



**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)



## **United Nations Industrial Development Organisation**

**SAUDI ARABIA INTEGRATED PROGRAMME: Strategies to Enhance Industrial  
Competitiveness and Diversification Project (SF/SAU/04/001)**

**Industrial Statistics Component: Strengthening of the Industrial Statistics System**

### **Industrial Survey, 2002**

**(Large licensed manufacturing establishments)=**

#### **Statistical Report**

Prepared by

Dhananjay Juleemun – Industrial Statistician

*in collaboration with*

Huzaifa Zoomkawalla – Systems Analyst

under supervision of

Shyam Upadhyaya – Backstopping Officer

for

**Ministry of Commerce and Industry  
Kingdom of Saudi Arabia**

Riyadh, June 2005

---

**This report was issued without formal editing**

# Table of Contents

	Page
<b>1. Introduction</b>	5
<b>2. Methodology</b>	5
2.1 Objective of the survey	5
2.2 Scope and coverage of the survey	5
2.3 The questionnaire	5
2.4 Data collection and processing	6
2.5 Treatment for non-response	6
2.6 Limitations of the statistics presented	6
<b>3. Concepts and definitions</b>	7
<b>4. Organisation of the report</b>	8
<b>5. Major findings of the survey</b>	8
5.1 The register of establishments, 2002	8
5.2 The 2002 Industrial Survey	8
5.2.1 Introduction	9
5.2.2 Number of establishments	9
5.2.3 Employment and compensation of employees	9
5.2.4 Output	10
5.2.5 Value of fixed assets	11
5.2.6 Operation ratios	12
5.2.7 Comparison with official National Accounts data of the CDS	12
<b>6. Statistical tables, Manufacturing Sector</b>	14
<b><i>Part I: Register of establishments, 2004</i></b>	14
Table 1.1.1: Distribution of establishments by industrial activity and geographical region	15
Table 1.1.2: Finance by industrial activity and geographical region	16
Table 1.1.3: Manpower by industrial activity and geographical region	17
Table 1.1.4: Number of establishments by industrial activity and ownership	18
Table 1.1.5: Distribution of establishments by industrial activity and employment size	19
Table 1.1.6: No. of establishments by region and size	20
Table 1.1.7: Number of establishments by industrial activity and type of legal organisation	21
Table 1.1.8: Manpower by industrial activity and size	22
Table 1.1.9: Manpower by region and size	23
Table 1.2.1: Distribution of establishments with foreign capital by activity and region	24
Table 1.2.2: Finance of establishments with foreign capital by activity and region	25
Table 1.2.3: Manpower in establishments with foreign capital by activity and region	26
Table 1.2.4: No. of establishments with foreign capital by activity and employment size	27
Table 1.2.5: No. of establishments with foreign capital by region and size	28
Table 1.2.6: No. of establishments with foreign capital by activity and type of legal org.	29
<b><i>Part II: Industrial (Manufacturing) Survey, 2002</i></b>	30
<b><i>Year 2002</i></b>	
Table 2.1.1: The Manufacturing Sector including other than large establishments, 2002	31
Table 2.1.2: The Manufacturing Sector, 2001 – 2002	32

Table 2.1.3: Principal indicators of the Manufacturing Sector, 2002	33
Table 2.1.4: Operation ratios of the Manufacturing Sector, 2002	34
Table 2.1.5: Number of employees by activity, employment status and nationality, 2002	35
Table 2.1.6: Production account by industrial activity, 2002	36
Table 2.1.7: Components of gross output by industrial activity, 2002	37
Table 2.1.8: Sales by product and origin, 2002	38
Table 2.1.9: Detailed intermediate consumption by industrial activity, 2002	39
Table 2.1.10: Electricity, water and fuels consumed by industrial activity, 2002	40
Table 2.1.11: Raw materials used by activity, type and origin, 2002	41
Table 2.1.12: Raw materials used by product and origin, 2002	42
Table 2.1.13: Wages and salaries by activity, employment status and nationality, 2002	43
Table 2.1.14: Value of fixed assets at end of 2002 by industrial activity	44
Table 2.1.15: Change in stock by industrial activity, 2002	45
<b>Year 2001</b>	
Table 2.2.1: Principal indicators of the Manufacturing Sector, 2001	46
Table 2.2.2: Operation ratios of the Manufacturing Sector, 2001	47
Table 2.2.3: Production account by industrial activity, 2001	48
Table 2.2.4: Components of gross output by industrial activity, 2001	49
Table 2.2.5: Detailed intermediate consumption by industrial activity, 2001	50
Table 2.2.6: Electricity, water and fuels consumed by industrial activity, 2001	51
Table 2.2.7: Value of fixed assets at end of 2001 by industrial activity	52
Table 2.2.8: Change in stock by industrial activity, 2001	53
Table 2.2.9: Raw materials used by activity, type and origin, 2001	54

\*\*\*\*\*

## **1. Introduction**

The 2002 Industrial Survey was undertaken by the Consulting Centre for Finance and Investment (CCFI, a private consulting firm) for the Saudi Industrial Development Fund (SIDF) and the Ministry of Commerce and Industry (MCI). The survey was based on a questionnaire which used the financial accounting approach for the collection of quantitative data. The CCFI submitted a draft report based on the same approach and no estimates have been made for non-response. For analysis of the industrial sector according to international recommendations, the questionnaire lacked details as regards inputs and outputs. However, broad estimates of the major industrial indicators can be extracted from the data collected. This exercise was carried under the Industrial Statistics Component of the Saudi Arabia Integrated Programme. The present report gives the major SNA-based (System of National Accounts) indicators derived from the survey data for 2001 and 2002 and includes estimates for non-response. It also contains tables generated from the register of establishments kept by the MCI and referring to data as at the end of December 2004.

## **2. Methodology**

### **2.1 Objective of the survey**

According to the draft report submitted by CCFI, the 2002 Industrial Survey was aimed at collecting basic information on the Manufacturing Sector of the Kingdom of Saudi Arabia to meet the needs of the Saudi Industrial Development Fund and the Ministry of Commerce and Industry. Fieldwork was carried out between September 2003 and August 2004 and the reference period was 2002. However, aggregated data were also collected for 2000 and 2001.

### **2.2 Scope and coverage of the survey**

The survey covered all manufacturing establishments with a capital of more than 1 million riyals licensed with the Ministry of Commerce and Industry and operating in the Kingdom of Saudi Arabia. The initial frame consisted of 3,602 establishments as per list submitted by the Ministry of Commerce and Industry.

Manufacturing, according to international recommendations, is defined as the physical or chemical transformation of materials or components into new products, whether the work is performed by power-driven machines or by hand, whether it is done in a factory or in the worker's home, and whether the products are sold at wholesale or retail. Assembly of the component parts of manufactured products is considered manufacturing, except in cases where the activity is appropriately classified in Construction. Also included is the recycling of waste materials.

### **2.3 The questionnaire**

The questionnaire used was a comprehensive one covering a wide range of issues on factory particulars, balance sheet, profit and loss account, raw materials used, production, sales, exports, employment as well as other qualitative data. As mentioned before, data sought related to the accounting approach and the questionnaire lacked details for the proper compilation of industrial statistics

according to international recommendations. However, broad estimates of the major indicators of industrial statistics have been derived from the available data

## **2.4 Data collection and processing**

Data collection was undertaken by a trained team of enumerators and supervisors recruited by the CCFI. The field staff dropped the questionnaire in the business offices of the establishments, gave information and guidance on the filling in of the questionnaire. Very few questionnaires were sent by mail. Detailed data were collected from September 2003 to August 2004 and refer to 2002. However, aggregated data were also collected for 2001 and 2000. Respondents were asked to provide the data from their accounting records.

Completed questionnaires were edited and coded by CCFI staff and entered into the MS-SQL Server of the Centre using a data entry program in Visual Basic. Entered data were checked for accuracy and consistency. The draft report prepared by the CCFI was based on the tables generated from this database.

The present report is based on the same database received from the CCFI. The database was transferred to Microsoft Office Access and new tables generated with the support of the System Analyst.

## **2.5 Treatment for non-response**

The response rate with respect to the number of establishments was 72%. In terms of employment, the responses received covered 71%. As mentioned previously, no estimates were made for non-response in the draft report submitted by the CCFI.

The present report includes estimation for non-responding establishments as well. This estimation is based on the average figure for reporting establishments in their respective ISIC branch, where feasible at the 3-digit level, otherwise at the 2-digit level. The main parameter used was employment. However, given the low response received from establishments in the “petroleum refinery” sector, the estimates for this sector were worked out from data obtained from the Central Department of Statistics

## **2.6 Limitations of the statistics presented**

The survey results presented in this report comprise a comprehensive set of basic statistics for the manufacturing sector, and, it is hoped that it would prove useful to the Ministry and other users.

However, users are reminded of the following limitations:

- (i) As has been mentioned previously, the questionnaire used had an accounting approach to data collection and is not considered as sufficiently appropriate for compilation of industrial statistics according to international recommendations. The present report only gives an approximation of the major indicators of industrial statistics based on broad estimates derived from the available survey data. However, in the absence of basic data by detailed sub-industry group, it is considered that the statistics presented in this report do give an indication of the level and structure of the manufacturing sector.

- (ii) The report has been prepared based on the data submitted by the CCFI and the data are considered to be clean. Wherever possible, some further editing was done.

The above limitations, however, have no serious effect on the overall quality and reliability of the major indicators at broad ISIC level. Statistics presented in this report reflect the current status and structure of the Manufacturing Sector of the Kingdom of Saudi Arabia by sub-industry group. The Government, business community and other users can make good use of these results, which constitute the only available set of information of this kind. When making use of the survey results in certain statistical/economic analysis, users should, however, keep in mind the above limitations.

### 3. Concepts and Definitions

- i) **Gross Output:** Gross output of industries covers the value in the market of goods and services produced including work in progress and products for own use. Value of goods sold is adjusted by the change in stocks of finished goods and work in progress.
- ii) **Intermediate Consumption:** Intermediate consumption of industries covers non-durable goods and services used up in production, including repairs and maintenance of the capital stock, research and direct outlays on financing of capital formation such as transfer costs involved in purchases of land and intangible assets. The consumption of materials and supplies is the total cost of purchases adjusted for change in stocks of raw materials.
- iii) **Value of stocks:** This item comprise the value of all materials and supplies, fuels, finished and semi-finished products and goods for resale, held by, or under the control of, the establishment (at the establishment itself or in ancillary or other warehouses).
- iv) **Value Added:** The value added is equal to gross output less the value of the intermediate consumption. The sum of the value added of all domestic producers gives the Gross Domestic Product (**G.D.P**). Value added may be at factor cost, basic prices or at producers' prices depending on the treatment of taxes on production and subsidies
- v) **Compensation of Employees:** Compensation of employees comprises all payments by producers of wages and salaries to their employees, in kind as well as in cash and of contributions to social security and to private pension, casualty insurance and similar schemes.

Wages and salaries in cash include all payments which employees receive in respect of their work before deductions of employees' contributions to social security schemes. They include commissions, overtime payments, bonuses, cost of living allowance, housing allowance, etc. Wages and salaries in kind are goods and services provided to employees free of charge or at a markedly reduced cost which are clearly of direct benefit to the employees as consumers.



- vi) **Gross Operating Surplus:** Gross operating surplus is defined as the excess of value added over the cost of employees' compensation.

**Note:** In the absence of detailed data from the survey, approximations of the above indicators have been worked out from the available data.

## 4. Organisation of the report

Tables in the report are presented in two parts. The first part relates to tables on licensed establishments from the register kept by the Ministry of Commerce and Industry. It is to be noted that these establishments are those with a capital exceeding SR 1 million and are considered as "large". The classification of the activities of these establishments was previously based on ISIC Revision 2. Within the UNIDO programme this classification has been converted to ISIC Revision 3. The first part presents tables relating to register data and includes all the tables that are disseminated through the annual *Bulletin of Industrial Statistics* published by the Ministry of Commerce and Industry. However, the tables refer to year 2004 and the activity classification used is the updated one (ISIC Revision 3).

The second part relates to the survey conducted during 2003 and 2004. The first set of tables is for 2002 and the second set relates to year 2001.

## 5. Major findings

### 5.1 The Register of establishments, 2004

The total number of large licensed manufacturing establishments with capital of over SR 1 million was 3,707 as at end 2004. Those with a workforce of 100 or more numbered 807 of which 105 exceeded 499 employees (Table 1.1.5). Activities in which most of the establishments were engaged in include manufacture of food and beverages; paper including printing and publishing; chemicals; plastics; non-metallic mineral products; metals and metallic products; machinery and furniture. The majority (85%) of the establishments were located in Riyadh, Makkah Al Mukarramah and the Eastern province. Of the 3,707 establishments in 2004, 503 were either jointly or wholly owned by foreign investors.

Employment in 2004 stood at 355,385 with nearly 90% or 317,868 employed in Riyadh, Makkah Al Mukarramah and the Eastern province. Establishments in the "Manufacture of food, food products and beverages" employed a total of 55,667 workers followed by "Manufacture of metals and metal products" (53,470), "Manufacture of non-metallic mineral products" (45,539), "Manufacture of chemicals and chemical products" (38,328), "Manufacture of rubber and plastics" (34,322) and "Manufacture of machinery" (31,083).

An analysis of employment by size of establishment shows that the 807 establishments with 100 or more employees employed 237,732 employees, i.e. over 65% of the total.

The 503 establishments with foreign capital employed 75,205 employees in 2004, the majority in Riyadh, Makkah Al Mukarramah and the Eastern province. 187 of the establishments had a workforce of 100 or more employees. The capital financed by

the 503 establishments amounted to nearly SR 137,700 billion over a total of SR 265,800 billion for all the 3,707 large manufacturing establishments.

## **5.2 The Industrial Survey, 2002**

### *5.2.1 Introduction*

The survey provides benchmark data on the structure of the Manufacturing Sector. Given that some data were also collected for 2001, the results also give an indication that has occurred in the sector from 2001 and 2002. Taking into consideration the reliability and precision of the data and to ensure confidentiality of information at individual establishment level, data have been classified in 30 main industrial groups at 3-digit level wherever possible of ISIC Revision 3.

The Manufacturing Sector in the Kingdom of Saudi Arabia is relatively small and, according to national accounts estimates compiled by the Central Department of Statistics represents around 10% of GDP. Within manufacturing, activities are predominated by those related to petrol refinery and the production of chemical products.

### *5.2.2 Number of establishments*

The number of large manufacturing establishments operating in the Kingdom of Saudi Arabia in 2002 stood at 3,618 compared to 3,531 in 2001. The majority of the establishments (over 80%) were concentrated in Riyadh, Makkah Al Mukarramah and the Eastern province.

Out of the 3,618 establishments in 2002, 517 were in the "Manufacture of non-metallic mineral products, n.e.c". The other important industry groups (at 3-digit ISIC level) in terms of number of establishments were "Manufacture of plastic products" (379), "Manufacture of pesticides and similar products" (287), "Manufacture of other fabricated metal products, etc." (254), "Manufacture of structural metal products" (229), "Manufacture of other food products, n.e.c" (219) and "Manufacture of furniture" (201). Table 2.1.2 gives more details on the number of establishments by sub-industry group in 2001 and 2002.

### *5.2.3 Employment and Compensation of employee (salaries and wages)*

The total number of employees in the large Manufacturing Sector in 2002 was 352,711 compared to 342,902 in 2001, an increase of 9,809 (+2.9%). "Manufacture of non-metallic mineral products" is the industry group that employs the highest number of employees. In 2002, establishments within this group employed 41,011 workers compared to 39,837 in 2001. The other groups (mostly 3-digit ISIC level) with significant workforce in 2002 are: "Manufacture of plastics products" (29,380), "Manufacture of structural metal products" (23,435) and "Manufacture of other fabricated metal products" (21,137). The petroleum refinery group was operating with a workforce of 8,802 employees in 2002. Details of employment by detailed industry group are shown in Table 2.1.2.

Establishments in the most industrial areas (Riyadh, Makkah Al Mukarramah and the Eastern province) employed nearly 90% of the total number of employees in the large manufacturing sector.

An analysis of employment by origin shows that 76% of the total number of employees is Non-Saudis. They numbered 268,550 whilst the Saudis numbered 84,161. 77% of latter were engaged in administrative, professional and technical jobs compared to 72% for the Non-Saudis.

In 2002 the large manufacturing establishments paid a total of SR 15,279 million compared to SR 14,737 million in 2001 representing an increase of 3.7%. The average compensation per employee works out to SR 3,608 per month from SR 3,583 in 2001. Nationality-wise the average compensation per month per employee in 2002 is SR 7,414 for the Saudis compared to SR 2,564 for the Non-Saudis.

By far the highest compensations were paid by the petroleum refinery sector (SR 172,400 in 2002) and by "Manufacture of basic chemicals" (SR 157,900 in 2002). On a monthly basis these are equivalent to SR 14,400 and SR 13,200 respectively. The lowest salaries were paid by "Manufacture of transport equipment" with an average of only SR 9,400 per employee for the whole of 2002.

#### *5.2.4 Output*

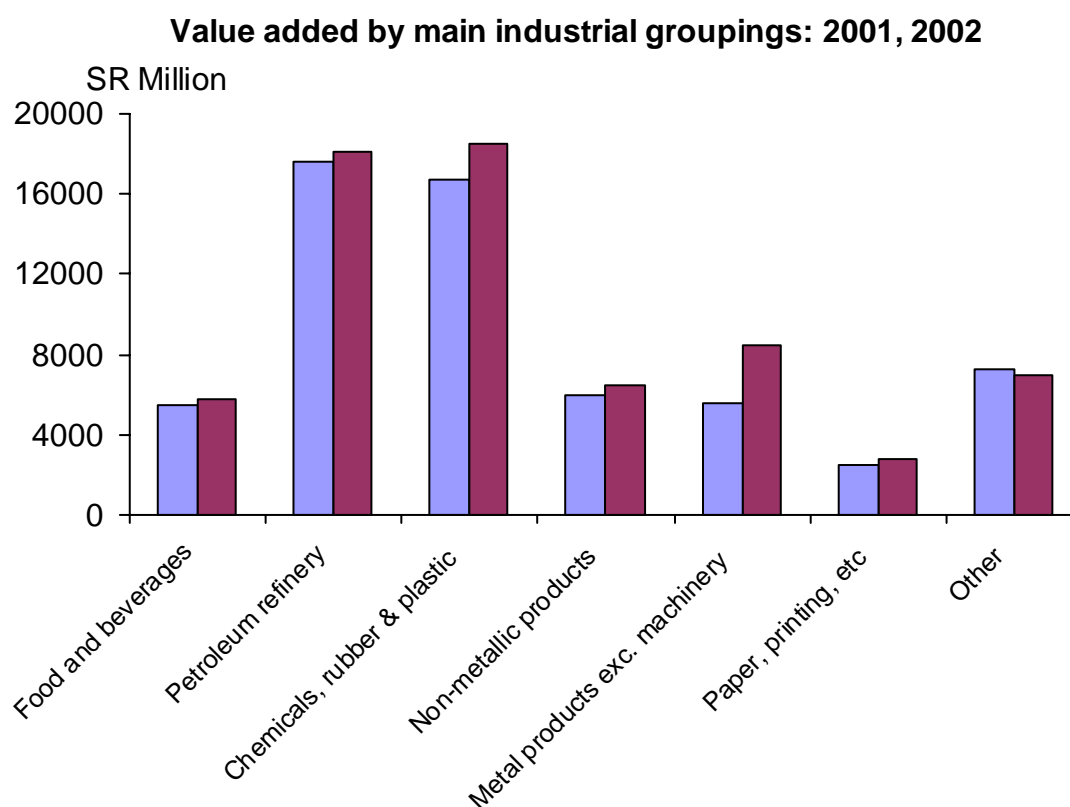
The gross output or total value of goods and services produced by the manufacturing establishments amounted to SR 255,561.7 million in 2002. Sales of goods amounted to SR 251,232.7 million of which 30% or SR 76,161.4 million was from exports. Exports of refined petroleum products represent SR 46,009 million or 60% of the total manufacturing exports in 2002 followed by exports of basic chemicals with SR 17,496 million (23%).

Total cost of production, i.e. intermediate consumption amounted to SR 188,663 million of which SR 154,765 million represents the cost of raw materials used. Around 20% or SR 31,125 million worth of raw materials used by the large manufacturing establishments is imported. Marketing expenses amounted to SR 16,436 million whilst the consumption of electricity, water and fuels stood at SR 5,924.9 million. A breakdown of intermediate consumption by industrial activity is given in Table 2.1.9 for 2002 and Table 2.2.5 for 2001.

After deduction of intermediate consumption from gross output, value added which measures the contribution of the manufacturing sector to GDP, works out to SR 66,899 million in 2002 compared to SR 61,098 million in 2001 showing a nominal increase of 9.5%. Out of the value added generated by large manufacturing enterprises in 2002, SR 621 million was paid to the government as taxes on production (licenses and technical assistance fees) and SR 15,279 million to employees as salaries and wages (compensation of employees). The remainder represents gross operating surplus (or gross profits) and amounted to SR 50,998 million. This value is the gross amount that went to employers as remuneration for their capital.

An analysis of value added by industry group shows that nearly 50% of total value added generated by large enterprises in 2002 came from the following two industry groups: "Manufacture of refined petroleum products" (SR 18,121 million) and "Manufacture of chemicals and chemical products" (14,206 million). The "Food and beverages" group generated, in total, an amount of nearly SR 5,751 million as value added. Other important groups are "Manufacture of non-metallic mineral products" (SR 5,538 million), "Manufacture of basic metals" (SR 4,859 million), "Manufacture of electrical machinery and apparatus" which together with "Manufacture of machinery and equipment" accounted for SR 3,432.6 million of value added."

The graph below shows value added by main industry groupings in 2001 and 2002.



On the basis of a broad classification of low, medium and high technology, the structure of the large manufacturing sector in the Kingdom of Saudi Arabia is as follows:

	<u>% Value added</u>	<u>% Employment</u>
Low-technology (ISIC codes 15 to 22, 36)	16	34
Medium-technology (ISIC codes 23, 25 to 28)	53	31
High-technology (ISIC codes 24, 29 to 35)	31	23

The share of value added in low-technology industries is the lowest due mainly to the fact that the agricultural sector is not an important one in the Kingdom of Saudi Arabia. Consequently, these low technology industries, which are predominantly agro-based, cannot rely on local agricultural production as sources of inputs. The share of medium-technology industries (53%) is the highest due to the importance of the petroleum refinery and chemical sectors whilst that of high-technology industries lies mid-way.

On the other hand, the share of employment in these industries is the exact opposite of the share of value added and conveys the fact that higher technology implies lower intensity of labour and vice versa.

#### 5.2.5 Value of fixed assets

The total value of fixed assets at the end of 2002 was SR 156,278 million compared to SR 163,974.6 million at the end of 2001. The values take account of depreciation during the year. Plant and equipment had the highest share in both years with around

65% of the total. The value of fixed assets by type and industrial activity is given in Table 2.1.14 for year 2002 and Table 2.2.7 for 2001.

### 5.2.6 Operation ratios

Value added to gross output ratio works out to 26.2% for the large manufacturing sector, an improvement compared to 24.9% in 2001. This ratio ranges from 16.9% for the petroleum refinery sector to 65.8% for "Manufacture of electronic valves, etc." The low ratio for the whole manufacturing sector is explained by the effect of the petroleum refinery sector which generated only 16.9% of its gross output as value added but accounted for around 27% of total value added in 2002. Excluding "petroleum refinery" the ratio works out to 32.9% .

Average gross output per establishment was around SR 71 million in 2002. This figure is affected by the petroleum refinery sector where the gross output per establishment is as high as SR 3,356 million. Excluding the latter, the figure works out to SR 41 million (Table 2.1.4).

Compensation of employees represented 22.8% of value added in 2002, down from 24.1% in 2001

Tables 2.1.4 and 2.2.2 give the most important ratios of the Manufacturing Sector.

### 5.2.7 Comparison with the official National accounts figures of the CDS

Preliminary figures released by the Central Department of Statistics indicate that the total value added generated in 2002 by the Manufacturing Sector stood at SR 72,975 million of which SR 20,434 million from petroleum refining. The national accounts figures include the small establishment as well. No further breakdown is available. The latest year for which figures by detailed industry group are available is 1996.

Estimate of manufacturing value added from the Industrial survey, on the other hand, works out to SR 66,898.8 million for 2002. However, this figure excludes small establishments with capital below SR 1 million. The table below compares the 2002 figures obtained from the industrial survey with available national accounts aggregates from the CDS:

	Value added, current prices	Compensation of employees
<b>A. CDS preliminary estimates, 2002</b>		
<b>A.1 Total Manufacturing including small</b>	<b><u>72,975</u></b>	<b><u>20,123</u></b>
Petroleum refinery	20,434	2,258
Other	52,541	17,865
<b>B. Industrial Survey, 2002</b>		
<b>B.1 Manufacturing, large</b>	<b>66,899</b>	<b>15,279</b>
Petroleum refinery	18,121	1,518
Other	48,778	13,761
<b>C. Difference (A.1 – B.1)</b>	<b>6,076</b>	<b>4,844</b>

Value added estimates compare well with CDS estimates. However, the same cannot be said for compensation of employees. The difference between the two estimates normally represents the contribution of the small manufacturing establishments. Whilst the value added figure seems reasonable, that of compensation of employees is on the high side. One possible reason is that CDS figures of compensation of employees might have been overestimated. It is to be noted that CDS figures are still provisional.

\*\*\*\*\*

# **STATISTICAL TABLES**

## **(Manufacturing Sector)**

### **PART I**

**Register of establishments, 2004**

**Table 1.1.1: Distribution of establishments by activity and geographical region, 2004 - Manufacturing Sector\***

ISIC Rev 3	Description	Riyadh area	Gassim area	Makkah al-Mukarramah	AlMadina AlMunawara	Eastern province	Jazan area	Najran area	Aseer	Al-Baha area	Hail area	Tabouk area	Northern borders	Al-jouf	Kingdom of Saudi Arabia
		011	012	021	022	031	041	042	043	044	051	052	053	054	
151	Manufacture of basic food products	55	10	34	14	23	1	2	3		2	2		7	153
152	Manufacture of dairy products	23	4	17	5	12	1	1	2		1	3		3	72
153	Manufacture of grain mill products	22	6	8	2	8	1				1	2	1	1	52
154	Manufacture of other food products n.e.c.	52	10	92	13	44	4		4	2	2	2			225
155	Manufacture of beverages	24	8	17	6	19	1	1	3	2	2	1	1	1	86
17	Manufacture of textiles	28	1	32	3	12			1	1					78
18	Man. of wearing apparel, including fur	36		13	3	11									63
191	Tanning and dressing of leather	10	1	6	2	4									23
192	Manufacture of footwear	6		8		2	1								17
20	Man. of wood and w/products exc. furniture	10		16	3	21									50
21/22	Man. of paper, printing and publishing, etc.	92	6	67	1	50	1		2	3	3				225
232	Manufacture of refined petroleum products	4	1	14	7	6			1						33
241	Manufacture of basic chemicals	23	2	12	2	21						1			61
242	Man. of pesticides and similar products	101	10	77	12	81	1	1	6		2	2		1	294
251	Manufacture of other rubber products	9	2	5		15									31
252	Manufacture of plastics products	128	16	117	9	89	1	4	7	2	3	8	1	3	388
261	Manufacture of glass and glass products	22	2	30	1	26			2						83
269	Man. of non-metallic mineral products n.e.c.	177	21	91	31	114	22	10	39	4	6	7	4	4	530
27	Manufacture of basic metals	22		23	2	29									76
281	Manufacture of structural metal products	103	9	52	3	56	1	2	4		2	2			234
289	Man. of other fabricated metal products, etc.	98	8	68	6	67			10		3				260
29	Manufacture of machinery and equipment	68	9	39	4	28			1						149
31	Man. of electrical machinery and apparatus	46	1	28	1	20									96
321	Manufacture of electronic valves, etc.	9		8		8									25
33	Man. of watches and clocks, etc.	19	1	19	4	11			1						55
34/35	Manufacture of transport equipment	39	3	27	2	31							1		103
361	Manufacture of furniture	105	9	46	7	34	1		1		3				206
369	Other manufacturing n.e.c.	14		12	1	11			1						39
<b>D</b>	<b>Manufacturing</b>	<b>1,345</b>	<b>140</b>	<b>978</b>	<b>144</b>	<b>853</b>	<b>36</b>	<b>21</b>	<b>88</b>	<b>14</b>	<b>30</b>	<b>30</b>	<b>8</b>	<b>20</b>	<b>3,707</b>

\* Large licensed establishments with capital of more than SR 1 million



**Table 1.1.2: Finance by industrial activity (ISIC Rev. 3) and geographical region, 2004 - Manufacturing Sector\* Billion SR**

ISIC Rev 3	Description	Riyadh area	Gassim area	Makkah al-Mukarramah	AlMadina AlMunawara	Eastern province	Jazan area	Najran area	Aseer	Al-Baha area	Hail area	Tabouk area	Northern borders	Al-jouf	Kingdom of
		011	012	021	022	031	041	042	043	044	051	052	053	054	Saudi Arabia
151	Manufacture of basic food products	994.9	303.3	2,643.7	210.6	552.9	25.4	18.6	78.6		33.4	33.5		64.8	4,959.7
152	Manufacture of dairy products	2,579.7	39.7	398.8	80.7	935.9	10.1	41.6	33.2		6.3	34.3		48.9	4,209.2
153	Manufacture of grain mill products	646.2	307.5	281.2	16.2	437.6	13.1				15.5	35.6	6.0	13.6	1,772.6
154	Manufacture of other food products n.e.c.	1,641.7	71.3	2,893.3	100.2	689.1	24.5		28.8	14.2	16.2	14.7			5,494.0
155	Manufacture of beverages	1,359.6	523.9	1,030.2	135.1	866.6	44.0	32.6	164.7	4.6	23.5	3.5	9.1	58.6	4,256.1
17	Manufacture of textiles	1,326.7	15.0	1,433.3	129.9	192.8			6.7	22.9					3,127.2
18	Man. of wearing apparel, including fur	402.2		150.9	12.6	60.2									625.9
191	Tanning and dressing of leather	253.8	4.0	67.7	43.5	77.0									446.0
192	Manufacture of footwear	51.2		62.2	0.0	10.2	2.6								126.2
20	Man. of wood and w/products exc. furniture	121.0		227.7	29.4	449.6									827.7
21/22	Man. of paper, printing and publishing, etc.	2,485.5	77.5	3,192.5	8.1	1,723.7	4.7		259.0	7.1	10.5				7,768.5
232	Manufacture of refined petroleum products	923.0		9,418.9	13,903.6	7,272.1									31,517.6
241	Manufacture of basic chemicals	774.7	29.1	231.8	6,814.2	11,282.2						12.7			19,144.7
242	Man. of pesticides and similar products	2,010.2	256.7	2,258.1	21,439.3	78,660.4	9.8	11.7	104.1		7.3	178.7		5.8	104,942.0
251	Manufacture of other rubber products	61.4	3.3	25.9		816.3									906.9
252	Manufacture of plastics products	3,419.3	151.6	2,878.3	95.9	2,374.9	1.3	30.4	48.0	12.8	14.6	43.3	6.6	15.9	9,092.9
261	Manufacture of glass and glass products	516.9	22.2	1,276.2	30.0	1,253.0			6.5						3,104.8
269	Man. of non-metallic mineral products n.e.c.	5,537.9	1,351.4	5,452.2	3,590.5	7,299.9	1,393.8	35.6	1,007.3	13.1	24.7	982.6	9.0	12.7	26,710.6
27	Manufacture of basic metals	938.1		1,306.3	650.3	5,939.9									8,834.6
281	Manufacture of structural metal products	1,196.2	40.0	828.9	91.9	857.9	2.2	10.0	19.1		2.9	10.8			3,059.9
289	Man. of other fabricated metal products, etc.	2,383.6	53.6	2,141.7	67.4	3,149.4			60.2		22.2				7,878.1
29	Manufacture of machinery and equipment	1,389.8	187.1	885.0	14.8	1,025.1			2.2						3,504.1
31	Man. of electrical machinery and apparatus	3,510.5	4.7	2,177.6	13.9	755.5									6,462.2
321	Manufacture of electronic valves, etc.	1,011.9		119.8		161.6									1,293.4
33	Man. of watches and clocks, etc.	395.2	25.1	519.0	42.4	71.2									1,053.0
34/35	Manufacture of transport equipment	442.3	6.5	808.0	25.1	585.6							1.8		1,869.3
361	Manufacture of furniture	1,204.3	40.5	679.0	72.7	385.1	1.9		6.8		45.6				2,436.0
369	Other manufacturing n.e.c.	141.6		165.7	7.3	54.2			1.3						370.1
<b>D</b>	<b>Manufacturing</b>	<b>37,719.5</b>	<b>3,514.0</b>	<b>43,553.9</b>	<b>47,625.6</b>	<b>127,940.0</b>	<b>1,533.5</b>	<b>180.4</b>	<b>1,826.4</b>	<b>74.7</b>	<b>222.7</b>	<b>1,349.6</b>	<b>32.6</b>	<b>220.3</b>	<b>265,793.1</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 1.1.3: Manpower by industrial activity (ISIC Rev. 3) and geographical region, 2004 - Manufacturing Sector\***

ISIC Rev 3	Description	Riyadh area	Gassim area	Makkah al- Mukarramah	AIMadina AIMunawara	Eastern province	Jazan area	Najran area	Aseer	Al-Baha area	Hail area	Tabouk area	Northern borders	Al-jouf	Kingdom of
		011	012	021	022	031	041	042	043	044	051	052	053	054	Saudi Arabia
151	Manufacture of basic food products	2,771	754	4,500	467	1,568	79	65	205		70	48		286	10,813
152	Manufacture of dairy products	4,405	104	1,817	332	1,835	52	53	134		23	266		118	9,139
153	Manufacture of grain mill products	727	376	475	23	416	9				58	62	20	28	2,194
154	Manufacture of other food products n.e.c.	4,623	499	8,559	524	3,117	71		63	59	35	59			17,609
155	Manufacture of beverages	5,570	1,274	3,678	340	4,067	148	55	399	37	82	24	58	180	15,912
17	Manufacture of textiles	6,448	15	3,647	318	782			50	48					11,308
18	Man. of wearing apparel, including fur	3,882		1,436	292	792									6,402
191	Tanning and dressing of leather	953	35	375	447	353									2,163
192	Manufacture of footwear	319		532		86	29								966
20	Man. of wood and w/products exc. furniture	699		1,220	196	2,003									4,118
21/22	Man. of paper, printing and publishing, etc.	7,358	225	7,407	27	4,618	11		439	77	57				20,219
232	Manufacture of refined petroleum products	1,722	128	3,692	2,891	1,216			125						9,774
241	Manufacture of basic chemicals	1,348	80	560	1,064	3,656						50			6,758
242	Man. of pesticides and similar products	5,960	708	6,267	3,593	13,990	69	40	488		40	370		45	31,570
251	Manufacture of other rubber products	305	31	141		1,221									1,698
252	Manufacture of plastics products	13,364	846	9,924	362	7,060	45	115	240	61	126	389	26	66	32,624
261	Manufacture of glass and glass products	1,557	136	2,653	143	2,951			55						7,495
269	Man. of non-metallic mineral products n.e.c.	16,852	1,605	9,362	3,575	9,728	1,165	227	1,899	101	174	680	69	102	45,539
27	Manufacture of basic metals	2,031		3,968	317	6,694									13,010
281	Manufacture of structural metal products	6,314	469	4,197	1,259	4,386	22	59	172		26	86			16,990
289	Man. of other fabricated metal products, etc.	8,835	276	6,463	216	7,301			279		100				23,470
29	Manufacture of machinery and equipment	6,534	567	3,508	105	5,173			23						15,910
31	Man. of electrical machinery and apparatus	8,121	27	4,057	46	2,922									15,173
321	Manufacture of electronic valves, etc.	1,588		406		458									2,452
33	Man. of watches and clocks, etc.	2,585	265	1,773	201	686			5						5,515
34/35	Manufacture of transport equipment	2,930	69	3,369	96	3,168								15	9,647
361	Manufacture of furniture	8,765	313	2,783	370	2,568	19		33		270				15,121
369	Other manufacturing n.e.c.	704		585	60	429			18						1,796
<b>D</b>	<b>Manufacturing</b>	<b>127,270</b>	<b>8,802</b>	<b>97,354</b>	<b>17,264</b>	<b>93,244</b>	<b>1,719</b>	<b>614</b>	<b>4,627</b>	<b>383</b>	<b>1,061</b>	<b>2,034</b>	<b>188</b>	<b>825</b>	<b>355,385</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 1.1.4: No. of establishments by activity and ownership, 2004 - Manufacturing Sector\***

ISIC Rev 3	Description	Local	Joint/Foreign	Total
		01	03	
151	Manufacture of basic food products	144	9	153
152	Manufacture of dairy products	66	6	72
153	Manufacture of grain mill products	51	1	52
154	Manufacture of other food products n.e.c.	202	23	225
155	Manufacture of beverages	79	7	86
17	Manufacture of textiles	66	12	78
18	Man. of wearing apparel, including fur	59	4	63
191	Tanning and dressing of leather	21	2	23
192	Manufacture of footwear	15	2	17
20	Man. of wood and w/products exc. furniture	47	3	50
21/22	Man. of paper, printing and publishing, etc.	203	22	225
232	Manufacture of refined petroleum products	20	13	33
241	Manufacture of basic chemicals	52	9	61
242	Man. of pesticides and similar products	229	65	294
251	Manufacture of other rubber products	26	5	31
252	Manufacture of plastics products	347	41	388
261	Manufacture of glass and glass products	72	11	83
269	Man. of non-metallic mineral products n.e.c.	475	55	530
27	Manufacture of basic metals	63	13	76
281	Manufacture of structural metal products	193	41	234
289	Man. of other fabricated metal products, etc.	218	42	260
29	Manufacture of machinery and equipment	121	28	149
31	Man. of electrical machinery and apparatus	71	25	96
321	Manufacture of electronic valves, etc.	19	6	25
33	Man. of watches and clocks, etc.	46	9	55
34/35	Manufacture of transport equipment	91	12	103
361	Manufacture of furniture	173	33	206
369	Other manufacturing n.e.c.	35	4	39
<b>D</b>	<b>Manufacturing</b>	<b>3,204</b>	<b>503</b>	<b>3,707</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 1.1.5: Distribution of establishments by activity (ISIC R3) and employment size, 2004 - Manufacturing Sector\***

ISIC REV 3	Industrial activity	Employment size						Total
		< 10	10 - 19	20 - 49	50 - 99	100 - 499	>= 500	
151	Manufacture of basic food products	4	17	75	33	21	3	153
152	Manufacture of dairy products	3	7	22	21	15	4	72
153	Manufacture of grain mill products	8	13	18	8	5		52
154	Manufacture of other food products n.e.c.	9	27	107	38	40	4	225
155	Manufacture of beverages		2	32	19	25	8	86
17	Manufacture of textiles		4	27	22	21	4	78
18	Man. of wearing apparel, including fur	1	1	24	22	14	1	63
191	Tanning and dressing of leather			9	7	7		23
192	Manufacture of footwear	1		11	2	3		17
20	Man. of wood and w/products exc. furniture	2	1	25	12	9	1	50
21/22	Man. of paper, printing and publishing, etc.	6	18	84	61	52	4	225
232	Manufacture of refined petroleum products		2	4	4	17	6	33
241	Manufacture of basic chemicals	1	3	27	17	8	5	61
242	Man. of pesticides and similar products	10	33	122	61	58	10	294
251	Manufacture of other rubber products		6	19	5		1	31
252	Manufacture of plastics products	5	42	177	96	60	8	388
261	Manufacture of glass and glass products	1	7	35	24	15	1	83
269	Man. of non-metallic mineral products n.e.c.	15	97	209	121	72	16	530
27	Manufacture of basic metals	2	2	18	19	31	4	76
281	Manufacture of structural metal products	7	29	102	55	40	1	234
289	Man. of other fabricated metal products, etc.	5	28	112	55	56	4	260
29	Manufacture of machinery and equipment	1	9	62	44	30	3	149
31	Man. of electrical machinery and apparatus		7	35	21	23	10	96
321	Manufacture of electronic valves, etc.		3	12	6	2	2	25
33	Man. of watches and clocks, etc.	5	5	20	12	11	2	55
34/35	Manufacture of transport equipment	1	4	41	28	28	1	103
361	Manufacture of furniture	2	9	84	72	37	2	206
369	Other manufacturing n.e.c.		6	20	11	2		39
<b>D</b>	<b>Manufacturing</b>	<b>89</b>	<b>382</b>	<b>1,533</b>	<b>896</b>	<b>702</b>	<b>105</b>	<b>3,707</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 1.1.6: No. of establishments by region and size, 2004 - Manufacturing Sector\***

Geographical region	Employment size						Total
	< 10	10 - 19	20 - 49	50 - 99	100 - 499	>= 500	
Riyadh area	38	119	548	355	248	37	1,345
Gassim area	4	18	71	29	16	2	140
Makkah al-Mukarramah	14	82	383	269	200	30	978
Almadina AlMunawara	5	19	57	26	29	8	144
Eastern prorince	16	77	356	186	191	27	853
Jizan area	3	13	13	5	1	1	36
Najran area		6	13	2			21
Aseer	3	22	43	10	10		88
Al-Baha area		5	9				14
Hail area		6	19	4	1		30
Tabouk area	3	8	9	5	5		30
The Northern borders	1	3	3	1			8
Al-jouf	2	4	9	4	1		20
<b>Kingdom of Saudi Arabia</b>	<b>89</b>	<b>382</b>	<b>1,533</b>	<b>896</b>	<b>702</b>	<b>105</b>	<b>3,707</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 1.1.7: Number of establishments by activity (ISIC R3) and type of legal organisation, 2004 - Manufacturing Sector\***

ISIC Rev 3	Description	Not known	Individual Firm	General Partnership	Limited Liability	Joint Stock Co	Other	Total
		00	01	02	03, 05	06	07, 09	
151	Manufacture of basic food products	9	64	5	63	11	1	153
152	Manufacture of dairy products	7	28	2	30	3	2	72
153	Manufacture of grain mill products	1	22	1	22	6		52
154	Manufacture of other food products n.e.c.	47	86	11	75	3	3	225
155	Manufacture of beverages	8	33	7	37	1		86
17	Manufacture of textiles	2	31	4	37	1	3	78
18	Man. of wearing apparel, including fur	4	42	1	15		1	63
191	Tanning and dressing of leather	4	8		10	1		23
192	Manufacture of footwear	1	11		5			17
20	Man. of wood and w/products exc. furniture	4	21	4	21			50
21/22	Man. of paper, printing and publishing, etc.	31	89	5	93	2	5	225
232	Manufacture of refined petroleum products	4	3		16	10		33
241	Manufacture of basic chemicals	2	21	3	30	5		61
242	Man. of pesticides and similar products	7	96	5	177	5	4	294
251	Manufacture of other rubber products		16	1	14			31
252	Manufacture of plastics products	13	203	18	143	4	7	388
261	Manufacture of glass and glass products	10	39	3	27	4		83
269	Man. of non-metallic mineral products n.e.c.	113	211	28	154	20	4	530
27	Manufacture of basic metals	3	19		50		4	76
281	Manufacture of structural metal products	31	99	7	82		15	234
289	Man. of other fabricated metal products, etc.	19	95	11	119	6	10	260
29	Manufacture of machinery and equipment	6	58	5	74	2	4	149
31	Man. of electrical machinery and apparatus	4	29	4	56	2	1	96
321	Manufacture of electronic valves, etc.	1	5	1	17		1	25
33	Man. of watches and clocks, etc.	11	24	3	16		1	55
34/35	Manufacture of transport equipment	7	51	5	36	1	3	103
361	Manufacture of furniture	23	82	9	77		15	206
369	Other manufacturing n.e.c.	4	19	1	13		2	39
<b>D</b>	<b>Manufacturing</b>	<b>376</b>	<b>1,505</b>	<b>144</b>	<b>1,509</b>	<b>87</b>	<b>86</b>	<b>3,707</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 1.1.8: Manpower by activity (ISIC R3) and size, 2004 - Manufacturing Sector\***

ISIC REV 3	Industrial activity	Employment size						Total
		< 10	10 - 19	20 - 49	50 - 99	100 - 499	>= 500	
151	Manufacture of basic food products	27	252	2,430	2,291	3,816	1,997	<b>10,813</b>
152	Manufacture of dairy products	19	100	652	1,392	3,454	3,522	<b>9,139</b>
153	Manufacture of grain mill products	59	183	580	546	826		<b>2,194</b>
154	Manufacture of other food products n.e.c.	53	383	3,417	2,401	7,985	3,370	<b>17,609</b>
155	Manufacture of beverages		33	1,073	1,290	5,488	8,028	<b>15,912</b>
17	Manufacture of textiles	0	61	998	1,501	4,823	3,925	<b>11,308</b>
18	Man. of wearing apparel, including fur	8	11	809	1,513	3,111	950	<b>6,402</b>
191	Tanning and dressing of leather			324	551	1,288		<b>2,163</b>
192	Manufacture of footwear	9		411	142	404		<b>966</b>
20	Man. of wood and w/products exc. furniture	15	13	891	819	1,804	576	<b>4,118</b>
21/22	Man. of paper, printing and publishing, etc.	40	247	2,780	3,968	10,776	2,408	<b>20,219</b>
232	Manufacture of refined petroleum products		29	138	251	2,990	6,366	<b>9,774</b>
241	Manufacture of basic chemicals	5	51	827	1,179	1,170	3,526	<b>6,758</b>
242	Man. of pesticides and similar products	65	519	3,966	4,206	11,936	10,878	<b>31,570</b>
251	Manufacture of other rubber products		96	601	355		646	<b>1,698</b>
252	Manufacture of plastics products	32	645	5,536	6,680	12,206	7,525	<b>32,624</b>
261	Manufacture of glass and glass products	4	104	1,209	1,684	3,544	950	<b>7,495</b>
269	Man. of non-metallic mineral products n.e.c.	98	1,523	6,472	8,264	14,703	14,479	<b>45,539</b>
27	Manufacture of basic metals	9	38	611	1,292	6,398	4,662	<b>13,010</b>
281	Manufacture of structural metal products	36	444	3,324	3,970	8,101	1,115	<b>16,990</b>
289	Man. of other fabricated metal products, etc.	34	415	3,690	3,732	12,447	3,152	<b>23,470</b>
29	Manufacture of machinery and equipment	6	149	2,058	3,143	5,659	4,895	<b>15,910</b>
31	Man. of electrical machinery and apparatus		109	1,220	1,322	5,029	7,493	<b>15,173</b>
321	Manufacture of electronic valves, etc.		48	420	417	295	1,272	<b>2,452</b>
33	Man. of watches and clocks, etc.	36	85	592	884	2,309	1,609	<b>5,515</b>
34/35	Manufacture of transport equipment	9	52	1,464	1,835	5,690	597	<b>9,647</b>
361	Manufacture of furniture	13	130	2,901	4,779	5,848	1,450	<b>15,121</b>
369	Other manufacturing n.e.c.		78	692	785	241		<b>1,796</b>
<b>D</b>	<b>Manufacturing</b>	<b>577</b>	<b>5,798</b>	<b>50,086</b>	<b>61,192</b>	<b>142,341</b>	<b>95,391</b>	<b>355,385</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 1.1.9: Manpower by region and size, 2004 - Manufacturing Sector\***

Geographical region	Employment size						Total
	< 10	10 - 19	20 - 49	50 - 99	100 - 499	>= 500	
Riyadh area	261	1,759	18,105	24,131	49,891	33,123	<b>127,270</b>
Gassim area	22	279	2,240	2,001	3,043	1,217	<b>8,802</b>
Makkah al-Mukarramah	76	1,240	12,636	18,312	41,200	23,890	<b>97,354</b>
Almadina AlMunawara	34	295	1,817	1,703	5,276	8,139	<b>17,264</b>
Eastern prorince	102	1,196	11,707	12,912	38,919	28,408	<b>93,244</b>
Jizan area	22	196	382	357	148	614	<b>1,719</b>
Najran area		94	412	108			<b>614</b>
Aseer	20	360	1,309	676	2,262		<b>4,627</b>
Al-Baha area		84	299				<b>383</b>
Hail area		77	573	279	132		<b>1,061</b>
Tabouk area	17	111	265	351	1,290		<b>2,034</b>
The Northern borders	9	44	77	58			<b>188</b>
Al-jouf	14	63	264	304	180		<b>825</b>
<b>Kingdom of Saudi Arabia</b>	<b>577</b>	<b>5,798</b>	<b>50,086</b>	<b>61,192</b>	<b>142,341</b>	<b>95,391</b>	<b>355,385</b>

\* Large licensed establishments with capital of more than SR 1 million



**Table 1.2.1: Distribution of manufacturing\* establishments with foreign capital by activity (ISIC Rev. 3) and region, 2004**

ISIC Rev 3	Description	Riyadh area	Gassim area	Makkah al-Mukarramah	AlMadina AlMunawara	Eastern province	Aseer	Tabouk area
		011	012	021	022	031	043	052
151	Manufacture of basic food products	2		4	1	2		
152	Manufacture of dairy products	3		1		2		
153	Manufacture of grain mill products			1				
154	Manufacture of other food products n.e.c.	6	1	11	1	4		
155	Manufacture of beverages	2		2		3		
17	Manufacture of textiles	5		6		1		
181	Man. of wearing apparel, except fur apparel	4						
191	Tanning and dressing of leather	1		1				
192	Manufacture of footwear	2						
202	Man. of veneer sheets; man. of plywood, etc.			1		2		
210	Manufacture of pulp, paper and paperboard	7		9		6		
232	Manufacture of refined petroleum products	2		5	4	2		
241	Manufacture of basic chemicals	1		2	2	4		
242	Man. of pesticides and similar products	15		18	5	26		1
251	Manufacture of other rubber products	1		1		3		
252	Manufacture of plastics products	14		16		11		
261	Manufacture of glass and glass products	2		2		7		
269	Man. of non-metallic mineral products n.e.c.	22		14	3	16		
273	Casting of metals	4		5		4		
281	Manufacture of structural metal products	27		5		8	1	
289	Man. of other fabricated metal products, etc.	12		15		15		
29	Manufacture of machinery and equipment	11		10	1	6		
319	Man. of other electrical equipment n.e.c.	12		5		8		
321	Manufacture of electronic valves, etc.	3		2		1		
33	Man. of watches and clocks, etc.	1		3	1	3	1	
343	Man. of parts for m/vehicles and engines	5		5		2		
361	Manufacture of furniture	18	1	9		5		
369	Other manufacturing n.e.c.			1		3		
<b>D</b>	<b>Manufacturing</b>	<b>182</b>	<b>2</b>	<b>154</b>	<b>18</b>	<b>144</b>	<b>2</b>	<b>1</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 1.2.2: Finance in manufacturing\* establishments with foreign capital by activity and region, 2004**

**Billion SR**

ISIC Rev 3	Description	Riyadh area	Gassim area	Makkah al- Mukarramah	AlMadina AlMunawara	Eastern province	Aseer	Tabouk area	Kingdom of
		011	012	021	022	031	043	052	Saudi Arabia
151	Manufacture of basic food products	111.8		585.8	104.8	18.6			821.0
152	Manufacture of dairy products	179.4		36.4		254.2			470.0
153	Manufacture of grain mill products			12.0					12.0
154	Manufacture of other food products n.e.c.	219.4	5.0	1,189.2	3.4	141.2			1,558.2
155	Manufacture of beverages	355.2		127.3		219.7			702.2
17	Manufacture of textiles	144.2		175.3		43.0			362.5
181	Man. of wearing apparel, except fur apparel	54.6							54.6
191	Tanning and dressing of leather	102.1		4.5					106.6
192	Manufacture of footwear	25.7							25.7
202	Man. of veneer sheets; man. of plywood, etc.			43.6		199.7			243.3
210	Manufacture of pulp, paper and paperboard	106.6		1,128.6		273.8			1,509.0
232	Manufacture of refined petroleum products	333.3		9,098.8	10,954.7	7,054.5			27,441.3
241	Manufacture of basic chemicals	19.5		132.8	6,814.2	3,002.1			9,968.6
242	Man. of pesticides and similar products	369.3		1,146.3	18,695.6	57,913.0		175.0	78,299.2
251	Manufacture of other rubber products	11.8		2.9		679.2			693.9
252	Manufacture of plastics products	598.5		1,139.3		235.7			1,973.5
261	Manufacture of glass and glass products	27.0		36.4		748.0			811.4
269	Man. of non-metallic mineral products n.e.c.	2,009.8		116.8	23.8	3,036.7			5,187.1
273	Casting of metals	53.5		274.9		358.1			686.5
281	Manufacture of structural metal products	207.5		134.0		175.0	2.0		518.6
289	Man. of other fabricated metal products, etc.	216.5		659.5		1,789.5			2,665.4
29	Manufacture of machinery and equipment	150.8		386.3	1.6	54.2			592.9
319	Man. of other electrical equipment n.e.c.	432.8		175.3		176.5			784.6
321	Manufacture of electronic valves, etc.	951.3		23.3		7.5			982.1
33	Man. of watches and clocks, etc.			288.3		30.9			319.3
343	Man. of parts for m/vehicles and engines	38.2		386.9		112.8			537.9
361	Manufacture of furniture	137.1	2.6	173.0		37.6			350.3
369	Other manufacturing n.e.c.			6.8		11.8			18.6
<b>D</b>	<b>Manufacturing</b>	<b>6,855.9</b>	<b>7.6</b>	<b>17,484.1</b>	<b>36,598.2</b>	<b>76,573.3</b>	<b>2.0</b>	<b>175.0</b>	<b>137,696.2</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 1.2.3: Manpower in manufacturing\* establishments with foreign capital by activity (ISIC Rev. 3) and region, 2004**

ISIC Rev 3	Description	Riyadh area	Gassim area	Makkah al-Mukarramah	AlMadina AlMunawara	Eastern province	Aseer	Tabouk area	Kingdom of Saudi Arabia
		011	012	021	022	031	043	052	
151	Manufacture of basic food products	154		1,015	85	85			1,339
152	Manufacture of dairy products	941		160		331			1,432
153	Manufacture of grain mill products			13					13
154	Manufacture of other food products n.e.c.	949	57	1,889	30	540			3,465
155	Manufacture of beverages	2,250		256		1,481			3,987
17	Manufacture of textiles	731		987		90			1,808
181	Man. of wearing apparel, except fur apparel	369							369
191	Tanning and dressing of leather	175		60					235
192	Manufacture of footwear	205							205
202	Man. of veneer sheets; man. of plywood, etc.			175		264			439
210	Manufacture of pulp, paper and paperboard	417		2,222		769			3,408
232	Manufacture of refined petroleum products	275		1,222	1,461	717			3,675
241	Manufacture of basic chemicals	28		149	1,064	940			2,181
242	Man. of pesticides and similar products	1,358		2,600	2,266	7,518		352	14,094
251	Manufacture of other rubber products	32		17		758			807
252	Manufacture of plastics products	2,064		3,313		656			6,033
261	Manufacture of glass and glass products	116		99		1,368			1,583
269	Man. of non-metallic mineral products n.e.c.	3,122		708	91	3,421			7,342
273	Casting of metals	308		895		646			1,849
281	Manufacture of structural metal products	1,733		475		805	24		3,037
289	Man. of other fabricated metal products, etc.	1,148		1,922		2,754			5,824
29	Manufacture of machinery and equipment	1,065		1,265	6	445			2,781
319	Man. of other electrical equipment n.e.c.	1,692		729		1,041			3,462
321	Manufacture of electronic valves, etc.	1,299		63		40			1,402
33	Man. of watches and clocks, etc.	9		259	5	127	5		405
343	Man. of parts for m/vehicles and engines	336		887		450			1,673
361	Manufacture of furniture	1,313	48	558		224			2,143
369	Other manufacturing n.e.c.			31		184			215
<b>D</b>	<b>Manufacturing</b>	<b>22,089</b>	<b>105</b>	<b>21,969</b>	<b>5,008</b>	<b>25,654</b>	<b>29</b>	<b>352</b>	<b>75,206</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 1.2.4: No. of manufacturing establishments\* with foreign capital by activity (ISIC R3) and employment size, 2004**

ISIC Rev. 3	Industrial activity	Employment size						Total
		< 10	10 - 19	20 - 49	50 - 99	100 - 499	>= 500	
151	Manufacture of basic food products			4	2	2	1	9
152	Manufacture of dairy products			1	1	3	1	6
153	Manufacture of grain mill products		1					1
154	Manufacture of other food products n.e.c.		1	5	7	10		23
155	Manufacture of beverages			1	1	1	4	7
17	Manufacture of textiles			2	3	6	1	12
181	Man. of wearing apparel, except fur apparel			1	2	1		4
191	Tanning and dressing of leather				1	1		2
192	Manufacture of footwear			1		1		2
202	Man. of veneer sheets; man. of plywood, etc.				1	2		3
210	Manufacture of pulp, paper and paperboard			4	10	7	1	22
232	Manufacture of refined petroleum products				3	7	3	13
241	Manufacture of basic chemicals			3	3	1	2	9
242	Man. of pesticides and similar products		7	17	12	22	7	65
251	Manufacture of other rubber products		1	2	1		1	5
252	Manufacture of plastics products		2	16	9	11	3	41
261	Manufacture of glass and glass products			3	4	4		11
269	Man. of non-metallic mineral products n.e.c.	5	5	11	21	10	3	55
273	Casting of metals			3	4	6		13
281	Manufacture of structural metal products		6	15	10	10		41
289	Man. of other fabricated metal products, etc.	1		16	5	19	1	42
29	Manufacture of machinery and equipment	1	3	6	8	9	1	28
319	Man. of other electrical equipment n.e.c.		1	11	4	8	1	25
321	Manufacture of electronic valves, etc.		1	3			2	6
33	Man. of watches and clocks, etc.	4		2	2	1		9
343	Man. of parts for m/vehicles and engines			3	4	4	1	12
361	Manufacture of furniture		1	17	7	8		33
369	Other manufacturing n.e.c.			2	2			4
<b>D</b>	<b>Manufacturing</b>	<b>11</b>	<b>29</b>	<b>149</b>	<b>127</b>	<b>154</b>	<b>33</b>	<b>503</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 1.2.5: No. of manufacturing establishments\* with foreign capital by region and size, 2004 - Manufacturing Sector\***

Geographical region	Employment size						Total
	< 10	10 - 19	20 - 49	50 - 99	100 - 499	>= 500	
Riyadh area	3	8	60	53	49	9	182
Gassim area			1	1			2
Makkah al-Mukarramah	2	12	43	37	51	9	154
AlMadina AlMunawara	2	1	5	3	4	3	18
Eastern province	3	8	39	33	49	12	144
Aseer	1		1				2
Tabouk area					1		1
<b>Kingdom of Saudi Arabia</b>	<b>11</b>	<b>29</b>	<b>149</b>	<b>127</b>	<b>154</b>	<b>33</b>	<b>503</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 1.2.6: No. of manufacturing establishments\* with foreign capital by activity and type of legal organisation, 2004**

ISIC Rev. 3	Description	Not known	Individual Firm	General Partnership	Limited Liability	Joint Stock Co	Other	Total
		00	01	02	03, 05	06	07	
151	Manufacture of basic food products				9			9
152	Manufacture of dairy products				4		2	6
153	Manufacture of grain mill products				1			1
154	Manufacture of other food products n.e.c.				20		3	23
155	Manufacture of beverages				7			7
17	Manufacture of textiles				9		3	12
181	Man. of wearing apparel, except fur apparel				3		1	4
191	Tanning and dressing of leather				2			2
192	Manufacture of footwear				2			2
202	Man. of veneer sheets; man. of plywood, etc.				3			3
210	Manufacture of pulp, paper and paperboard		1		15	1	5	22
232	Manufacture of refined petroleum products	1			9	3		13
241	Manufacture of basic chemicals				7	2		9
242	Man. of pesticides and similar products	1			60		4	65
251	Manufacture of other rubber products		1		4			5
252	Manufacture of plastics products	2			32		7	41
261	Manufacture of glass and glass products				11			11
269	Man. of non-metallic mineral products n.e.c.	5	1		43	2	4	55
273	Casting of metals		1		8		4	13
281	Manufacture of structural metal products	4		1	21		15	41
289	Man. of other fabricated metal products, etc.	1			31		10	42
29	Manufacture of machinery and equipment		3		21		4	28
319	Man. of other electrical equipment n.e.c.		1		23		1	25
321	Manufacture of electronic valves, etc.				5		1	6
33	Man. of watches and clocks, etc.	1			7		1	9
343	Man. of parts for m/vehicles and engines				9		3	12
361	Manufacture of furniture	3	1		14		15	33
369	Other manufacturing n.e.c.		1		1		2	4
<b>D</b>	<b>Manufacturing</b>	<b>18</b>	<b>10</b>	<b>1</b>	<b>381</b>	<b>8</b>	<b>85</b>	<b>503</b>

\* Large licensed establishments with capital of more than SR 1 million

# **PART II**

**Tables from Industrial Survey, 2002  
(Large licensed establishments)**

**Table 2.1.1: The Manufacturing Sector including other than large establishments, 2002**

Million SR

ISIC R3	Description	Employment	Gross output	Intermediate consumption	Value added	Taxes on production	Compensation of employees	Gross operating surplus
<b>D</b>	<b>Manufacturing, large<sup>1</sup></b>	<b>352,711</b>	<b>255,561.7</b>	<b>188,663.0</b>	<b>66,898.8</b>	<b>621.3</b>	<b>15,279.2</b>	<b>50,998.2</b>
<i>D</i>	<i>Manufacturing, large excluding ISIC 232</i>	<i>343,909</i>	<i>148,149.3</i>	<i>99,371.3</i>	<i>48,778.0</i>	<i>520.8</i>	<i>13,761.4</i>	<i>34,495.7</i>
15	Manufacture of food products and beverages	56,202	19,242.8	13,491.8	5,751.0	43.6	1,744.5	3,962.9
17	Manufacture of textiles	10,184	2,415.1	1,763.2	651.9	2.1	204.5	445.3
18	Man. of wearing apparel, including fur	5,765	605.7	390.4	215.3	0.7	115.3	99.3
19	Tanning and dressing of leather; man. of footwear	2,818	290.0	215.4	74.6	0.8	39.4	34.3
20	Man. of wood and w/products exc. furniture	3,709	1,756.3	1,449.1	307.1	1.3	90.7	215.1
21	Manufacture of paper and paper products	18,209	6,874.6	4,779.1	2,095.6	9.4	620.4	1,465.7
22	Printing and publishing, etc.	5,833	1,497.5	835.1	662.4	2.5	240.2	419.8
232	Manufacture of refined petroleum products	8,802	107,412.5	89,291.7	18,120.8	100.5	1,517.8	16,502.5
24	Man. of chemicals and chemical products	31,742	42,840.8	26,642.8	16,198.0	164.0	3,567.0	12,467.0
25	Manufacture of rubber and plastics products	31,676	7,715.8	5,450.7	2,265.1	120.5	808.9	1,335.8
26	Man. of other non-metallic mineral products	47,761	13,334.5	6,886.8	6,447.7	104.6	1,485.4	4,857.7
27	Manufacture of basic metals	14,572	15,361.4	10,502.3	4,859.0	1.7	1,342.1	3,515.2
28	Man. of fabricated metal products exc. machinery	44,572	12,632.6	9,062.8	3,569.8	11.7	1,348.5	2,209.7
29	Manufacture of machinery and equipment	14,328	4,626.8	3,571.1	1,055.6	16.4	441.8	597.4
31	Man. of electrical machinery and apparatus	19,927	11,646.3	9,269.4	2,377.0	12.1	879.3	1,485.6
321	Manufacture of electronic valves, etc.	2,208	976.0	333.7	642.4	0.0	82.7	559.7
33	Man. of watches and clocks, etc.	4,967	487.6	290.0	197.7	0.9	112.8	84.0
34	Manufacture of motor vehicles, etc.	8,577	1,866.8	1,482.3	384.5	1.8	197.8	184.9
35	Manufacture of transport equipment	2,838	671.9	527.7	144.1	22.3	26.7	95.1
36	Manufacture of furniture, manufacturing n.e.c.	18,021	3,306.8	2,427.7	879.2	4.5	413.4	461.3
<b>D</b>	<b>Manufacturing, other than large<sup>2</sup></b>	<b>197,000<sup>3</sup></b>	<b>19,500.0</b>	<b>13,100.0</b>	<b>6,400.0</b>	<b>62.0</b>	<b>4,400.0</b>	<b>1,938.0</b>
<b>D</b>	<b>Total - Manufacturing Sector</b>	<b>549,711</b>	<b>275,061.7</b>	<b>201,763.0</b>	<b>73,298.8</b>	<b>683.3</b>	<b>19,679.2</b>	<b>52,936.2</b>

<sup>1</sup> large licensed establishments with capital of more than SR 1 million

<sup>2</sup> establishments other than <sup>1</sup> above covered by the Industrial Survey. Estimates worked out from data obtained from the Central Department of Statistics

<sup>3</sup> includes persons engaged other than employees



**Table 2.1.2: The Manufacturing Sector\* - Industrial Survey, 2001 – 2002**

**Value in million SR**

ISIC	Description	No. of establishments			No. of employees			Value added			Compensation of employees		
		2001	2002	Change	2001	2002	Change	2001	2002	% change	2001	2002	% change
151	Manufacture of basic food products	146	150	4	9,459	9,738	279	745.4	805.7	8.1	270.5	262.6	-2.9
152	Manufacture of dairy products	69	71	2	13,850	13,992	142	1,515.5	1,627.1	7.4	488.4	531.6	8.8
153	Manufacture of grain mill products	50	51	1	2,219	2,284	65	261.1	268.8	3.0	67.6	85.3	26.3
154	Manufacture of other food products n.e.c.	214	219	5	14,679	15,111	432	1,770.8	1,731.2	-2.2	525.2	522.4	-0.5
155	Manufacture of beverages	82	84	2	14,645	15,077	432	1,172.1	1,318.0	12.4	312.3	342.6	9.7
17	Manufacture of textiles	74	76	2	9,892	10,184	292	746.6	651.9	-12.7	181.1	204.5	13.0
18	Man. of wearing apparel, including fur	60	61	1	5,600	5,765	165	194.3	215.3	10.8	112.5	115.3	2.4
191	Tanning and dressing of leather	22	23	1	1,892	1,948	56	50.9	54.8	7.6	24.9	25.9	4.2
192	Manufacture of footwear	16	16	0	845	870	25	19.1	19.7	3.2	13.1	13.5	3.1
20	Man. of wood and w/products exc. furniture	48	49	1	3,602	3,709	107	279.0	307.1	10.1	89.6	90.7	1.3
21	Manufacture of paper and paper products	156	160	4	17,688	18,209	521	1,888.2	2,095.6	11.0	594.6	620.4	4.3
22	Printing and publishing, etc.	58	59	1	5,700	5,833	133	635.7	662.4	4.2	238.1	240.2	0.9
232	Manufacture of refined petroleum products	31	32	1	8,550	8,802	252	17,569.0	18,120.8	3.1	1,371.7	1,517.8	10.6
241	Manufacture of basic chemicals	58	59	1	17,714	18,236	522	13,003.8	14,205.5	9.2	2,771.1	2,880.0	3.9
242	Man. of pesticides and similar products	280	287	7	13,119	13,506	387	1,754.7	1,992.5	13.6	659.3	687.0	4.2
251	Manufacture of other rubber products	30	31	1	2,230	2,296	66	207.3	306.9	48.1	114.3	132.3	15.7
252	Manufacture of plastics products	370	379	9	28,539	29,380	841	1,746.7	1,958.2	12.1	636.1	676.6	6.4
261	Manufacture of glass and glass products	79	81	2	6,556	6,750	194	900.0	909.7	1.1	275.7	283.1	2.7
269	Man. of non-metallic mineral products n.e.c.	505	517	12	39,837	41,011	1,174	5,092.0	5,537.9	8.8	1,183.3	1,202.2	1.6
27	Manufacture of basic metals	72	74	2	14,155	14,572	417	2,230.7	4,859.0	117.8	1,347.7	1,342.1	-0.4
281	Manufacture of structural metal products	223	229	6	22,764	23,435	671	1,996.8	1,970.7	-1.3	830.2	829.8	0.0
289	Man. of other fabricated metal products, etc.	248	254	6	20,532	21,137	605	1,348.1	1,599.2	18.6	507.6	518.7	2.2
29	Manufacture of machinery and equipment	142	146	4	13,918	14,328	410	1,127.4	1,055.6	-6.4	424.0	441.8	4.2
31	Man. of electrical machinery and apparatus	91	93	2	19,356	19,927	571	2,772.7	2,377.0	-14.3	890.3	879.3	-1.2
321	Manufacture of electronic valves, etc.	24	25	1	2,144	2,208	64	456.8	642.4	40.6	84.2	82.7	-1.8
33	Man. of watches and clocks, etc.	52	53	1	4,824	4,967	143	200.2	197.7	-1.3	97.6	112.8	15.5
34	Manufacture of motor vehicles, etc.	95	97	2	8,331	8,577	246	370.8	384.5	3.7	195.2	197.8	1.4
35	Manufacture of transport equipment	3	3	0	2,757	2,838	81	163.3	144.1	-11.7	25.6	26.7	4.5
361	Manufacture of furniture	196	201	5	12,755	13,131	376	610.5	597.5	-2.1	290.2	294.7	1.5
369	Other manufacturing n.e.c.	37	38	1	4,750	4,890	140	268.7	281.6	4.8	115.8	118.7	2.6
D	Manufacturing Sector	3,531	3,618	87	342,902	352,711	9,809	61,098.4	66,898.8	9.5	14,737.6	15,279.2	3.7

\* Large licensed establishments with capital of more than SR 1 million

**Table 2.1.3: Principal indicators of the Manufacturing Sector\* - Industrial Survey, 2002**

Value in million SR

ISIC Rev. 3	Description	No. of establishments	No. of employees			Gross output	Value added	Compensation of employees		
			Saudis	Non-Saudis	Total			Saudis	Non-Saudis	Total
151	Manufacture of basic food products	150	1,714	8,024	9,738	3,646.9	805.7	91.0	171.6	262.6
152	Manufacture of dairy products	71	2,734	11,258	13,992	4,278.1	1,627.1	124.1	407.6	531.6
153	Manufacture of grain mill products	51	481	1,803	2,284	1,140.5	268.8	33.7	51.7	85.3
154	Manufacture of other food products n.e.c.	219	2,331	12,780	15,111	5,458.9	1,731.2	141.4	381.0	522.4
155	Manufacture of beverages	84	2,758	12,319	15,077	4,718.4	1,318.0	91.7	250.8	342.6
17	Manufacture of textiles	76	1,731	8,453	10,184	2,415.1	651.9	58.3	146.2	204.5
18	Man. of wearing apparel, including fur	61	827	4,938	5,765	605.7	215.3	31.3	84.0	115.3
191	Tanning and dressing of leather	23	96	1,852	1,948	200.3	54.8	3.8	22.1	25.9
192	Manufacture of footwear	16	90	780	870	89.7	19.7	3.6	9.9	13.5
20	Man. of wood and w/products exc. furniture	49	662	3,047	3,709	1,756.3	307.1	29.9	60.8	90.7
21	Manufacture of paper and paper products	160	3,316	14,893	18,209	6,874.6	2,095.6	160.3	460.1	620.4
22	Printing and publishing, etc.	59	1,499	4,334	5,833	1,497.5	662.4	115.1	125.2	240.2
232	Manufacture of refined petroleum products	32	6,584	2,218	8,802	107,412.5	18,120.8	1,297.7	220.1	1,517.8
241	Manufacture of basic chemicals	59	11,839	6,397	18,236	36,948.4	14,205.5	2,331.6	548.4	2,880.0
242	Man. of pesticides and similar products	287	3,571	9,935	13,506	5,892.4	1,992.5	247.2	439.8	687.0
251	Manufacture of other rubber products	31	737	1,559	2,296	1,599.5	306.9	71.2	61.1	132.3
252	Manufacture of plastics products	379	4,609	24,771	29,380	6,116.3	1,958.2	191.1	485.5	676.6
261	Manufacture of glass and glass products	81	1,500	5,250	6,750	2,196.4	909.7	82.8	200.4	283.1
269	Man. of non-metallic mineral products n.e.c.	517	8,857	32,154	41,011	11,138.1	5,537.9	458.8	743.4	1,202.2
27	Manufacture of basic metals	74	5,773	8,799	14,572	15,361.4	4,859.0	926.4	415.6	1,342.1
281	Manufacture of structural metal products	229	3,998	19,437	23,435	6,753.9	1,970.7	213.6	616.2	829.8
289	Man. of other fabricated metal products, etc.	254	3,547	17,590	21,137	5,878.7	1,599.2	142.8	375.9	518.7
29	Manufacture of machinery and equipment	146	2,789	11,539	14,328	4,626.8	1,055.6	134.1	307.7	441.8
31	Man. of electrical machinery and apparatus	93	4,629		19,927	11,646.3	2,377.0	264.8	614.4	879.3
321	Manufacture of electronic valves, etc.	25	377	1,831	2,208	976.0	642.4	27.4	55.3	82.7
33	Man. of watches and clocks, etc.	53	1,223	3,744	4,967	487.6	197.7	31.3	81.4	112.8
34	Manufacture of motor vehicles, etc.	97	1,496	7,081	8,577	1,866.8	384.5	56.0	141.8	197.8
35	Manufacture of transport equipment	3	1,566	1,272	2,838	671.9	144.1	12.2	14.6	26.7
361	Manufacture of furniture	201	2,037	11,094	13,131	1,968.7	597.5	83.8	210.9	294.7
369	Other manufacturing n.e.c.	38	791	4,099	4,890	1,338.1	281.6	30.4	88.4	118.7
<b>D</b>	<b>Manufacturing Sector</b>	<b>3,618</b>	<b>84,161</b>	<b>253,252</b>	<b>352,711</b>	<b>255,561.7</b>	<b>66,898.8</b>	<b>7,487.5</b>	<b>7,791.7</b>	<b>15,279.2</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 2.1.4: Operation ratios of the Manufacturing Sector\* - Industrial Survey, 2002**

ISIC	Description	Number of establishments	Gross output (GO) per		Value added as a % of G/Output	Value added per		Comp. of employees	
			establishment	employee		establishment	employee	per employee	as a % of VA
			Value in 000 SR						
151	Manufacture of basic food products	150	24,313	374.5	22.1	5,372	82.7	27.0	32.6
152	Manufacture of dairy products	71	60,255	305.8	38.0	22,917	116.3	38.0	32.7
153	Manufacture of grain mill products	51	22,362	499.3	23.6	5,271	117.7	37.4	31.7
154	Manufacture of other food products n.e.c.	219	24,927	361.3	31.7	7,905	114.6	34.6	30.2
155	Manufacture of beverages	84	56,171	313.0	27.9	15,691	87.4	22.7	26.0
17	Manufacture of textiles	76	31,778	237.1	27.0	8,578	64.0	20.1	31.4
18	Man. of wearing apparel, including fur	61	9,929	105.1	35.5	3,529	37.3	20.0	53.5
191	Tanning and dressing of leather	23	8,710	102.8	27.4	2,384	28.1	13.3	47.3
192	Manufacture of footwear	16	5,604	103.1	22.0	1,234	22.7	15.5	68.4
20	Man. of wood and w/products exc. furniture	49	35,842	473.5	17.5	6,268	82.8	24.5	29.5
21	Manufacture of paper and paper products	160	42,966	377.5	30.5	13,097	115.1	34.1	29.6
22	Printing and publishing, etc.	59	25,382	256.7	44.2	11,228	113.6	41.2	36.3
232	Manufacture of refined petroleum products	32	3,356,640	12,203.2	16.9	566,275	2,058.7	172.4	8.4
241	Manufacture of basic chemicals	59	626,244	2,026.1	38.4	240,772	779.0	157.9	20.3
242	Man. of pesticides and similar products	287	20,531	436.3	33.8	6,942	147.5	50.9	34.5
251	Manufacture of other rubber products	31	51,597	696.6	19.2	9,901	133.7	57.6	43.1
252	Manufacture of plastics products	379	16,138	208.2	32.0	5,167	66.7	23.0	34.6
261	Manufacture of glass and glass products	81	27,116	325.4	41.4	11,231	134.8	41.9	31.1
269	Man. of non-metallic mineral products n.e.c.	517	21,544	271.6	49.7	10,712	135.0	29.3	21.7
27	Manufacture of basic metals	74	207,586	1,054.2	31.6	65,663	333.4	92.1	27.6
281	Manufacture of structural metal products	229	29,493	288.2	29.2	8,606	84.1	35.4	42.1
289	Man. of other fabricated metal products, etc.	254	23,144	278.1	27.2	6,296	75.7	24.5	32.4
29	Manufacture of machinery and equipment	146	31,690	322.9	22.8	7,230	73.7	30.8	41.9
31	Man. of electrical machinery and apparatus	93	125,229	584.4	20.4	25,559	119.3	44.1	37.0
321	Manufacture of electronic valves, etc.	25	39,041	442.0	65.8	25,695	290.9	37.5	12.9
33	Man. of watches and clocks, etc.	53	9,201	98.2	40.5	3,730	39.8	22.7	57.0
34	Manufacture of motor vehicles, etc.	97	19,245	217.7	20.6	3,964	44.8	23.1	51.4
35	Manufacture of transport equipment	3	223,953	236.7	21.5	48,040	50.8	9.4	18.6
361	Manufacture of furniture	201	9,795	149.9	30.4	2,973	45.5	22.4	49.3
369	Other manufacturing n.e.c.	38	35,214	273.6	21.0	7,411	57.6	24.3	42.2
<b>D</b>	<b>Manufacturing Sector</b>	<b>3,618</b>	<b>70,636</b>	<b>724.6</b>	<b>26.2</b>	<b>18,491</b>	<b>189.7</b>	<b>43.3</b>	<b>22.8</b>
	<i>Manufacturing excluding ISIC 232</i>	<i>(3,586)</i>	<i>(41,313)</i>	<i>(430.8)</i>	<i>(32.9)</i>	<i>(13,602)</i>	<i>(141.8)</i>	<i>(40.0)</i>	<i>(28.2)</i>

\* Large licensed establishments with capital of more than SR 1 million

**Table 2.1.5: Number of employees by activity, employment status and nationality, 2002 - Manufacturing Sector\***

ISIC R3	Description	Admin. & clerical		Professional		Technical		Other		Total		
		Saudi	Non-Saudi	Saudi	Non-Saudi	Saudi	Non-Saudi	Saudi	Non-Saudi	Saudi	Non-Saudi	Total
151	Manufacture of basic food products	718	1,463	28	158	491	3,960	477	2,443	1,714	8,024	9,738
152	Manufacture of dairy products	1,047	3,667	39	160	554	3,231	1,094	4,200	2,734	11,258	13,992
153	Manufacture of grain mill products	210	345	29	77	103	457	139	924	481	1,803	2,284
154	Manufacture of other food products n.e.c.	936	2,732	52	236	881	6,557	462	3,255	2,331	12,780	15,111
155	Manufacture of beverages	1,126	3,419	16	201	641	3,367	975	5,332	2,758	12,319	15,077
17	Manufacture of textiles	427	630	38	158	564	4,344	703	3,321	1,731	8,453	10,184
18	Man. of wearing apparel, including fur	303	536	9	69	390	3,686	125	647	827	4,938	5,765
191	Tanning and dressing of leather	59	74	0	14	0	867	38	897	96	1,852	1,948
192	Manufacture of footwear	43	95	4	16	29	247	14	422	90	780	870
20	Man. of wood and w/products exc. furniture	286	388	15	112	191	1,737	170	810	662	3,047	3,709
21	Manufacture of paper and paper products	1,038	2,622	42	425	1,412	8,434	824	3,412	3,316	14,893	18,209
22	Printing and publishing, etc.	1,071	942	48	91	203	2,513	177	788	1,499	4,334	5,833
232	Manufacture of refined petroleum products	1,312	411	356	205	3,400	741	1,517	861	6,584	2,218	8,802
241	Manufacture of basic chemicals	1,923	1,296	1,500	701	7,254	3,212	1,161	1,188	11,839	6,397	18,236
242	Man. of pesticides and similar products	1,400	2,651	114	496	1,328	4,272	729	2,516	3,571	9,935	13,506
251	Manufacture of other rubber products	200	289	72	102	366	959	99	209	737	1,559	2,296
252	Manufacture of plastics products	1,717	2,689	145	612	1,291	12,940	1,455	8,531	4,609	24,771	29,380
261	Manufacture of glass and glass products	423	606	39	214	596	2,840	441	1,589	1,500	5,250	6,750
269	Man. of non-metallic mineral products n.e.c.	2,997	3,452	206	1,196	2,996	15,587	2,658	11,919	8,857	32,154	41,011
27	Manufacture of basic metals	1,073	813	482	468	3,489	5,485	728	2,032	5,773	8,799	14,572
281	Manufacture of structural metal products	1,153	2,517	138	1,037	1,694	11,735	1,013	4,148	3,998	19,437	23,435
289	Man. of other fabricated metal products, etc.	1,123	1,961	93	625	1,331	10,752	1,000	4,251	3,547	17,590	21,137
29	Manufacture of machinery and equipment	892	1,579	126	800	1,281	6,275	490	2,885	2,789	11,539	14,328
31	Man. of electrical machinery and apparatus	1,323	3,004	259	1,330	2,098	8,724	949	2,240	4,629	15,298	19,927
321	Manufacture of electronic valves, etc.	269	242	0	323	81	835	27	431	377	1,831	2,208
33	Man. of watches and clocks, etc.	707	1,356	0	153	153	1,834	363	401	1,223	3,744	4,967
34	Manufacture of motor vehicles, etc.	576	773	35	219	524	4,520	361	1,568	1,496	7,081	8,577
35	Manufacture of transport equipment	187	107	3	17	1,314	1,098	62	50	1,566	1,272	2,838
361	Manufacture of furniture	757	1,384	62	321	664	6,195	554	3,195	2,037	11,094	13,131
369	Other manufacturing n.e.c.	489	337	11	133	112	2,900	179	729	791	4,099	4,890
<b>D</b>	<b>Manufacturing Sector</b>	<b>25,785</b>	<b>42,380</b>	<b>3,960</b>	<b>10,668</b>	<b>35,431</b>	<b>140,304</b>	<b>18,985</b>	<b>75,197</b>	<b>84,161</b>	<b>268,550</b>	<b>352,711</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 2.1.6: Production account by industrial activity (ISIC R3), 2002 - Manufacturing Sector\***

Million SR

ISIC R3	Description	Employment	Gross output	Intermediate consumption	Value added	Taxes on production	Compensation of employees	Gross operating surplus
151	Manufacture of basic food products	9,738	3,646.9	2,841.1	805.7	15.1	262.6	528.1
152	Manufacture of dairy products	13,992	4,278.1	2,651.0	1,627.1	11.8	531.6	1,083.7
153	Manufacture of grain mill products	2,284	1,140.5	871.7	268.8	0.2	85.3	183.3
154	Manufacture of other food products n.e.c.	15,111	5,458.9	3,727.7	1,731.2	15.1	522.4	1,193.7
155	Manufacture of beverages	15,077	4,718.4	3,400.4	1,318.0	1.3	342.6	974.2
17	Manufacture of textiles	10,184	2,415.1	1,763.2	651.9	2.1	204.5	445.3
18	Man. of wearing apparel, including fur	5,765	605.7	390.4	215.3	0.7	115.3	99.3
191	Tanning and dressing of leather	1,948	200.3	145.5	54.8	0.2	25.9	28.7
192	Manufacture of footwear	870	89.7	69.9	19.7	0.6	13.5	5.7
20	Man. of wood and w/products exc. furniture	3,709	1,756.3	1,449.1	307.1	1.3	90.7	215.1
21	Manufacture of paper and paper products	18,209	6,874.6	4,779.1	2,095.6	9.4	620.4	1,465.7
22	Printing and publishing, etc.	5,833	1,497.5	835.1	662.4	2.5	240.2	419.8
232	Manufacture of refined petroleum products	8,802	107,412.5	89,291.7	18,120.8	100.5	1,517.8	16,502.5
241	Manufacture of basic chemicals	18,236	36,948.4	22,742.9	14,205.5	133.1	2,880.0	11,192.5
242	Man. of pesticides and similar products	13,506	5,892.4	3,899.9	1,992.5	31.0	687.0	1,274.5
251	Manufacture of other rubber products	2,296	1,599.5	1,292.6	306.9	105.8	132.3	68.9
252	Manufacture of plastics products	29,380	6,116.3	4,158.1	1,958.2	14.7	676.6	1,266.9
261	Manufacture of glass and glass products	6,750	2,196.4	1,286.7	909.7	12.6	283.1	614.0
269	Man. of non-metallic mineral products n.e.c.	41,011	11,138.1	5,600.1	5,537.9	92.0	1,202.2	4,243.7
27	Manufacture of basic metals	14,572	15,361.4	10,502.3	4,859.0	1.7	1,342.1	3,515.2
281	Manufacture of structural metal products	23,435	6,753.9	4,783.3	1,970.7	6.5	829.8	1,134.4
289	Man. of other fabricated metal products, etc.	21,137	5,878.7	4,279.5	1,599.2	5.2	518.7	1,075.3
29	Manufacture of machinery and equipment	14,328	4,626.8	3,571.1	1,055.6	16.4	441.8	597.4
31	Man. of electrical machinery and apparatus	19,927	11,646.3	9,269.4	2,377.0	12.1	879.3	1,485.6
321	Manufacture of electronic valves, etc.	2,208	976.0	333.7	642.4	0.0	82.7	559.7
33	Man. of watches and clocks, etc.	4,967	487.6	290.0	197.7	0.9	112.8	84.0
34	Manufacture of motor vehicles, etc.	8,577	1,866.8	1,482.3	384.5	1.8	197.8	184.9
35	Manufacture of transport equipment	2,838	671.9	527.7	144.1	22.3	26.7	95.1
361	Manufacture of furniture	13,131	1,968.7	1,371.2	597.5	2.1	294.7	300.8
369	Other manufacturing n.e.c.	4,890	1,338.1	1,056.5	281.6	2.4	118.7	160.5
<b>D</b>	<b>Manufacturing Sector</b>	<b>352,711</b>	<b>255,561.7</b>	<b>188,663.0</b>	<b>66,898.8</b>	<b>621.3</b>	<b>15,279.2</b>	<b>50,998.2</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 2.1.7: Components of gross output by industrial activity (ISIC R3), 2002 - Manufacturing Sector\***

Million SR

ISIC R3	Description	Sale of goods produced			Change in stocks	Other income	Gross output
		Exports	Local market	Total			
151	Manufacture of basic food products	242.0	2,871.8	3,113.8	23.6	509.5	<b>3,646.9</b>
152	Manufacture of dairy products	737.9	3,476.8	4,214.7	29.1	34.4	<b>4,278.1</b>
153	Manufacture of grain mill products	6.8	1,107.6	1,114.4	18.9	7.3	<b>1,140.5</b>
154	Manufacture of other food products n.e.c.	473.4	4,929.5	5,402.9	32.1	23.9	<b>5,458.9</b>
155	Manufacture of beverages	297.7	4,341.7	4,639.5	3.2	75.7	<b>4,718.4</b>
17	Manufacture of textiles	418.9	1,996.5	2,415.4	-15.8	15.5	<b>2,415.1</b>
18	Man. of wearing apparel, including fur	0.3	594.8	595.1	9.9	0.6	<b>605.7</b>
191	Tanning and dressing of leather	131.7	65.5	197.2	2.7	0.5	<b>200.3</b>
192	Manufacture of footwear	15.6	75.5	91.1	-1.5	0.0	<b>89.7</b>
20	Man. of wood and w/products exc. furniture	94.5	1,610.2	1,704.6	40.3	11.3	<b>1,756.3</b>
21	Manufacture of paper and paper products	975.5	5,860.6	6,836.1	-8.4	46.9	<b>6,874.6</b>
22	Printing and publishing, etc.	1.3	1,432.5	1,433.8	0.9	62.9	<b>1,497.5</b>
232	Manufacture of refined petroleum products	46,008.7	60,112.1	106,120.8	969.4	322.3	<b>107,412.5</b>
241	Manufacture of basic chemicals	17,497.0	19,008.7	36,505.7	37.0	405.7	<b>36,948.4</b>
242	Man. of pesticides and similar products	922.3	4,827.5	5,749.8	93.7	48.9	<b>5,892.4</b>
251	Manufacture of other rubber products	885.9	604.9	1,490.8	105.2	3.5	<b>1,599.5</b>
252	Manufacture of plastics products	689.1	5,342.6	6,031.7	4.2	80.5	<b>6,116.3</b>
261	Manufacture of glass and glass products	681.6	1,467.5	2,149.1	6.8	40.5	<b>2,196.4</b>
269	Man. of non-metallic mineral products n.e.c.	920.7	10,213.0	11,133.7	-266.9	271.3	<b>11,138.1</b>
27	Manufacture of basic metals	1,202.6	13,375.8	14,578.3	761.4	21.6	<b>15,361.4</b>
281	Manufacture of structural metal products	1,056.6	5,681.9	6,738.4	-87.9	103.4	<b>6,753.9</b>
289	Man. of other fabricated metal products, etc.	988.5	4,792.8	5,781.3	17.2	80.2	<b>5,878.7</b>
29	Manufacture of machinery and equipment	715.0	3,874.8	4,589.8	-10.6	47.6	<b>4,626.8</b>
31	Man. of electrical machinery and apparatus	827.0	10,757.3	11,584.2	-59.8	121.8	<b>11,646.3</b>
321	Manufacture of electronic valves, etc.	0.0	730.7	730.7	243.2	2.1	<b>976.0</b>
33	Man. of watches and clocks, etc.	24.5	466.3	490.9	-5.2	2.0	<b>487.6</b>
34	Manufacture of motor vehicles, etc.	236.8	1,601.0	1,837.8	16.6	12.4	<b>1,866.8</b>
35	Manufacture of transport equipment	0.2	669.4	669.6	-0.2	2.4	<b>671.9</b>
361	Manufacture of furniture	22.0	1,906.1	1,928.1	28.6	12.0	<b>1,968.7</b>
369	Other manufacturing n.e.c.	87.4	1,276.0	1,363.4	-27.9	2.7	<b>1,338.1</b>
<b>D</b>	<b>Manufacturing Sector</b>	<b>76,161.4</b>	<b>175,071.3</b>	<b>251,232.7</b>	<b>1,959.5</b>	<b>2,369.5</b>	<b>255,561.7</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 2.1.8: Sales by product and origin, 2002 - Manufacturing Sector\***

Million SR

Section (H/System) <sup>1</sup>	Description	Sales		
		Local	Exports	Total
1	Live Animals; Animal Products	7,234.2	1,823.3	9,057.4
2	Vegetable Products	1,249.9	91.0	1,340.9
3	Animal or Vegetable Fats and Oils and Their Cleavage Products; Prepared Edible Fats; Animal or Vegetable Waxes	1,563.6	274.9	1,838.6
4	Prepared Foodstuffs; Beverages, Spirits, and Vinegar; Tobacco and Manufactured Tobacco Substitutes	17,787.6	1,725.2	19,512.7
5	Mineral Products	35,254.8	26,494.3	61,749.1
6	Products of the Chemical or Allied Industries	25,140.0	23,346.0	48,486.0
7	Plastics and Articles Thereof; Rubber and Articles Thereof	13,575.9	9,783.8	23,359.7
8	Raw Hides and Skins, Leather, Furskins and Articles Thereof; Saddlery and Harness; Travel Goods, Handbags, and Similar Containers, etc.	50.5	203.8	254.3
9	Wood and Articles of Wood; Wood Charcoal; Cork and Articles of Cork; Manufactures of Straw, of Esparto or of Other Plaiting Materials; Basketware and Wickerwork	1,458.6	96.3	1,554.8
10	Pulp of Wood or of other Fibrous Cellulosic Material; Waste and Scrap of Paper or Paperboard; Paper and Paperboard and Articles Thereof	9,084.4	1,328.7	10,413.0
11	Textiles and Textile Articles	3,750.9	1,562.6	5,313.5
12	Footwear, Headgear, Umbrellas, Sun Umbrellas, Walking-Sticks, Seat-Sticks, Whips, Riding-Crops and Parts Thereof; Prepared Feathers and Articles Made Therewith; Artificial Flowers; Articles of Human Hair	310.6	29.8	340.4
13	Articles of Stone, Plaster, Cement, Asbestos, Mica or Similar Materials; Ceramic Products; Glass and Glassware	8,606.1	1,635.4	10,241.5
14	Natural or Cultured Pearls, Precious or Semiprecious Stones, Precious Metals, Metals Clad with Precious Metal, and Articles Thereof; Imitation Jewellery; Coin	2,018.8	154.2	2,173.0
15	Base Metals and Articles of Base Metal	25,609.8	4,137.0	29,746.8
16	Machinery and Mechanical Appliances; Electrical Equipment; Parts Thereof; Sound Recorders and Reproducers, Television Image and Sound Recorders and Reproducers, and Parts and Accessories of Such Articles	14,638.7	2,259.0	16,897.7
17	Vehicles, Aircraft, Vessels and Associated Transport Equipment	2,943.9	301.4	3,245.3
18	Optical, Photographic, Cinematographic, Measuring, Checking, Precision, Medical or Surgical Instruments and Apparatus; Clocks and Watches; Musical Instruments; Parts and Accessories Thereof	236.1	87.1	323.2
19	Arms and Ammunition; Parts and Accessories Thereof	16.7	0.0	16.7
20	Miscellaneous Manufactured Articles	4,537.9	826.2	5,364.1
21	Works of Art, Collectors' Pieces and Antiques	2.3	1.5	3.8
<b>D</b>	<b>Manufacturing Sector</b>	<b>175,071.3</b>	<b>76,161.4</b>	<b>251,232.7</b>

\* Large licensed establishments with capital of more than SR 1 million

<sup>1</sup> Harmonised System

**Table 2.1.9: Detailed intermediate consumption by industrial activity (ISIC R3), 2002 - Manufacturing Sector\* Million SR**

ISIC	Description	Raw materials used	Rent	Elect., water & fuels	Maintenance & repairs	Marketing expenses	Other	Intermediate consumption
151	Manufacture of basic food products	1,686.1	24.9	93.9	32.5	695.8	308.0	2,841.1
152	Manufacture of dairy products	1,639.8	23.6	110.2	53.9	269.0	554.5	2,651.0
153	Manufacture of grain mill products	669.9	7.4	11.9	5.1	147.3	30.1	871.7
154	Manufacture of other food products n.e.c.	2,527.4	27.7	86.3	91.9	366.7	627.7	3,727.7
155	Manufacture of beverages	2,226.1	18.2	59.5	57.1	462.2	577.1	3,400.4
17	Manufacture of textiles	1,483.6	11.6	63.6	35.6	96.0	72.8	1,763.2
18	Man. of wearing apparel, including fur	277.4	10.6	3.4	4.6	67.9	26.5	390.4
191	Tanning and dressing of leather	109.0	2.3	4.3	3.8	18.0	8.2	145.5
192	Manufacture of footwear	48.4	1.3	0.8	1.7	10.5	7.2	69.9
20	Man. of wood and w/products exc. furniture	1,214.3	6.1	7.9	8.7	186.6	25.6	1,449.1
21	Manufacture of paper and paper products	3,440.8	28.1	78.5	75.1	625.1	531.4	4,779.1
22	Printing and publishing, etc.	396.2	9.7	9.0	17.1	288.9	114.1	835.1
232	Manufacture of refined petroleum products	85,207.6	218.8	1,312.3	463.4	1,594.9	494.7	89,291.7
241	Manufacture of basic chemicals	15,449.0	48.2	2,353.2	756.3	2,890.3	1,245.8	22,742.9
242	Man. of pesticides and similar products	2,474.5	33.8	66.7	59.9	649.6	615.4	3,899.9
251	Manufacture of other rubber products	834.6	3.9	131.1	37.8	244.5	40.7	1,292.6
252	Manufacture of plastics products	3,122.9	37.0	143.8	108.2	497.1	249.1	4,158.1
261	Manufacture of glass and glass products	747.8	9.9	102.7	51.0	282.9	92.4	1,286.7
269	Man. of non-metallic mineral products n.e.c.	2,228.2	70.7	858.1	426.8	1,659.6	356.6	5,600.1
27	Manufacture of basic metals	8,731.0	15.4	50.7	478.0	1,066.2	161.0	10,502.3
281	Manufacture of structural metal products	3,545.9	48.8	96.5	125.4	797.4	169.2	4,783.3
289	Man. of other fabricated metal products, etc.	3,282.3	38.7	73.6	73.3	414.1	397.5	4,279.5
29	Manufacture of machinery and equipment	2,755.4	22.7	35.1	32.0	499.2	226.8	3,571.1
31	Man. of electrical machinery and apparatus	7,119.9	53.4	109.3	186.9	1,486.5	313.4	9,269.4
321	Manufacture of electronic valves, etc.	258.7	2.1	2.4	0.0	47.8	22.7	333.7
33	Man. of watches and clocks, etc.	220.3	24.0	9.9	1.3	17.3	17.2	290.0
34	Manufacture of motor vehicles, etc.	1,224.0	15.4	18.3	13.9	179.3	31.3	1,482.3
35	Manufacture of transport equipment	40.1	7.3	3.1	1.8	474.8	0.5	527.7
361	Manufacture of furniture	904.7	18.4	22.0	26.6	319.4	80.0	1,371.2
369	Other manufacturing n.e.c.	898.8	6.0	6.5	5.9	81.2	58.1	1,056.5
<b>D</b>	<b>Manufacturing Sector</b>	<b>154,764.8</b>	<b>845.9</b>	<b>5,924.8</b>	<b>3,235.8</b>	<b>16,436.3</b>	<b>7,455.4</b>	<b>188,663.0</b>

\* Large licensed establishments with capital of more than SR 1 million



**Table 2.1.10: Electricity, water and fuels consumed by industrial activity (ISIC R3), 2002 - Manufacturing Sector\* Million SR**

ISIC	Description	Electricity	Water	Fuels	Total
151	Manufacture of basic food products	23.3	5.0	65.6	93.9
152	Manufacture of dairy products	29.6	14.9	65.7	110.2
153	Manufacture of grain mill products	6.1	1.7	4.1	11.9
154	Manufacture of other food products n.e.c.	30.0	5.6	50.6	86.3
155	Manufacture of beverages	23.5	12.0	24.1	59.5
17	Manufacture of textiles	30.3	9.1	24.3	63.6
18	Man. of wearing apparel, including fur	1.6	0.2	1.5	3.4
191	Tanning and dressing of leather	2.0	0.9	1.4	4.3
192	Manufacture of footwear	0.4	0.1	0.3	0.8
20	Man. of wood and w/products exc. furniture	3.0	0.7	4.3	7.9
21	Manufacture of paper and paper products	52.1	6.7	19.7	78.5
22	Printing and publishing, etc.	5.5	1.0	2.6	9.0
232	Manufacture of refined petroleum products	342.5	204.2	765.5	1,312.3
241	Manufacture of basic chemicals	1,017.4	306.8	1,029.0	2,353.2
242	Man. of pesticides and similar products	38.2	8.2	20.3	66.7
251	Manufacture of other rubber products	57.2	31.5	42.5	131.1
252	Manufacture of plastics products	109.9	7.9	26.0	143.8
261	Manufacture of glass and glass products	39.7	9.2	53.9	102.7
269	Man. of non-metallic mineral products n.e.c.	280.4	42.0	535.7	858.1
27	Manufacture of basic metals	30.0	4.8	16.0	50.7
281	Manufacture of structural metal products	51.6	6.7	38.2	96.5
289	Man. of other fabricated metal products, etc.	37.2	7.4	28.9	73.6
29	Manufacture of machinery and equipment	19.7	3.5	11.9	35.1
31	Man. of electrical machinery and apparatus	77.8	8.6	22.8	109.3
321	Manufacture of electronic valves, etc.	1.6	0.1	0.7	2.4
33	Man. of watches and clocks, etc.	5.5	0.6	3.7	9.9
34	Manufacture of motor vehicles, etc.	9.3	2.3	6.7	18.3
35	Manufacture of transport equipment	2.5	0.2	0.4	3.1
361	Manufacture of furniture	12.1	2.4	7.5	22.0
369	Other manufacturing n.e.c.	3.5	0.8	2.2	6.5
<b>D</b>	<b>Manufacturing Sector</b>	<b>2,343.6</b>	<b>705.2</b>	<b>2,876.0</b>	<b>5,924.8</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 2.1.11: Raw materials used by activity (ISIC R3), type and origin: 2002 - Manufacturing Sector\***

Million SR

ISIC R3	Description	Basic and intermediate		Packing and packaging		Grand total		
		Local	Import	Local	Import	Local	Import	Total
151	Manufacture of basic food products	508.5	855.5	257.4	64.7	765.9	920.2	1,686.1
152	Manufacture of dairy products	278.3	741.5	551.0	68.9	829.3	810.5	1,639.8
153	Manufacture of grain mill products	141.7	504.0	24.3	0.0	165.9	504.0	669.9
154	Manufacture of other food products n.e.c.	552.4	1,595.6	310.0	69.5	862.3	1,665.0	2,527.4
155	Manufacture of beverages	468.6	736.0	966.5	55.0	1,435.1	791.0	2,226.1
17	Manufacture of textiles	839.4	613.0	27.0	4.2	866.4	617.2	1,483.6
18	Man. of wearing apparel, including fur	138.0	127.8	5.7	5.8	143.7	133.6	277.4
191	Tanning and dressing of leather	51.7	56.2	1.1	0.0	52.7	56.3	109.0
192	Manufacture of footwear	10.7	36.8	0.9	0.0	11.6	36.8	48.4
20	Man. of wood and w/products exc. furniture	74.9	1,133.5	2.7	3.1	77.6	1,136.7	1,214.3
21	Manufacture of paper and paper products	835.2	2,359.2	208.5	37.9	1,043.7	2,397.1	3,440.8
22	Printing and publishing, etc.	213.1	169.7	13.2	0.2	226.3	170.0	396.2
232	Manufacture of refined petroleum products	84,297.9	495.9	413.6	0.2	84,711.5	496.0	85,207.6
241	Manufacture of basic chemicals	13,604.7	1,376.7	450.7	16.8	14,055.4	1,393.6	15,449.0
242	Man. of pesticides and similar products	658.8	1,379.0	349.5	87.2	1,008.4	1,466.2	2,474.5
251	Manufacture of other rubber products	662.3	136.0	34.3	2.0	696.6	138.0	834.6
252	Manufacture of plastics products	2,221.5	778.8	108.2	14.4	2,329.7	793.2	3,122.9
261	Manufacture of glass and glass products	341.6	299.0	100.7	6.4	442.3	305.4	747.8
269	Man. of non-metallic mineral products n.e.c.	1,683.3	383.6	119.0	42.4	1,802.3	426.0	2,228.2
27	Manufacture of basic metals	4,843.5	3,870.6	16.4	0.4	4,859.9	3,871.0	8,731.0
281	Manufacture of structural metal products	1,377.0	2,101.6	51.1	16.3	1,428.1	2,117.8	3,545.9
289	Man. of other fabricated metal products, etc.	2,058.5	1,179.7	42.1	1.9	2,100.6	1,181.6	3,282.3
29	Manufacture of machinery and equipment	959.1	1,749.3	45.7	1.4	1,004.7	1,750.6	2,755.4
31	Man. of electrical machinery and apparatus	1,213.6	5,489.5	364.8	51.9	1,578.4	5,541.4	7,119.9
321	Manufacture of electronic valves, etc.	78.1	166.0	14.7	0.0	92.7	166.0	258.7
33	Man. of watches and clocks, etc.	39.9	178.4	1.4	0.7	41.2	179.1	220.3
34	Manufacture of motor vehicles, etc.	252.1	967.7	4.2	0.0	256.3	967.7	1,224.0
35	Manufacture of transport equipment	5.9	34.0	0.3	0.0	6.2	34.0	40.1
361	Manufacture of furniture	498.0	395.8	10.5	0.5	508.4	396.3	904.7
369	Other manufacturing n.e.c.	231.7	662.3	4.6	0.2	236.3	662.5	898.8
<b>D</b>	<b>Manufacturing Sector</b>	<b>119,139.9</b>	<b>30,572.7</b>	<b>4,500.0</b>	<b>552.2</b>	<b>123,639.9</b>	<b>31,124.9</b>	<b>154,764.8</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 2.1.12: Raw materials used by product and origin, 2002 - Manufacturing Sector\***

Million SR

Section (H/System) <sup>1</sup>	Description	Raw materials used		
		Local	Imports	Total
1	Live Animals; Animal Products	1,268.7	1,107.3	2,376.0
2	Vegetable Products	913.8	1,297.5	2,211.3
3	Animal or Vegetable Fats and Oils and Their Cleavage Products; Prepared Edible Fats; Animal or Vegetable Waxes	117.9	675.7	793.6
4	Prepared Foodstuffs; Beverages, Spirits, and Vinegar; Tobacco and Manufactured Tobacco Substitutes	1,954.1	2,644.2	4,598.3
5	Mineral Products	73,783.3	715.8	74,499.2
6	Products of the Chemical or Allied Industries	15,006.3	3,789.5	18,795.8
7	Plastics and Articles Thereof; Rubber and Articles Thereof	7,391.3	2,063.6	9,454.9
8	Raw Hides and Skins, Leather, Furskins and Articles Thereof; Saddlery and Harness; Travel Goods, Handbags, and Similar Containers, etc.	96.3	21.1	117.5
9	Wood and Articles of Wood; Wood Charcoal; Cork and Articles of Cork; Manufactures of Straw, of Esparto or of Other Plaiting Materials; Basketware and Wickerwork	933.8	1,011.1	1,944.9
10	Pulp of Wood or of other Fibrous Cellulosic Material; Waste and Scrap of Paper or Paperboard; Paper and Paperboard and Articles Thereof	2,788.1	2,351.2	5,139.3
11	Textiles and Textile Articles	1,337.9	919.3	2,257.2
12	Footwear, Headgear, Umbrellas, Sun Umbrellas, Walking-Sticks, Seat-Sticks, Whips, Riding-Crops and Parts Thereof; Prepared Feathers and Articles Made Therewith; Artificial Flowers; Articles of Human Hair	0.3	20.1	20.4
13	Articles of Stone, Plaster, Cement, Asbestos, Mica or Similar Materials; Ceramic Products; Glass and Glassware	865.6	275.2	1,140.8
14	Natural or Cultured Pearls, Precious or Semiprecious Stones, Precious Metals, Metals Clad with Precious Metal, and Articles Thereof; Imitation Jewellery; Coin	452.3	970.2	1,422.5
15	Base Metals and Articles of Base Metal	15,279.3	10,423.3	25,702.6
16	Machinery and Mechanical Appliances; Electrical Equipment; Parts Thereof; Sound Recorders and Reproducers, Television Image and Sound Recorders and Reproducers, and Parts and Accessories of Such Articles	1,293.4	1,890.3	3,183.7
17	Vehicles, Aircraft, Vessels and Associated Transport Equipment	87.7	741.1	828.8
18	Optical, Photographic, Cinematographic, Measuring, Checking, Precision, Medical or Surgical Instruments and Apparatus; Clocks and Watches; Musical Instruments and Accessories Thereof	48.3	141.1	189.4
19	Arms and Ammunition; Parts and Accessories Thereof	5.5	0.8	6.2
20	Miscellaneous Manufactured Articles	20.0	64.3	84.3
21	Works of Art, Collectors' Pieces and Antiques	1.3	3.0	4.3
<b>D</b>	<b>Manufacturing Sector</b>	<b>123,644.0</b>	<b>31,122.6</b>	<b>154,766.7</b>

\* Large licensed establishments with capital of more than SR 1 million

<sup>1</sup> Harmonised System

**Table 2.1.13: Wages and salaries by activity, employment status and nationality, 2002 - Manufacturing Sector\* Million SR**

ISIC R3	Description	Administrative & clerical		Professional		Technical		Other		Total		
		Saudi	Non-Saudi	Saudi	Non-Saudi	Saudi	Non-Saudi	Saudi	Non-Saudi	Saudi	Non-Saudi	Total
151	Manufacture of basic food products	53.3	67.8	3.6	11.3	18.1	61.7	16.0	30.7	91.0	171.6	262.6
152	Manufacture of dairy products	69.8	247.8	6.4	30.4	20.6	70.4	27.3	59.0	124.1	407.6	531.6
153	Manufacture of grain mill products	22.0	19.4	3.5	5.8	3.9	13.0	4.3	13.4	33.7	51.7	85.3
154	Manufacture of other food products n.e.c.	91.3	149.7	6.5	20.7	30.8	161.5	12.8	49.0	141.4	381.0	522.4
155	Manufacture of beverages	50.2	99.3	1.2	13.7	19.6	71.2	20.8	66.7	91.7	250.8	342.6
17	Manufacture of textiles	27.6	23.9	3.0	11.9	13.9	70.7	13.8	39.7	58.3	146.2	204.5
18	Man. of wearing apparel, including fur	14.6	14.3	0.7	5.6	13.4	57.7	2.7	6.4	31.3	84.0	115.3
191	Tanning and dressing of leather	3.1	2.7	0.0	0.7	0.0	10.3	0.7	8.5	3.8	22.1	25.9
192	Manufacture of footwear	2.2	2.7	0.4	1.5	0.7	3.5	0.3	2.3	3.6	9.9	13.5
20	Man. of wood and w/products exc. furniture	19.6	17.4	1.5	6.8	5.2	25.8	3.6	10.8	29.9	60.8	90.7
21	Manufacture of paper and paper products	80.3	189.2	4.9	36.0	44.3	175.6	30.9	59.4	160.3	460.1	620.4
22	Printing and publishing, etc.	95.2	41.0	6.6	6.0	8.0	62.7	5.3	15.4	115.1	125.2	240.2
232	Manufacture of refined petroleum products	312.3	54.4	146.1	42.6	686.9	74.1	152.4	49.0	1,297.7	220.1	1,517.8
241	Manufacture of basic chemicals	454.2	185.8	457.2	125.1	1,293.5	219.7	126.8	17.8	2,331.6	548.4	2,880.0
242	Man. of pesticides and similar products	154.1	212.8	16.2	49.7	54.0	131.4	23.0	46.0	247.2	439.8	687.0
251	Manufacture of other rubber products	23.1	20.0	11.6	9.8	32.8	28.4	3.8	2.7	71.2	61.1	132.3
252	Manufacture of plastics products	109.7	127.6	14.2	39.4	39.1	224.1	28.2	94.4	191.1	485.5	676.6
261	Manufacture of glass and glass products	32.3	51.0	4.4	17.9	34.2	104.6	11.9	26.9	82.8	200.4	283.1
269	Man. of non-metallic mineral products n.e.c.	208.6	164.6	21.2	81.0	147.9	337.7	81.1	160.0	458.8	743.4	1,202.2
27	Manufacture of basic metals	485.9	98.3	187.2	146.7	193.2	138.2	60.1	32.4	926.4	415.6	1,342.1
281	Manufacture of structural metal products	99.4	173.3	17.5	90.7	69.6	292.1	27.1	60.1	213.6	616.2	829.8
289	Man. of other fabricated metal products, etc.	73.3	88.5	9.3	39.6	37.7	194.0	22.5	53.8	142.8	375.9	518.7
29	Manufacture of machinery and equipment	63.5	100.5	12.1	53.0	48.1	124.9	10.5	29.3	134.1	307.7	441.8
31	Man. of electrical machinery and apparatus	124.4	244.8	29.5	130.3	81.4	204.5	29.5	34.7	264.8	614.4	879.3
321	Manufacture of electronic valves, etc.	23.6	20.4	0.0	12.3	3.0	19.2	0.8	3.4	27.4	55.3	82.7
33	Man. of watches and clocks, etc.	23.2	37.6	0.0	7.2	5.6	31.9	2.5	4.7	31.3	81.4	112.8
34	Manufacture of motor vehicles, etc.	33.5	35.5	2.3	12.7	13.3	76.4	6.9	17.2	56.0	141.8	197.8
35	Manufacture of transport equipment	2.2	1.5	0.0	0.3	9.6	12.2	0.3	0.5	12.2	14.6	26.7
361	Manufacture of furniture	47.3	57.8	8.8	17.0	16.7	96.5	11.0	39.7	83.8	210.9	294.7
369	Other manufacturing n.e.c.	23.1	18.8	0.6	6.3	3.2	52.5	3.5	10.7	30.4	88.4	118.7
<b>D</b>	<b>Manufacturing Sector</b>	<b>2,822.7</b>	<b>2,568.5</b>	<b>976.5</b>	<b>1,032.2</b>	<b>2,948.0</b>	<b>3,146.6</b>	<b>740.4</b>	<b>1,044.4</b>	<b>7,487.5</b>	<b>7,791.7</b>	<b>15,279.2</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 2.1.14: Value of fixed assets at end of 2002 by industrial activity - Manufacturing Sector\***

Million SR

ISIC R3	Description	Land	Buildings	Plant & equipment	Under construction	Motor vehicles	Other	Total
151	Manufacture of basic food products	70.4	480.1	699.6	55.5	130.7	142.2	1,578.5
152	Manufacture of dairy products	1,095.9	405.4	865.4	290.4	82.4	728.7	3,468.3
153	Manufacture of grain mill products	18.6	32.9	247.3	8.9	266.8	24.1	598.6
154	Manufacture of other food products n.e.c.	93.3	764.7	1,421.1	150.1	246.0	271.8	2,947.1
155	Manufacture of beverages	211.4	329.6	797.8	102.7	21.2	525.8	1,988.5
17	Manufacture of textiles	32.3	371.9	940.5	17.6	60.9	77.7	1,500.8
18	Man. of wearing apparel, including fur	30.8	54.6	65.4	8.3	0.2	121.8	281.1
191	Tanning and dressing of leather	8.5	36.5	22.4	3.8	34.8	3.0	109.0
192	Manufacture of footwear	4.5	13.9	5.9	0.8	0.0	1.2	26.3
20	Man. of wood and w/products exc. furniture	13.1	112.7	62.7	14.7	1.4	45.5	250.1
21	Manufacture of paper and paper products	57.4	769.0	1,806.3	54.3	91.1	232.4	3,010.5
22	Printing and publishing, etc.	169.9	281.4	397.1	7.2	306.2	40.4	1,202.1
232	Manufacture of refined petroleum products	322.2	2,639.8	9,107.3	132.8	125.9	1,687.0	14,014.9
241	Manufacture of basic chemicals	246.0	6,688.8	54,477.2	168.1	1,985.9	1,805.3	65,371.3
242	Man. of pesticides and similar products	73.5	1,044.0	1,123.4	76.5	49.0	190.9	2,557.2
251	Manufacture of other rubber products	0.4	782.5	5,684.9	5.5	35.4	16.8	6,525.5
252	Manufacture of plastics products	105.9	1,040.9	2,130.6	82.3	156.3	198.3	3,714.3
261	Manufacture of glass and glass products	71.1	443.8	1,647.3	14.8	43.0	50.5	2,270.5
269	Man. of non-metallic mineral products n.e.c.	454.7	3,369.2	6,518.3	688.4	677.9	1,833.7	13,542.2
27	Manufacture of basic metals	23.5	500.9	6,623.5	10,082.5	30.5	266.1	17,526.9
281	Manufacture of structural metal products	99.3	872.7	1,318.2	55.6	114.5	319.9	2,780.2
289	Man. of other fabricated metal products, etc.	442.3	574.1	1,020.2	719.0	187.7	181.4	3,124.8
29	Manufacture of machinery and equipment	90.6	475.5	440.3	30.7	26.7	110.0	1,173.7
31	Man. of electrical machinery and apparatus	106.3	1,354.5	2,278.3	37.2	141.0	154.9	4,072.2
321	Manufacture of electronic valves, etc.	0.0	53.8	51.2	2.8	0.0	32.6	140.4
33	Man. of watches and clocks, etc.	47.6	58.1	100.0	8.1	0.0	101.2	314.9
34	Manufacture of motor vehicles, etc.	74.1	209.2	278.8	17.7	25.1	49.1	654.1
35	Manufacture of transport equipment	0.0	290.6	16.0	2.4	0.0	9.3	318.4
361	Manufacture of furniture	89.6	354.4	241.8	40.8	22.1	87.5	836.2
369	Other manufacturing n.e.c.	101.6	138.4	56.9	7.8	24.4	50.5	379.6
<b>D</b>	<b>Manufacturing Sector</b>	<b>4,154.9</b>	<b>24,543.5</b>	<b>100,445.7</b>	<b>12,887.3</b>	<b>4,887.4</b>	<b>9,359.3</b>	<b>156,278.0</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 2.1.15: Change in stock\* by industrial activity (ISIC R3), 2002 - Manufacturing Sector\***

Million SR

ISIC R3	Description	Raw materials	Work in progress	Finished products	Spare parts	Total
151	Manufacture of basic food products	77.7	16.5	7.0	8.0	109.3
152	Manufacture of dairy products	-20.6	23.0	6.0	0.5	9.0
153	Manufacture of grain mill products	-14.5	13.3	5.6	0.0	4.4
154	Manufacture of other food products n.e.c.	3.4	23.5	8.6	-8.8	26.7
155	Manufacture of beverages	13.4	6.9	-3.7	6.5	23.1
17	Manufacture of textiles	57.8	-30.0	14.2	-1.3	40.8
18	Man. of wearing apparel, including fur	20.0	0.6	9.3	-0.4	29.5
191	Tanning and dressing of leather	2.6	-0.2	2.9	0.1	5.3
192	Manufacture of footwear	-1.5	0.0	-1.5	0.1	-2.8
20	Man. of wood and w/products exc. furniture	39.5	14.1	26.2	-0.4	79.4
21	Manufacture of paper and paper products	-56.4	-2.8	-5.6	12.5	-52.4
22	Printing and publishing, etc.	8.2	-2.3	3.2	-0.4	8.6
232	Manufacture of refined petroleum products	58.8	5.6	870.1	-378.6	556.0
241	Manufacture of basic chemicals	14.6	0.2	36.8	72.9	124.4
242	Man. of pesticides and similar products	77.2	28.1	65.6	4.7	175.6
251	Manufacture of other rubber products	-45.4	3.4	101.8	15.8	75.6
252	Manufacture of plastics products	57.8	-11.2	15.3	2.9	64.8
261	Manufacture of glass and glass products	12.1	12.8	-6.0	8.7	27.7
269	Man. of non-metallic mineral products n.e.c.	90.3	-87.8	-179.2	-15.5	-192.1
27	Manufacture of basic metals	-178.5	822.0	-60.6	-35.9	547.1
281	Manufacture of structural metal products	-15.8	-3.9	-84.0	-1.8	-105.5
289	Man. of other fabricated metal products, etc.	131.7	11.8	5.3	7.9	156.7
29	Manufacture of machinery and equipment	82.8	-2.7	-7.9	-2.7	69.5
31	Man. of electrical machinery and apparatus	34.4	-33.6	-26.1	-8.5	-33.9
321	Manufacture of electronic valves, etc.	0.0	243.2	0.0	0.0	243.2
33	Man. of watches and clocks, etc.	-16.3	1.3	-6.5	13.4	-8.0
34	Manufacture of motor vehicles, etc.	65.7	11.8	4.8	-1.8	80.5
35	Manufacture of transport equipment	-1.3	-0.2	0.0	-0.7	-2.1
361	Manufacture of furniture	37.6	17.9	10.7	4.9	71.1
369	Other manufacturing n.e.c.	-28.2	50.0	-77.9	-0.3	-56.5
<b>D</b>	<b>Manufacturing Sector</b>	<b>507.2</b>	<b>1,131.5</b>	<b>734.4</b>	<b>-298.2</b>	<b>2,074.8</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 2.2.1: Principal indicators of the Manufacturing Sector\* - Industrial Survey, 2001**

Million SR

ISIC Rev. 3	Description	No. of establishments	No. of employees			Gross output	Value added	Compensation of employees		
			Saudis	Non-Saudis	Total			Saudis	Non-Saudis	Total
151	Manufacture of basic food products	146	1,581	7,878	9,459	3,298.1	745.4	86.7	183.8	270.5
152	Manufacture of dairy products	69	2,465	11,385	13,850	4,062.1	1,515.5	209.1	279.3	488.4
153	Manufacture of grain mill products	50	443	1,776	2,219	1,355.0	261.1	25.6	42.0	67.6
154	Manufacture of other food products n.e.c.	214	2,051	12,628	14,679	5,657.1	1,770.8	140.9	384.3	525.2
155	Manufacture of beverages	82	2,396	12,249	14,645	4,646.8	1,172.1	85.7	226.5	312.3
17	Manufacture of textiles	74	1,614	8,278	9,892	2,367.6	746.6	54.8	126.3	181.1
18	Man. of wearing apparel, including fur	60	811	4,789	5,600	550.7	194.3	30.3	82.3	112.5
191	Tanning and dressing of leather	22	92	1,800	1,892	203.7	50.9	4.1	20.8	24.9
192	Manufacture of footwear	16	86	759	845	97.2	19.1	3.7	9.4	13.1
20	Man. of wood and w/products exc. furniture	48	528	3,074	3,602	1,688.1	279.0	25.4	64.2	89.6
21	Manufacture of paper and paper products	156	3,104	14,584	17,688	6,677.7	1,888.2	149.9	444.7	594.6
22	Printing and publishing, etc.	58	1,382	4,318	5,700	1,483.4	635.7	114.3	123.8	238.1
232	Manufacture of refined petroleum products	31	6,271	2,279	8,550	102,931.8	17,569.0	1,130.8	240.9	1,371.7
241	Manufacture of basic chemicals	58	11,385	6,329	17,714	36,759.5	13,003.8	2,194.2	576.9	2,771.1
242	Man. of pesticides and similar products	280	3,064	10,055	13,119	5,643.4	1,754.7	228.2	431.0	659.3
251	Manufacture of other rubber products	30	677	1,553	2,230	1,220.9	207.3	51.9	62.4	114.3
252	Manufacture of plastics products	370	4,081	24,458	28,539	5,894.5	1,746.7	183.0	453.1	636.1
261	Manufacture of glass and glass products	79	1,512	5,044	6,556	2,257.4	900.0	86.0	189.7	275.7
269	Man. of non-metallic mineral products n.e.c.	505	8,026	31,811	39,837	10,105.0	5,092.0	437.4	745.9	1,183.3
27	Manufacture of basic metals	72	5,452	8,703	14,155	12,247.4	2,230.7	976.7	370.9	1,347.7
281	Manufacture of structural metal products	223	3,722	19,042	22,764	6,591.9	1,996.8	201.1	629.1	830.2
289	Man. of other fabricated metal products, etc.	248	3,145	17,387	20,532	5,625.0	1,348.1	138.2	369.4	507.6
29	Manufacture of machinery and equipment	142	2,306	11,612	13,918	4,588.6	1,127.4	117.9	306.2	424.0
31	Man. of electrical machinery and apparatus	91	3,990	15,366	19,356	12,558.0	2,772.7	234.0	656.3	890.3
321	Manufacture of electronic valves, etc.	24	353	1,791	2,144	784.4	456.8	27.0	57.2	84.2
33	Man. of watches and clocks, etc.	52	1,162	3,662	4,824	505.5	200.2	28.0	69.6	97.6
34	Manufacture of motor vehicles, etc.	95	1,306	7,025	8,331	1,973.1	370.8	52.1	143.1	195.2
35	Manufacture of transport equipment	3	1,522	1,235	2,757	561.8	163.3	11.7	13.8	25.6
361	Manufacture of furniture	196	1,794	10,961	12,755	1,922.1	610.5	86.9	203.3	290.2
369	Other manufacturing n.e.c.	37	676	4,074	4,750	1,536.2	268.7	25.5	90.2	115.8
<b>D</b>	<b>Manufacturing Sector</b>	<b>3,531</b>	<b>76,998</b>	<b>265,904</b>	<b>342,902</b>	<b>245,794.0</b>	<b>61,098.4</b>	<b>7,141.0</b>	<b>7,596.5</b>	<b>14,737.6</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 2.2.2: Operation ratios of the Manufacturing Sector\* - Industrial Survey, 2001**

Value in 000 SR

ISIC	Description	Number of establishments	Gross output (GO) per		Value added as a % of G/Output	Value added per		Comp. of employees	
			establishment	employee		establishment	employee	per employee	as a % of VA
151	Manufacture of basic food products	146	22,589	348.7	22.6	5,105	78.8	28.6	36.3
152	Manufacture of dairy products	69	58,870	293.3	37.3	21,964	109.4	35.3	32.2
153	Manufacture of grain mill products	50	27,100	610.6	19.3	5,222	117.7	30.4	25.9
154	Manufacture of other food products n.e.c.	214	26,435	385.4	31.3	8,275	120.6	35.8	29.7
155	Manufacture of beverages	82	56,668	317.3	25.2	14,294	80.0	21.3	26.6
17	Manufacture of textiles	74	31,995	239.3	31.5	10,090	75.5	18.3	24.3
18	Man. of wearing apparel, including fur	60	9,178	98.3	35.3	3,238	34.7	20.1	57.9
191	Tanning and dressing of leather	22	9,260	107.7	25.0	2,316	26.9	13.1	48.8
192	Manufacture of footwear	16	6,076	115.1	19.7	1,195	22.6	15.5	68.5
20	Man. of wood and w/products exc. furniture	48	35,169	468.7	16.5	5,812	77.5	24.9	32.1
21	Manufacture of paper and paper products	156	42,806	377.5	28.3	12,104	106.8	33.6	31.5
22	Printing and publishing, etc.	58	25,576	260.2	42.9	10,961	111.5	41.8	37.5
232	Manufacture of refined petroleum products	31	3,320,379	12,038.8	17.1	566,741	2,054.9	160.4	7.8
241	Manufacture of basic chemicals	58	633,785	2,075.2	35.4	224,204	734.1	156.4	21.3
242	Man. of pesticides and similar products	280	20,155	430.2	31.1	6,267	133.8	50.3	37.6
251	Manufacture of other rubber products	30	40,698	547.5	17.0	6,910	93.0	51.3	55.1
252	Manufacture of plastics products	370	15,931	206.5	29.6	4,721	61.2	22.3	36.4
261	Manufacture of glass and glass products	79	28,575	344.3	39.9	11,392	137.3	42.1	30.6
269	Man. of non-metallic mineral products n.e.c.	505	20,010	253.7	50.4	10,083	127.8	29.7	23.2
27	Manufacture of basic metals	72	170,102	865.2	18.2	30,983	157.6	95.2	60.4
281	Manufacture of structural metal products	223	29,560	289.6	30.3	8,954	87.7	36.5	41.6
289	Man. of other fabricated metal products, etc.	248	22,682	274.0	24.0	5,436	65.7	24.7	37.7
29	Manufacture of machinery and equipment	142	32,314	329.7	24.6	7,939	81.0	30.5	37.6
31	Man. of electrical machinery and apparatus	91	138,000	648.8	22.1	30,470	143.2	46.0	32.1
321	Manufacture of electronic valves, etc.	24	32,684	365.9	58.2	19,035	213.1	39.3	18.4
33	Man. of watches and clocks, etc.	52	9,720	104.8	39.6	3,851	41.5	20.2	48.8
34	Manufacture of motor vehicles, etc.	95	20,770	236.8	18.8	3,903	44.5	23.4	52.6
35	Manufacture of transport equipment	3	187,264	203.8	29.1	54,423	59.2	9.3	15.7
361	Manufacture of furniture	196	9,807	150.7	31.8	3,115	47.9	22.8	47.5
369	Other manufacturing n.e.c.	37	41,520	323.4	17.5	7,262	56.6	24.4	43.1
<b>D</b>	<b>Manufacturing Sector</b>	<b>3,531</b>	<b>69,610</b>	<b>716.8</b>	<b>24.9</b>	<b>17,303</b>	<b>178.2</b>	<b>43.0</b>	<b>24.1</b>

\* Large licensed establishments with capital of more than SR 1 million



**Table 2.2.3: Production account by industrial activity (ISIC R3), 2001 - Manufacturing Sector\***

**Million SR**

ISIC R3	Description	Employment	Gross output	Intermediate consumption	Value added	Taxes on production	Compensation of employees	Gross operating surplus
151	Manufacture of basic food products	9,459	3,298.1	2,552.7	745.4	16.2	270.5	458.7
152	Manufacture of dairy products	13,850	4,062.1	2,546.5	1,515.5	11.6	488.4	1,015.5
153	Manufacture of grain mill products	2,219	1,355.0	1,093.9	261.1	0.7	67.6	192.8
154	Manufacture of other food products n.e.c.	14,679	5,657.1	3,886.3	1,770.8	10.1	525.2	1,235.6
155	Manufacture of beverages	14,645	4,646.8	3,474.6	1,172.1	2.1	312.3	857.8
17	Manufacture of textiles	9,892	2,367.6	1,621.0	746.6	1.5	181.1	564.1
18	Man. of wearing apparel, including fur	5,600	550.7	356.4	194.3	1.2	112.5	80.6
191	Tanning and dressing of leather	1,892	203.7	152.8	50.9	0.2	24.9	25.8
192	Manufacture of footwear	845	97.2	78.1	19.1	0.0	13.1	6.0
20	Man. of wood and w/products exc. furniture	3,602	1,688.1	1,409.1	279.0	0.9	89.6	188.5
21	Manufacture of paper and paper products	17,688	6,677.7	4,789.4	1,888.2	10.1	594.6	1,283.5
22	Printing and publishing, etc.	5,700	1,483.4	847.7	635.7	2.4	238.1	395.2
232	Manufacture of refined petroleum products	8,550	102,931.8	85,362.8	17,569.0	85.2	1,371.7	16,112.0
241	Manufacture of basic chemicals	17,714	36,759.5	23,755.7	13,003.8	121.9	2,771.1	10,110.9
242	Man. of pesticides and similar products	13,119	5,643.4	3,888.8	1,754.7	28.7	659.3	1,066.7
251	Manufacture of other rubber products	2,230	1,220.9	1,013.6	207.3	27.1	114.3	65.8
252	Manufacture of plastics products	28,539	5,894.5	4,147.8	1,746.7	20.6	636.1	1,089.9
261	Manufacture of glass and glass products	6,556	2,257.4	1,357.4	900.0	17.9	275.7	606.3
269	Man. of non-metallic mineral products n.e.c.	39,837	10,105.0	5,013.0	5,092.0	87.7	1,183.3	3,821.0
27	Manufacture of basic metals	14,155	12,247.4	10,016.6	2,230.7	0.7	1,347.7	882.4
281	Manufacture of structural metal products	22,764	6,591.9	4,595.1	1,996.8	8.5	830.2	1,158.1
289	Man. of other fabricated metal products, etc.	20,532	5,625.0	4,276.9	1,348.1	4.9	507.6	835.6
29	Manufacture of machinery and equipment	13,918	4,588.6	3,461.2	1,127.4	19.6	424.0	683.7
31	Man. of electrical machinery and apparatus	19,356	12,558.0	9,785.2	2,772.7	15.9	890.3	1,866.6
321	Manufacture of electronic valves, etc.	2,144	784.4	327.6	456.8	0.0	84.2	372.6
33	Man. of watches and clocks, etc.	4,824	505.5	305.2	200.2	0.9	97.6	101.7
34	Manufacture of motor vehicles, etc.	8,331	1,973.1	1,602.3	370.8	2.1	195.2	173.6
35	Manufacture of transport equipment	2,757	561.8	398.5	163.3	41.1	25.6	96.6
361	Manufacture of furniture	12,755	1,922.1	1,311.7	610.5	3.6	290.2	316.7
369	Other manufacturing n.e.c.	4,750	1,536.2	1,267.5	268.7	0.5	115.8	152.4
<b>D</b>	<b>Manufacturing Sector</b>	<b>342,902</b>	<b>245,794.0</b>	<b>184,695.6</b>	<b>61,098.4</b>	<b>544.1</b>	<b>14,737.6</b>	<b>45,816.7</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 2.2.4: Components of gross output by industrial activity (ISIC R3), 2001 - Manufacturing Sector\***

Million SR

ISIC R3	Description	Sale of goods produced			Change in stocks	Other income	Gross output
		Exports	Local market	Total			
151	Manufacture of basic food products	59.0	3,222.1	3,281.1	-45.9	62.9	<b>3,298.1</b>
152	Manufacture of dairy products	657.1	3,374.2	4,031.3	13.3	17.4	<b>4,062.1</b>
153	Manufacture of grain mill products	3.0	1,337.5	1,340.5	5.5	9.1	<b>1,355.0</b>
154	Manufacture of other food products n.e.c.	202.6	5,398.3	5,600.9	29.2	26.9	<b>5,657.1</b>
155	Manufacture of beverages	245.2	4,335.0	4,580.1	7.5	59.2	<b>4,646.8</b>
17	Manufacture of textiles	323.5	2,026.7	2,350.3	5.7	11.7	<b>2,367.6</b>
18	Man. of wearing apparel, including fur	0.3	546.7	547.0	1.3	2.3	<b>550.7</b>
191	Tanning and dressing of leather	67.3	131.6	198.9	4.5	0.2	<b>203.7</b>
192	Manufacture of footwear	14.7	81.0	95.7	1.4	0.1	<b>97.2</b>
20	Man. of wood and w/products exc. furniture	39.8	1,609.8	1,649.6	14.0	24.6	<b>1,688.1</b>
21	Manufacture of paper and paper products	470.1	6,115.3	6,585.3	24.1	68.3	<b>6,677.7</b>
22	Printing and publishing, etc.	0.9	1,408.3	1,409.2	-0.7	74.9	<b>1,483.4</b>
232	Manufacture of refined petroleum products	43,950.3	59,715.1	103,665.4	-1,127.2	393.6	<b>102,931.8</b>
241	Manufacture of basic chemicals	16,596.6	20,018.1	36,614.7	-78.5	223.2	<b>36,759.5</b>
242	Man. of pesticides and similar products	614.3	4,932.6	5,546.9	28.4	68.1	<b>5,643.4</b>
251	Manufacture of other rubber products	468.0	766.7	1,234.7	-17.5	3.7	<b>1,220.9</b>
252	Manufacture of plastics products	467.8	5,402.8	5,870.6	-46.6	70.5	<b>5,894.5</b>
261	Manufacture of glass and glass products	574.6	1,622.4	2,197.0	-20.6	81.0	<b>2,257.4</b>
269	Man. of non-metallic mineral products n.e.c.	784.2	9,094.6	9,878.8	-64.1	290.4	<b>10,105.0</b>
27	Manufacture of basic metals	1,069.4	11,994.3	13,063.8	-853.0	36.6	<b>12,247.4</b>
281	Manufacture of structural metal products	887.7	5,498.7	6,386.4	47.3	158.2	<b>6,591.9</b>
289	Man. of other fabricated metal products, etc.	950.8	4,637.2	5,588.0	-19.4	56.4	<b>5,625.0</b>
29	Manufacture of machinery and equipment	412.5	4,028.3	4,440.8	112.7	35.2	<b>4,588.6</b>
31	Man. of electrical machinery and apparatus	695.2	11,679.7	12,374.9	122.4	60.6	<b>12,558.0</b>
321	Manufacture of electronic valves, etc.	0.0	814.2	814.2	-34.3	4.5	<b>784.4</b>
33	Man. of watches and clocks, etc.	19.9	474.8	494.7	8.9	1.8	<b>505.5</b>
34	Manufacture of motor vehicles, etc.	355.5	1,635.1	1,990.6	-30.6	13.1	<b>1,973.1</b>
35	Manufacture of transport equipment	0.1	558.1	558.2	-0.2	3.7	<b>561.8</b>
361	Manufacture of furniture	13.8	1,869.0	1,882.8	28.5	10.9	<b>1,922.1</b>
369	Other manufacturing n.e.c.	61.6	1,535.4	1,597.0	-64.0	3.2	<b>1,536.2</b>
<b>D</b>	<b>Manufacturing Sector</b>	<b>70,005.9</b>	<b>175,863.8</b>	<b>245,869.7</b>	<b>-1,947.8</b>	<b>1,872.1</b>	<b>245,794.0</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 2.2.5: Detailed intermediate consumption by industrial activity (ISIC R3), 2001 - Manufacturing Sector\* Million SR**

ISIC	Description	Raw materials used	Rent	Elect., water & fuels	Maintenance & repairs	Marketing expenses	Other	Intermediate consumption
151	Manufacture of basic food products	1,774.9	27.2	164.1	30.4	274.2	281.9	2,552.7
152	Manufacture of dairy products	1,611.3	34.0	111.4	53.2	223.0	513.6	2,546.5
153	Manufacture of grain mill products	805.7	8.9	11.3	7.3	229.7	31.1	1,093.9
154	Manufacture of other food products n.e.c.	2,740.4	23.5	91.3	66.7	409.3	555.0	3,886.3
155	Manufacture of beverages	2,394.8	19.5	57.0	41.6	334.8	627.0	3,474.6
17	Manufacture of textiles	1,376.4	9.1	53.5	35.2	88.8	57.9	1,621.0
18	Man. of wearing apparel, including fur	247.3	11.7	2.6	3.9	67.1	23.6	356.4
191	Tanning and dressing of leather	125.2	1.0	4.3	3.1	11.5	7.6	152.8
192	Manufacture of footwear	54.1	1.6	0.6	1.4	12.7	7.6	78.1
20	Man. of wood and w/products exc. furniture	1,283.3	6.4	8.3	11.7	71.7	27.7	1,409.1
21	Manufacture of paper and paper products	3,370.9	25.3	69.9	91.9	625.7	605.7	4,789.4
22	Printing and publishing, etc.	429.8	8.7	8.1	10.4	268.8	121.8	847.7
232	Manufacture of refined petroleum products	81,472.5	219.9	1,170.4	696.6	1,377.2	426.1	85,362.8
241	Manufacture of basic chemicals	16,162.5	40.5	2,364.7	745.0	3,110.9	1,332.0	23,755.7
242	Man. of pesticides and similar products	2,552.5	29.1	67.1	57.9	602.0	580.2	3,888.8
251	Manufacture of other rubber products	517.0	4.4	117.0	110.6	236.2	28.5	1,013.6
252	Manufacture of plastics products	3,068.3	39.2	132.9	109.9	549.9	247.6	4,147.8
261	Manufacture of glass and glass products	805.1	10.5	108.2	65.4	298.8	69.4	1,357.4
269	Man. of non-metallic mineral products n.e.c.	1,972.4	62.9	871.4	386.2	1,378.3	341.9	5,013.0
27	Manufacture of basic metals	8,488.4	38.3	37.3	353.8	974.9	123.8	10,016.6
281	Manufacture of structural metal products	3,407.8	49.7	97.6	101.3	773.7	164.8	4,595.1
289	Man. of other fabricated metal products, etc.	3,308.4	28.0	74.0	75.4	392.0	399.1	4,276.9
29	Manufacture of machinery and equipment	2,699.1	20.2	31.2	28.5	488.2	194.0	3,461.2
31	Man. of electrical machinery and apparatus	7,848.5	53.5	125.3	211.3	1,228.3	318.3	9,785.2
321	Manufacture of electronic valves, etc.	268.8	0.9	2.4	0.0	24.4	31.1	327.6
33	Man. of watches and clocks, etc.	220.3	18.2	8.4	1.4	39.0	17.9	305.2
34	Manufacture of motor vehicles, etc.	1,282.4	13.6	18.9	14.6	245.7	27.1	1,602.3
35	Manufacture of transport equipment	36.3	6.0	2.7	4.6	348.3	0.5	398.5
361	Manufacture of furniture	884.0	18.4	21.6	26.4	287.4	73.9	1,311.7
369	Other manufacturing n.e.c.	1,064.9	6.0	7.2	5.8	104.1	79.6	1,267.5
<b>D</b>	<b>Manufacturing Sector</b>	<b>152,273.5</b>	<b>836.4</b>	<b>5,840.9</b>	<b>3,352.0</b>	<b>15,076.5</b>	<b>7,316.4</b>	<b>184,695.6</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 2.2.6: Electricity, water and fuels consumed by industrial activity (ISIC R3), 2001 - Manufacturing Sector\* Million SR**

ISIC	Description	Electricity	Water	Fuels	Total
151	Manufacture of basic food products	21.0	5.3	137.9	164.1
152	Manufacture of dairy products	45.7	17.4	48.3	111.4
153	Manufacture of grain mill products	5.6	1.2	4.5	11.3
154	Manufacture of other food products n.e.c.	30.5	6.2	54.6	91.3
155	Manufacture of beverages	24.1	11.7	21.1	57.0
17	Manufacture of textiles	26.6	6.9	20.0	53.5
18	Man. of wearing apparel, including fur	1.1	0.2	1.4	2.6
191	Tanning and dressing of leather	1.8	0.9	1.5	4.3
192	Manufacture of footwear	0.3	0.1	0.2	0.6
20	Man. of wood and w/products exc. furniture	3.1	0.8	4.4	8.3
21	Manufacture of paper and paper products	46.2	6.1	17.6	69.9
22	Printing and publishing, etc.	5.1	0.8	2.2	8.1
232	Manufacture of refined petroleum products	319.9	173.7	676.8	1,170.4
241	Manufacture of basic chemicals	1,099.1	210.2	1,055.4	2,364.7
242	Man. of pesticides and similar products	37.1	9.8	20.1	67.1
251	Manufacture of other rubber products	46.6	26.7	43.6	117.0
252	Manufacture of plastics products	98.2	8.0	26.7	132.9
261	Manufacture of glass and glass products	39.8	11.9	56.4	108.2
269	Man. of non-metallic mineral products n.e.c.	301.8	41.6	527.9	871.4
27	Manufacture of basic metals	24.8	3.1	9.5	37.3
281	Manufacture of structural metal products	52.2	6.4	39.1	97.6
289	Man. of other fabricated metal products, etc.	37.6	8.2	28.1	74.0
29	Manufacture of machinery and equipment	17.4	2.9	10.9	31.2
31	Man. of electrical machinery and apparatus	84.4	9.9	30.9	125.3
321	Manufacture of electronic valves, etc.	1.4	0.1	0.9	2.4
33	Man. of watches and clocks, etc.	4.7	0.7	3.1	8.4
34	Manufacture of motor vehicles, etc.	10.0	1.8	7.1	18.9
35	Manufacture of transport equipment	2.2	0.2	0.4	2.7
361	Manufacture of furniture	12.1	2.6	6.9	21.6
369	Other manufacturing n.e.c.	4.1	0.7	2.3	7.2
<b>D</b>	<b>Manufacturing Sector</b>	<b>2,404.9</b>	<b>576.2</b>	<b>2,859.8</b>	<b>5,840.9</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 2.2.7: Value of fixed assets at end of 2001 by industrial activity - Manufacturing Sector\***

Million SR

ISIC R3	Description	Land	Buildings	Plant & equipment	Under construction	Motor vehicles	Other	Total
151	Manufacture of basic food products	77.8	494.7	699.2	61.1	114.3	184.5	1,631.6
152	Manufacture of dairy products	722.1	385.8	806.6	292.1	79.7	717.9	3,004.2
153	Manufacture of grain mill products	22.5	33.4	172.2	7.4	254.0	154.0	643.6
154	Manufacture of other food products n.e.c.	96.3	820.9	1,558.6	141.4	186.5	308.5	3,112.2
155	Manufacture of beverages	178.6	355.4	869.3	113.2	23.6	139.2	1,679.3
17	Manufacture of textiles	87.4	382.3	995.8	15.6	40.1	77.7	1,598.8
18	Man. of wearing apparel, including fur	32.7	37.9	52.9	8.0	0.0	136.5	268.0
191	Tanning and dressing of leather	8.4	35.3	25.7	3.0	6.1	40.5	119.0
192	Manufacture of footwear	4.4	11.1	7.4	0.9	0.0	1.4	25.2
20	Man. of wood and w/products exc. furniture	15.4	128.3	64.4	12.0	11.1	24.0	255.2
21	Manufacture of paper and paper products	54.0	792.4	1,781.6	50.0	120.6	235.0	3,033.6
22	Printing and publishing, etc.	168.8	272.3	284.9	8.2	291.4	96.9	1,122.6
232	Manufacture of refined petroleum products	306.7	2,787.2	10,752.8	116.7	95.0	1,535.0	15,593.3
241	Manufacture of basic chemicals	279.6	7,321.1	58,441.3	165.8	1,589.7	1,533.4	69,330.9
242	Man. of pesticides and similar products	72.5	1,136.2	1,247.1	74.9	48.1	233.4	2,812.3
251	Manufacture of other rubber products	0.4	560.2	3,494.6	5.1	3,048.4	16.1	7,124.7
252	Manufacture of plastics products	105.7	1,001.0	2,056.7	77.3	128.5	214.3	3,583.5
261	Manufacture of glass and glass products	83.8	479.9	1,924.7	15.6	51.8	50.2	2,606.0
269	Man. of non-metallic mineral products n.e.c.	475.0	3,619.5	6,994.6	708.6	461.2	1,810.9	14,069.9
27	Manufacture of basic metals	20.6	472.3	7,432.8	10,841.9	20.9	335.5	19,124.1
281	Manufacture of structural metal products	82.7	903.3	1,434.6	56.8	88.3	300.1	2,865.9
289	Man. of other fabricated metal products, etc.	90.7	665.5	1,211.9	60.7	46.8	109.6	2,185.3
29	Manufacture of machinery and equipment	89.8	491.3	491.3	32.2	24.0	113.2	1,241.9
31	Man. of electrical machinery and apparatus	105.3	1,363.6	2,411.6	35.3	143.7	138.1	4,197.6
321	Manufacture of electronic valves, etc.	0.0	55.9	50.8	2.2	0.0	13.0	121.8
33	Man. of watches and clocks, etc.	49.0	62.7	125.0	9.4	0.1	98.4	344.7
34	Manufacture of motor vehicles, etc.	76.7	231.0	317.1	19.3	25.7	48.9	718.9
35	Manufacture of transport equipment	0.0	294.6	18.6	2.5	0.0	8.4	324.1
361	Manufacture of furniture	104.1	388.7	266.8	32.1	15.1	91.4	898.1
369	Other manufacturing n.e.c.	50.0	150.8	60.3	7.8	14.9	54.6	338.4
<b>D</b>	<b>Manufacturing Sector</b>	<b>3,461.4</b>	<b>25,734.6</b>	<b>106,051.1</b>	<b>12,977.1</b>	<b>6,929.8</b>	<b>8,820.5</b>	<b>163,974.6</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 2.2.8: Change in stock\* by industrial activity (ISIC R3), 2001 - Manufacturing Sector\***

Million SR

ISIC R3	Description	Raw materials	Work in progress	Finished products	Spare parts	Total
151	Manufacture of basic food products	13.2	-3.8	-42.1	9.4	-23.3
152	Manufacture of dairy products	37.2	24.6	-11.3	-8.9	41.5
153	Manufacture of grain mill products	19.4	-2.1	7.6	1.5	26.3
154	Manufacture of other food products n.e.c.	-27.8	-6.5	35.7	8.7	10.1
155	Manufacture of beverages	-4.7	-3.9	11.4	0.3	3.0
17	Manufacture of textiles	12.9	0.0	5.7	1.7	20.2
18	Man. of wearing apparel, including fur	51.6	1.5	-0.1	0.7	53.6
191	Tanning and dressing of leather	-1.9	-5.0	9.5	0.0	2.6
192	Manufacture of footwear	0.0	0.2	1.3	0.0	1.4
20	Man. of wood and w/products exc. furniture	24.9	0.8	13.2	1.8	40.7
21	Manufacture of paper and paper products	61.9	15.0	9.0	19.2	105.1
22	Printing and publishing, etc.	-5.2	-0.3	-0.4	-1.1	-7.0
232	Manufacture of refined petroleum products	-54.1	-0.6	-970.1	-14.0	-1,038.8
241	Manufacture of basic chemicals	-118.5	47.3	-125.8	235.1	38.2
242	Man. of pesticides and similar products	26.6	11.7	16.7	3.5	58.6
251	Manufacture of other rubber products	52.9	0.8	-18.3	7.5	42.9
252	Manufacture of plastics products	32.5	6.1	-52.6	10.8	-3.2
261	Manufacture of glass and glass products	48.1	6.8	-27.4	2.0	29.5
269	Man. of non-metallic mineral products n.e.c.	-18.3	10.5	-74.6	-10.8	-93.3
27	Manufacture of basic metals	203.0	-848.1	-4.8	93.7	-556.2
281	Manufacture of structural metal products	21.4	49.6	-2.3	18.7	87.4
289	Man. of other fabricated metal products, etc.	31.3	-9.6	-9.8	3.4	15.3
29	Manufacture of machinery and equipment	-111.2	-22.0	134.7	8.4	9.9
31	Man. of electrical machinery and apparatus	-4.2	-168.4	290.8	2.5	120.8
321	Manufacture of electronic valves, etc.	0.0	0.0	-34.3	0.0	-34.3
33	Man. of watches and clocks, etc.	14.6	-3.5	12.4	-19.8	3.8
34	Manufacture of motor vehicles, etc.	-147.2	-13.8	-16.8	1.3	-176.5
35	Manufacture of transport equipment	2.5	-0.2	0.0	1.0	3.3
361	Manufacture of furniture	-6.8	13.4	15.0	4.5	26.1
369	Other manufacturing n.e.c.	17.6	39.2	-103.2	0.2	-46.2
<b>D</b>	<b>Manufacturing Sector</b>	<b>171.4</b>	<b>-860.4</b>	<b>-930.9</b>	<b>381.4</b>	<b>-1,238.5</b>

\* Large licensed establishments with capital of more than SR 1 million

**Table 2.2.9: Raw materials used by activity (ISIC R3), type and origin, 2001 - Manufacturing Sector\***

Million SR

ISIC Rev.3	Description	Basic and intermediate		Packing and packaging		Grand total		
		Local	Import	Local	Import	Local	Import	Total
151	Manufacture of basic food products	495.7	981.5	239.9	57.7	735.6	1,039.3	1,774.9
152	Manufacture of dairy products	305.1	804.4	284.7	217.1	589.9	1,021.5	1,611.3
153	Manufacture of grain mill products	52.3	738.8	14.6	0.0	66.8	738.8	805.7
154	Manufacture of other food products n.e.c.	544.0	1,818.1	309.7	68.7	853.6	1,886.8	2,740.4
155	Manufacture of beverages	450.4	702.2	1,166.5	75.7	1,616.9	777.9	2,394.8
17	Manufacture of textiles	749.7	593.3	28.7	4.6	778.4	598.0	1,376.4
18	Man. of wearing apparel, including fur	120.1	122.2	4.8	0.1	124.9	122.3	247.3
191	Tanning and dressing of leather	64.8	59.5	0.9	0.1	65.7	59.6	125.2
192	Manufacture of footwear	11.2	41.8	1.1	0.0	12.3	41.8	54.1
20	Man. of wood and w/products exc. furniture	151.9	1,125.5	3.2	2.8	155.0	1,128.3	1,283.3
21	Manufacture of paper and paper products	750.1	2,362.7	223.3	34.8	973.5	2,397.5	3,370.9
22	Printing and publishing, etc.	227.6	189.8	12.3	0.2	239.9	189.9	429.8
232	Manufacture of refined petroleum products	80,589.3	494.4	388.7	0.2	80,978.0	494.6	81,472.5
241	Manufacture of basic chemicals	14,340.9	1,408.4	397.8	15.4	14,738.7	1,423.8	16,162.5
242	Man. of pesticides and similar products	623.7	1,497.0	350.3	81.4	974.0	1,578.4	2,552.5
251	Manufacture of other rubber products	381.5	117.3	17.4	0.7	399.0	118.0	517.0
252	Manufacture of plastics products	2,258.0	702.3	95.1	12.9	2,353.1	715.2	3,068.3
261	Manufacture of glass and glass products	399.3	231.6	167.4	6.8	566.8	238.4	805.1
269	Man. of non-metallic mineral products n.e.c.	1,474.1	350.3	113.7	34.3	1,587.8	384.6	1,972.4
27	Manufacture of basic metals	4,542.0	3,928.6	17.5	0.3	4,559.5	3,928.9	8,488.4
281	Manufacture of structural metal products	1,190.5	2,162.9	39.9	14.5	1,230.4	2,177.4	3,407.8
289	Man. of other fabricated metal products, etc.	1,889.0	1,379.5	37.7	2.3	1,926.7	1,381.7	3,308.4
29	Manufacture of machinery and equipment	911.1	1,744.4	42.6	1.0	953.7	1,745.4	2,699.1
31	Man. of electrical machinery and apparatus	997.6	6,427.1	417.0	6.7	1,414.6	6,433.8	7,848.5
321	Manufacture of electronic valves, etc.	91.5	168.7	8.7	0.0	100.2	168.7	268.8
33	Man. of watches and clocks, etc.	39.5	178.3	2.2	0.3	41.7	178.6	220.3
34	Manufacture of motor vehicles, etc.	273.6	1,003.6	5.1	0.0	278.8	1,003.6	1,282.4
35	Manufacture of transport equipment	5.3	30.7	0.3	0.0	5.5	30.7	36.3
361	Manufacture of furniture	462.4	410.6	10.6	0.4	473.0	411.0	884.0
369	Other manufacturing n.e.c.	229.6	831.9	3.3	0.0	232.9	831.9	1,064.9
<b>D</b>	<b>Manufacturing Sector</b>	<b>114,621.7</b>	<b>32,607.6</b>	<b>4,405.2</b>	<b>638.9</b>	<b>119,027.0</b>	<b>33,246.5</b>	<b>152,273.5</b>

\* Large licensed establishments with capital of more than SR 1 million