 8                                       |      |
| 3118 Sugar factories and refineries              |      | a/                      | a/       | a/       |      |      | a/                           | a/      | a/      |      |                                |      |  |      |
| 3119 Cocoa, chocolate and sugar confectionery    |      | 58 3                    | 71 3     | 144 4    |      |      | 28 0                         | 31 1    | 60 3    |      | 41 7                           |      | 28 0                                       |      |
| 3121 Other food products                         |      | a/                      | a/       | a/       |      |      | a/                           | a/      | a/      |      |                                |      |  |      |
| 3122 Prepared animal feeds                       |      | b/                      | b/       | b/       |      |      | b/                           | b/      | b/      |      |                                |      |  |      |
| 313 Beverages                                    |      | 755 4                   | 953 7    | 1321 3   |      |      | 592 8                        | 739 0   | 1011 5  |      | 76 6                           |      | 10 4                                       |      |
| 3131 Distilling, rectifying and blending spirits |      | 570 7c/                 | 705 4c/  | 946 4c/  |      |      | 470 1c/                      | 581 2c/ | 791 8c/ |      | 83 7                           |      | 8 4  |      |
| 3132 Wine industries                             |      | c/                      | c/       | c/       |      |      | c/                           | c/      | c/      |      |                                |      |  |      |
| 3133 Malt liquors and malt                       |      | c/                      | c/       | c/       |      |      | c/                           | c/      | c/      |      |                                |      |  |      |
| 3134 Soft drinks and carbonated waters           |      | 184 8                   | 248 3    | 374 9    |      |      | 122 7                        | 167 8   | 219 7   |      | 58 6                           |      | 17 8                                       |      |
| 314 Tobacco                                      |      | 237 6                   | 243 0    | 523 0    |      |      | 202 3                        | 185 7   | 400 9   |      | 76 7                           |      | 17 2                                       |      |
| 321 Textiles                                     |      | 1128 2                  | 1293 4   | 1758 5   |      |      | 493 2                        | 624 2   | 764 8   |      | 42 9                           |      | 30 7                                       |      |
| 3211 Spinning, weaving and finishing textiles    |      | 940 3d/                 | 1074 3d/ | 1493 6d/ |      |      | 406 8d/                      | 523 8d/ | 647 0d/ |      | 43 3                           |      | 29 5                                       |      |
| 3212 Made up textile goods excl wearing apparel  |      |                         |          |          |      |      |                              |         |         |      |                                |      |  |      |
| 3213 Knitting mills                              |      | 91 0e/                  | 72 2e/   | 98 4e/   |      |      | 46 0e/                       | 37 5e/  | 49 7e/  |      | 50 5                           |      | 43 1                                       |      |
| 3214 Carpets and rugs                            |      | d/                      | d/       | d/       |      |      | d/                           | d/      | d/      |      |                                |      |  |      |
| 3215 Cordage, rope and twine                     |      | e/                      | e/       | e/       |      |      | e/                           | e/      | e/      |      |                                |      |  |      |
| 3219 Other textiles                              |      | 97 0                    | 147 0    | 166 5    |      |      | 40 4                         | 62 9    | 58 1    |      | 34 9                           |      | 34 4                                       |      |
| 322 Wearing apparel, except footwear             |      | 424 2                   | 546 7    | 737 7    |      |      | 198 9                        | 249 9   | 324 5   |      | 44 0                           |      | 42 0                                       |      |
| 323 Leather and fur products                     |      | 40 5                    | 55 0     | 57 0     |      |      | 13 2                         | 17 7    | 20 3    |      | 36 6                           |      | 27 6                                       |      |
| 3231 Tanneries and leather finishing             |      |                         |          |          |      |      |                              |         |         |      |                                |      |  |      |
| 3232 Fur dressing and dyeing industries          |      |                         |          |          |      |      |                              |         |         |      |                                |      |  |      |
| 3233 Leather prods excl wearing apparel          |      |                         |          |          |      |      |                              |         |         |      |                                |      |  |      |
| 324 Footwear, except rubber or plastic           |      | 221 2                   | 289 8    | 404 4    |      |      | 119 4                        | 162 7   | 210 1   |      | 62 0                           |      | 30 6                                       |      |
| 331 Wood products, except furniture              |      | 164 0                   | 201 6    | 262 2    |      |      | 75 9                         | 105 9   | 146 1   |      | 57 5                           |      | 32 9                                       |      |
| 3311 Sawmills, planing and other wood mills      |      |                         |          |          |      |      |                              |         |         |      |                                |      |  |      |
| 3312 Wooden and cane containers                  |      |                         |          |          |      |      |                              |         |         |      |                                |      |  |      |
| 3319 Other wood and cork products                |      |                         |          |          |      |      |                              |         |         |      |                                |      |  |      |
| 332 Furniture and fixtures, excl metal           |      | 116 9                   | 155 5    | 218 0    |      |      | 52 3                         | 77 3    | 94 5    |      | 43 4                           |      | 43 1                                       |      |
| 341 Paper and products                           |      | 261 9                   | 380 4    | 474 5    |      |      | 119 5                        | 167 4   | 214 0   |      | 45 1                           |      | 32 8                                       |      |
| 3411 Pulp, paper and paperboard articles         |      | 261 9f/                 | 380 4f/  | 474 5f/  |      |      | 119 5f/                      | 167 4f/ | 214 0f/ |      | 45 1                           |      | 32 8                                       |      |
| 3412 Containers of paper and paperboard          |      |                         |          |          |      |      |                              |         |         |      |                                |      |  |      |
| 3419 Other pulp, paper and paperboard articles   |      | f/                      | f/       | f/       |      |      | f/                           | f/      | f/      |      |                                |      |  |      |
| 342 Printing and publishing                      |      | 214 4                   | 354 0    | 415 0    |      |      | 143 6                        | 228 9   | 275 6   |      | 66 4                           |      | 42 0                                       |      |
| 351 Industrial chemicals                         |      | 493 0g/                 | 624 6g/  | 738 1g/  |      |      | 177 3g/                      | 281 3g/ | 219 2g/ |      | 29 7                           |      | 27 3                                       |      |
| 3511 Basic chemicals excl fertilizers            |      | 70 8h/                  | 102 9h/  | 110 0h/  |      |      | 33 7h/                       | 52 4h/  | 64 2h/  |      | 58 3                           |      | 17 9                                       |      |
| 3512 Fertilizers and pesticides                  |      | 422 3                   | 521 7    | 628 1    |      |      | 143 6                        | 228 9   | 155 0   |      | 24 7                           |      | 31 2                                       |      |
| 3513 Synthetic resins and plastic materials      |      | h/                      | h/       | h/       |      |      | h/                           | h/      | h/      |      |                                |      |  |      |
| 352 Other chemicals                              |      | 510 7                   | 655 3    | 810 4    |      |      | 259 0                        | 310 6   | 429 9   |      | 63 0                           |      | 23 7                                       |      |
| 3521 Paints, varnishes and lacquers              |      | 83 9                    | 108 3    | 148 2    |      |      | 55 4                         | 50 9    | 70 4    |      | 48 2                           |      | 16 4                                       |      |
| 3522 Drugs and medicines                         |      | 352 7i/                 | 453 5i/  | 559 5i/  |      |      | 189 6i/                      | 212 1i/ | 296 1i/ |      | 52 9                           |      | 23 6                                       |      |
| 3523 Soap, cleaning preps, perfumes, cosmetics   |      | i/                      | i/       | i/       |      |      | i/                           | i/      | i/      |      |                                |      |  |      |
| 3529 Other chemical products                     |      | 74 0                    | 93 5     | 104 7    |      |      | 34 1                         | 47 7    | 63 3    |      | 60 5                           |      | 32 5                                       |      |
| 353 Petroleum refineries                         |      |                         | g/h/     | g/h/     |      |      | g/h/                         | g/h/    | g/h/    |      |                                |      |  |      |

|   | g/h/    | g/h/    | g/h/    | g/h/ | g/h/   | g/h/   | g/h/   |      |      |
|---|---------|---------|---------|------|--------|--------|--------|------|------|
| 354 Misc. petroleum and coal products           |         |         |         |      |        |        |        |      |      |
| 355 Rubber products                             | 262 9   | 234 0   | 182 9   |      | 101 2  | 89 7   | 80 0   | 43 8 | 29 0 |
| 3551 Tyres and tubes                            |         |         |         |      |        |        |        |      |      |
| 3559 Other rubber products                      |         |         |         |      |        |        |        |      |      |
| 356 Plastic products                            | 281 9   | 208 0   | 417 0   |      | 148 5  | 116 1  | 182 1  | 43 7 | 36 1 |
| 361 Pottery, china, earthenware                 | 11 0    | 10 0    | 16 0    |      | 6 6    | 6 3    | 11 2   | 70 0 | 42 0 |
| 362 Glass and products                          | 38 7    | 45 0    | 69 0    |      | 20 5   | 27 3   | 37 8   | 64 8 | 39 2 |
| 369 Other non-metallic mineral products         | 240 0   | 261 0   | 390 0   |      | 137 4  | 133 1  | 238 6  | 61 2 | 29 0 |
| 3691 Structural clay products                   |         |         |         |      |        |        |        |      |      |
| 3692 Cement, lime and plaster                   |         |         |         |      |        |        |        |      |      |
| 3699 Other non-metallic mineral products        |         |         |         |      |        |        |        |      |      |
| 371 Iron and steel                              | 1319 0  | 993 0   | 1370 0  |      | 888 0  | 460 9  | 692 8  | 60 6 | 41 3 |
| 372 Non-ferrous metals                          | 67 2    | 89 0    | 128 0   |      | 26 5   | 31 2   | 47 8   | 37 3 | 41 8 |
| 381 Fabricated metal products                   | 597 9   | 713 0   | 955 0   |      | 266 4  | 331 6  | 499 8  | 62 3 | 30 6 |
| 3811 Cutlery, hand tools and general hardware   |         |         |         |      |        |        |        |      |      |
| 3812 Furniture and fixtures primarily of metal  |         |         |         |      |        |        |        |      |      |
| 3813 Structural metal products                  |         |         |         |      |        |        |        |      |      |
| 3819 Other fabricated metal products            |         |         |         |      |        |        |        |      |      |
| 382 Non-electrical machinery                    | 105 2   | 193 0   | 201 0   |      | 49 5   | 106 7  | 88 3   | 43 9 | 36 6 |
| 3821 Engines and turbines                       |         |         |         |      |        |        |        |      |      |
| 3822 Agricultural machinery and equipment       |         |         |         |      |        |        |        |      |      |
| 3823 Metal and wood working machinery           |         |         |         |      |        |        |        |      |      |
| 3824 Other special industrial machinery         |         |         |         |      |        |        |        |      |      |
| 3825 Office, computing and accounting machinery |         |         |         |      |        |        |        |      |      |
| 3829 Other non-electrical machinery & equipment |         |         |         |      |        |        |        |      |      |
| 383 Electrical machinery                        | 281 3   | 359 0   | 485 0   |      | 167 5  | 214 6  | 300 2  | 61 9 | 30 3 |
| 3831 Electrical industrial machinery            |         |         |         |      |        |        |        |      |      |
| 3832 Radio, television and communication equipm | 37 4    | 46 0    | 65 0    |      | 21 0   | 24 0   | 36 7   | 56 6 | 36 2 |
| 3833 Electrical appliances and housewares       |         |         |         |      |        |        |        |      |      |
| 3839 Other electrical apparatus and supplies    | 243 9   | 323 0   | 420 0   |      | 146 6  | 190 6  | 263 6  | 62 7 | 29 6 |
| 384 Transport equipment                         | 537 7   | 549 7   | 1013 8  |      | 191 8  | 197 4  | 472 6  | 46 6 | 26 4 |
| 3841 Shipbuilding and repairing                 |         |         |         |      |        |        |        |      |      |
| 3842 Railroad equipment                         | 130 9j/ | 115 0j/ | 129 6j/ |      | 34 2j/ | 31 3j/ | 31 4j/ | 24 2 | 70 8 |
| 3843 Motor vehicles                             | 406 7   | 434 8   | 884 2   |      | 167 6  | 166 1  | 441 1  | 49 9 | 22 2 |
| 3844 Motorcycles and bicycles                   | j/      | j/      | j/      |      | j/     | j/     | j/     |      |      |
| 3845 Aircraft                                   | j/      | j/      | j/      |      | j/     | j/     | j/     |      |      |
| 3849 Other transport equipment                  | j/      | j/      | j/      |      | j/     | j/     | j/     |      |      |
| 385 Professional and scientific equipment       | 9 2     | 10 0    | 11 0    |      | 5 1    | 6 0    | 6 3    | 48 2 | 73 6 |
| 3851 Prof. and scientific equipment n e c       |         |         |         |      |        |        |        |      |      |
| 3852 Photographic and optical goods             |         |         |         |      |        |        |        |      |      |
| 3853 Watches and clocks                         |         |         |         |      |        |        |        |      |      |
| 390 Other manufacturing industries              | 51 0    | 62 0    | 73 0    |      | 26 6   | 31 1   | 38 3   | 52 5 | 36 6 |
| 3901 Jewellery and related articles             |         |         |         |      |        |        |        |      |      |
| 3902 Musical instruments                        |         |         |         |      |        |        |        |      |      |
| 3903 Sporting and athletic goods                |         |         |         |      |        |        |        |      |      |
| 3909 Manufacturing industries, n e c            |         |         |         |      |        |        |        |      |      |
| 3 Total manufacturing                           | 10283 6 | 11625 0 | 16124 5 |      | 6082 8 | 6464 7 | 7878 0 | 48 9 | 29 1 |

a/ 3112 includes 3114, 3115, 3118 and 3121  
c/ 3131 includes 3132 and 3133  
e/ 3213 includes 3215  
g/ 351 includes 353 and 354  
i/ 3522 includes 3523

b/ 3116 includes 3122  
d/ 3211 includes 3214  
f/ 3411 includes 3419  
h/ 3611 includes 3613, 3615 and 3614  
j/ 3842 includes 3844, 3845 and 3849

## Zimbabwe

| ISIC Industry                             | Note | Gross fixed capital formation |         |         |         | Note | Index numbers of industrial production |      |      |      |      |      |      |      |      |
|---|------|-------------------------------|---------|---------|---------|------|--|------|------|------|------|------|------|------|------|
|   |      | (million DOLLARS)             |         |         |         |      | (1980=100)                             |      |      |      |      |      |      |      |      |
|   |      | 1985                          | 1989    | 1990    | 1991    |      | 1984                                   | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
| 311/2 Food Products                       |      |                               | 91.9    | 89.2    | 579.3   |      | 120                                    | 114  | 126  | 131  | 130  | 132  | 144  | 147  | 150  |
| 313 Beverages                             |      |                               | 39.7    | 132.4   | 148.0   | a/   | 87                                     | 96   | 96   | 108  | 117  | 114  | 130  | 134  | 134  |
| 314 Tobacco                               |      |                               | 32.9    | 21.5    | 62.0    | a/   |  |      |      |      |      |      |      |      |      |
| 321 Textiles                              |      |                               | 108.0   | 209.2   | 368.7   |      | 124                                    | 176  | 190  | 196  | 203  | 208  | 217  | 226  | 177  |
| 322 Wearing apparel, except footwear      |      |                               | 12.8    | 21.9    | 37.8    | b/   | 98                                     | 112  | 107  | 120  | 120  | 138  | 145  | 149  | 126  |
| 323 Leather and fur products              |      | c/                            |         | c/      | c/      |      |  |      |      |      |      |      |      |      |      |
| 324 Footwear, except rubber or plastic    |      |                               | 8.1     | 8.8     | 17.8    | b/   |  |      |      |      |      |      |      |      |      |
| 331 Wood products, except furniture       |      |                               | 5.3     | 15.6    | 41.5    | d/   | 82                                     | 82   | 87   | 81   | 95   | 85   | 90   | 101  | 106  |
| 332 Furniture and fixtures, excl. metal   |      |                               | 4.2     | 10.5    | 18.5    | d/   |  |      |      |      |      |      |      |      |      |
| 341 Paper and products                    |      |                               | 11.9    | 50.3    | 210.4   | e/   | 102                                    | 112  | 113  | 119  | 121  | 132  | 137  | 144  | 143  |
| 342 Printing and publishing               |      |                               | 31.9    | 50.7    | 52.6    | e/   |  |      |      |      |      |      |      |      |      |
| 351 Industrial chemicals                  |      |                               | 53.5f/  | 18.8f/  | 21.8f/  | g/   | 113                                    | 122  | 122  | 119  | 131  | 146  | 159  | 159  | 138  |
| 352 Other chemicals                       |      |                               | 18.4    | 30.1    | 82.4    | g/   |  |      |      |      |      |      |      |      |      |
| 353 Petroleum refineries                  |      |                               | f/      | f/      | f/      | g/   |  |      |      |      |      |      |      |      |      |
| 354 Misc. petroleum and coal products     |      |                               | f/      | f/      | f/      |      |  |      |      |      |      |      |      |      |      |
| 355 Rubber products                       |      |                               | 10.8    | 12.5    | 9.5     |      |  |      |      |      |      |      |      |      |      |
| 356 Plastic products                      |      |                               | 29.8    | 40.5    | 58.4    |      |  |      |      |      |      |      |      |      |      |
| 361 Pottery, china, earthenware           |      |                               | 19.3h/  | 49.9h/  | 39.4h/  | h/   | 98                                     | 105  | 126  | 141  | 141  | 152  | 161  | 171  | 168  |
| 362 Glass and products                    |      |                               | h/      | h/      | h/      | h/   |  |      |      |      |      |      |      |      |      |
| 369 Other non-metallic mineral products   |      |                               | h/      | h/      | h/      | h/   |  |      |      |      |      |      |      |      |      |
| 371 Iron and steel                        |      |                               | 220.2i/ | 50.8i/  | 155.0i/ | j/   | 89                                     | 101  | 98   | 95   | 100  | 106  | 111  | 114  | 101  |
| 372 Non-ferrous metals                    |      |                               | i/      | i/      | i/      | j/   |  |      |      |      |      |      |      |      |      |
| 381 Fabricated metal products             |      |                               | 51.7k/  | 67.8k/  | 101.5k/ | j/   |  |      |      |      |      |      |      |      |      |
| 382 Non-electrical machinery              |      |                               | k/      | k/      | k/      | j/   |  |      |      |      |      |      |      |      |      |
| 383 Electrical machinery                  |      |                               | 83.4    | 33.0    | 74.7    | j/   |  |      |      |      |      |      |      |      |      |
| 384 Transport equipment                   |      |                               | 21.6    | 39.7    | 46.6    |      | 117                                    | 97   | 99   | 84   | 104  | 147  | 147  | 143  | 141  |
| 385 Professional and scientific equipment |      |                               | 8.3c/   | 112.0c/ | 13.5c/  |      |  |      |      |      |      |      |      |      |      |
| 390 Other manufacturing industries        |      |                               | c/      | c/      | c/      |      | 50                                     | 64   | 63   | 60   | 74   | 83   | 49   | 48   | 37   |
| 3 Total manufacturing                     |      |                               | 863.7   | 1065.1  | 2139.4  |      | 101                                    | 112  | 116  | 118  | 123  | 130  | 138  | 142  | 130  |

a/ 313 includes 314  
c/ 385 includes 390 and 323  
e/ 341 includes 342  
g/ 351 includes 352 and 353  
i/ 371 includes 372  
k/ 381 includes 382

b/ 322 includes 324  
d/ 331 includes 332  
f/ 351 includes 353 and 354  
h/ 361 includes 362 and 369  
j/ 371 includes 372, 381, 382 and 383