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THE BUILDING MATERIALS INDUSTRY: THE SECTOR IN FIGURES

**Sectoral Studies Series
No. 16, Volume II**

**SECTORAL STUDIES BRANCH
DIVISION FOR INDUSTRIAL STUDIES**

Main results of the study work on industrial sectors are presented in the Sectoral Studies Series. In addition a series of Sectoral Working Papers is issued.

This document presents major results of work under the element Studies on Building Materials Industries in UNIDO's programme of Industrial Studies 1984/85.

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Preface

This digest contains statistical data and estimates complementing volume I of the study "The building materials industry in developing countries: An analytical appraisal", Sectoral Studies Series No. 16, Vol. I UNIDO/IS.512, January 1985. The United Nations Statistical Office (UNSO) in New York is the main source for the statistical data on both production and trade. The UNIDO secretariat, however, supplements these data through additional primary information or own estimates to achieve a sufficiently detailed picture of the sector. Each set of tables is preceded by a short text describing the content of the tables and how it was derived.

It should be noted that this digest does more than just reproduce sectoral statistics available elsewhere. It presents the data in an economic context and gives a condensed view of who does what in the sector, what the major inputs are, where the products are sold, where the main materials come from, and how the world market prices have developed. By presenting a global overview disaggregated by major economic regions, the digest gives the industrial planner a view of the geographical changes that have occurred and are happening. Most significantly, it provides an understanding for what the variation in various technologically and economically important parameters can be in practice. This information ought to assist both research into the sector and the formulation of industrialization and marketing strategies.

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EXPLANATORY NOTES

References to dollars (\$) are to United States dollars, unless otherwise stated.

- ... indicates that data are not available or are not separately reported;
- indicates that the amount is nil or negligible;
- blank indicates that the item is not applicable;

In tables totals may not add exactly because of rounding.

Abbreviations

- CPE Centrally planned economies;
- ISIC International Standard Industrial Classification;
- NES Not elsewhere specified;
- ODME Other Developed Market Economies;
- SITC Standard International Trade Classifications;
- UNSO United Nations Statistical Office

Country Groupings

Developing countries:

- Latin America: South and Central America and the Caribbean, except Puerto Rico and the U.S. Virgin Islands
- Tropical Africa: All of Africa South of the Sahara, except for the Sudan and the Republic of South Africa
- North Africa: Rest of Africa except for the Republic of South Africa
- West Asia: The Arab countries of Asia, and Iran, Turkey and Cyprus
- South Asia: Afghanistan, Bangladesh, Bhutan, Burma, India, Nepal, Pakistan, Sri Lanka
- East Asia (Mfg): The area of Hong Kong, Republic of Korea, Philippines, Singapore, Thailand
- Southeast Asia: Rest of Asia except CPE Asia, Taiwan Province of China and Japan, plus the South Pacific Islands

INTRODUCTION

In presenting a statistical picture of building materials major definitional problems are encountered because the available data seldom if ever distinguish between the building material and non-building material usage of a given material. This has necessitated estimates and judgements on the part of UNIDO. The methods of constructing these estimates and the assumptions are explicitly stated in the preamble to each set of tables in order to explain the conceptual basis of the presented data.

This digest deals with six categories of building materials, namely non-metallic mineral products, primary metal products, finished metal products, wood products, chemical products and minimally processed products. In terms of the International Standard Industrial Classification (ISIC) and the Standard International Trade Classification Rev. 1 (SITC) schemes, these six categories fall into the product groups shown below:

1. Non-metallic mineral products	ISIC 369	SITC 661.1
(such as lime, cement,	362	661.2
asbestos, clay, glass, bricks,		661.3
electrical insulating, and		661.8
sanitary and plumbing		662
fixtures)		663.6
		663.8
		664.4
		664.5
		664.6
		723.2
		812.2
2. Primary metal products	ISIC 371	SITC 673
(such as metal bars, rods,	372	676.1
sections, tubes, pipes,		676.2
and nails, screws, etc.)		678
		682.2
		684.2 excluding 684.24
		685.24
		686.21
		686.23
		687.24
		694

3. Finished metal products (such as finished metal structural parts, hand tools, boilers, stoves, locks, hinges, valves, fixtures and fittings)	ISIC 381	SITC	691.1 693.1 693.2 695.2 697.1 698.11 698.12 698.91 698.92 698.94 715.23 719.43 719.92 812.1 812.3 812.42
4. Wood products (such as lumber, veneers, wood-based panels, and builders' woodwork)	ISIC 331 122	SITC	242.4 242.9 243 631.1 631.2 631.4 631.87 632.4 632.89
5. Chemical products (such as pitch, tar, bitumen, paints, plastics, and glues)	ISIC 35	SITC	332.92 332.95 332.96 521.1 533.3 excluding 533.33 581.2 599.53 599.59 599.63
6. Minimally processed mineral products (such as stone, sand, gravel, asphalt and dolomite)	ISIC 29	SITC	273.1 273.3 276.1 276.23

The above groups of classification codes correspond as closely as possible to those employed in the input/output tables that were used in this study to generate the derived demand for building materials by the construction industry. It should be noted, however, that the actual data in this digest represent only subsets of the products from each of the above groups of codes, namely those consumed by the construction industry. For example, SITC 678 includes all steel and iron pipes and tubes but only a portion is used in construction, the remainder going to oil and gas exploration and to irrigation. These proportions, estimated and assumed constant for the time period covered by this study, are given in charts A.1 and A.2. Similarly, the ISIC codes contain subgroups that clearly are not building materials in the sense that they would be used as input to the construction industry. They could not, however, be excluded from the 2- and 3-digit aggregates because the global reporting on the 4-digit level, which would have identified most non-building materials, is very poor. Consequently, the production figures for building materials could not be taken from UNSO statistics but had to be derived as residuals, given the building materials consumption and trade estimates (see section A for details).

The building materials sector constitutes a major manufacturing sector in many economies. To illustrate its relative position, the tables in this introduction show the building materials sector in the context of world total trade and trade in manufacturing goods. Trade data rather than production data have been chosen because of the greater precision in terms of product definitions.

Section A of the digest contains summary tables of apparent production and trade by product group and UNITAD region, and gives shares and growth rates based on the same data. For any given product group, the tables are presented on the same page to facilitate a meaningful comparison of the absolute and the relative information. The very last table of section A presents the change that has taken place in regional exports versus regional production by product group. Section A also contains UNIDO estimates of the 1985 figures. They are based on long term projection models for this sector. Essentially, they show what the regional production and trade in building materials would be in 1985, were the economic and other structures of the

Table I.01.a. Structure of imports from world by major industrial grouping (SITCs), 1975
(Per cent, world also in constant 1975 million US dollars)

Importing region	US dollars Total imports (all SITCs)	Building materials (see Intro)	P e r c e n t						
			Total imports (all SITCs)	Agro-food Industry (0,1,4)	Crude materials (2,3)	Chemicals (5)	Manufactured goods (6,8)	Machinery, transport (7)	Other (9)
WORLD	880,156	3.0	100.0	13.5	28.7	7.3	24.1	25.2	1.2
DEVELOPED MARKET ECONOMIES	600,800	2.6	100.0	12.9	30.8	6.7	24.6	23.7	1.3
North America	129,141	2.3	100.0	10.1	29.1	4.3	23.5	30.9	2.2
Europe North	355,182	3.0	100.0	14.0	26.8	7.7	27.8	22.4	1.2
Europe South	37,944	2.7	100.0	12.0	31.5	8.8	20.5	26.6	0.2
Japan	57,805	0.7	100.0	15.0	64.8	3.7	9.5	6.5	0.4
Other developed	20,728	3.3	100.0	5.3	13.0	9.0	27.5	43.7	1.5
DEVELOPING COUNTRIES	181,365	4.1	100.0	14.9	19.0	10.0	24.2	31.3	0.7
Latin America	54,934	2.5	100.0	9.8	27.7	11.7	20.3	30.3	0.2
Tropical Africa	18,506	5.5	100.0	13.6	12.1	9.9	29.7	34.1	0.6
North Africa	18,499	6.2	100.0	24.2	9.2	8.1	26.1	31.9	0.6
West Asia	37,036	5.5	100.0	14.9	8.5	7.2	29.3	39.2	0.8
South Asia	10,161	1.8	100.0	31.9	15.6	15.6	17.7	18.4	0.9
East Asia (Mfg)	29,980	4.1	100.0	13.0	29.7	8.8	22.4	24.9	1.3
Southeast Asia	12,250	4.2	100.0	15.9	14.0	11.8	24.2	33.3	0.6
CENTRALLY PLANNED ECONOMIES	67,277	3.9	100.0	17.2	13.2	8.2	27.8	33.2	0.4
European	59,862	3.8	100.0	17.7	13.4	7.8	27.1	33.6	0.4
Asian	7,416	4.5	100.0	12.7	11.3	11.5	33.5	30.4	0.6
NES	30,713	0.7	100.0	8.7	78.3	0.8	6.0	1.2	4.9

Table I.01.b. Structure of exports to world by major industrial grouping (SITCs), 1975
(Per cent, world also in constant 1975 million US dollars)

Exporting region	US dollars Total exports (all SITCs)	Building materials (see Intro)	P e r c e n t						
			Total exports (all SITCs)	Agro-food Industry (0,1,4)	Crude materials (2,3)	Chemicals (5)	Manufactured goods (6,8)	Machinery, transport (7)	Other (9)
WORLD	840,885	2.8	100.0	12.9	27.1	7.6	24.2	27.1	1.1
DEVELOPED MARKET ECONOMIES	561,613	3.7	100.0	12.5	11.4	7.2	30.1	37.4	1.5
North America	129,787	2.3	100.0	16.7	19.5	4.2	17.2	41.0	1.4
Europe North	334,519	4.2	100.0	10.8	8.7	8.2	33.7	37.3	1.3
Europe South	20,054	4.3	100.0	17.9	7.8	16.6	39.1	18.2	0.4
Japan	53,181	5.4	100.0	1.5	1.8	4.1	40.5	50.9	1.3
Other developed	24,071	0.7	100.0	34.0	28.9	7.8	19.7	4.7	5.0
DEVELOPING COUNTRIES	227,647	0.7	100.0	13.9	65.5	8.0	9.6	2.7	0.3
Latin America	49,657	0.8	100.0	33.0	40.3	13.0	9.5	3.7	0.5
Tropical Africa	21,446	0.5	100.0	22.2	57.9	8.6	9.9	1.1	0.3
North Africa	16,815	0.1	100.0	6.0	80.4	8.9	4.2	0.5	0.1
West Asia	93,278	0.2	100.0	1.4	93.4	2.8	1.6	0.7	-
South Asia	8,069	1.3	100.0	29.9	15.3	19.7	30.3	4.1	0.7
East Asia (Mfg)	22,160	2.5	100.0	17.0	18.2	11.9	39.3	12.2	1.4
Southeast Asia	16,221	1.1	100.0	12.7	65.6	8.9	9.9	2.4	0.4
CENTRALLY PLANNED ECONOMIES	49,669	1.7	100.0	12.0	28.6	11.1	24.1	23.8	0.3
European	43,097	1.8	100.0	9.5	29.5	10.9	22.9	26.9	0.3
Asian	6,572	1.4	100.0	28.4	23.0	13.0	32.0	3.4	0.3
NES	1,956	2.9	100.0	12.8	44.6	12.3	12.9	5.8	11.6

Table I.02.a. Structure of imports from world by major industrial grouping (SITCs), 1980
(Per cent, world also in constant 1975 million US dollars)

Importing region	US dollars	Building materials (see Intro)	Total imports (all SITCs)	Agro-food industry (0,1,4)	P e r c e n t				
	Total imports (all SITCs)				Crude materials (2,3)	Chemicals (5)	Manufactured goods (6,8)	Machinery, transport (7)	Other (9)
WORLD	1,144,254	3.3	100.0	12.5	22.1	8.0	26.8	28.1	2.5
DEVELOPED MARKET ECONOMIES	794,072	3.0	100.0	11.3	25.1	7.7	27.7	26.4	1.8
North America	169,201	2.4	100.0	9.4	24.4	4.8	25.2	34.3	1.9
Europe North	486,579	3.5	100.0	12.2	21.0	8.7	31.4	25.4	1.4
Europe South	43,499	2.7	100.0	10.9	31.1	9.9	19.9	21.9	0.3
Japan	68,037	1.2	100.0	13.3	58.4	5.4	13.7	6.3	0.8
Other developed	26,756	2.8	100.0	4.6	10.1	9.2	23.2	39.1	13.8
DEVELOPING COUNTRIES	248,757	4.5	100.0	13.9	15.8	9.2	25.6	34.3	1.2
Latin America	67,887	2.8	100.0	12.4	18.5	11.6	20.8	35.7	1.1
Tropical Africa	24,545	4.6	100.0	15.6	8.9	10.0	25.5	38.6	1.4
North Africa	19,874	6.8	100.0	22.0	9.1	8.0	26.7	33.1	1.2
West Asia	59,223	6.6	100.0	14.8	8.3	6.6	32.2	37.6	0.6
South Asia	13,022	3.1	100.0	15.6	24.4	12.7	22.8	24.2	0.2
East Asia (Mfg)	49,105	4.3	100.0	10.2	25.5	8.1	25.7	28.0	2.5
Southeast Asia	15,101	3.5	100.0	13.9	14.4	9.7	22.8	38.3	0.7
CENTRALLY PLANNED ECONOMIES	78,811	3.1	100.0	19.5	13.7	9.3	24.2	32.6	0.6
European	66,981	2.9	100.0	19.9	13.1	9.2	23.9	33.3	0.6
Asian	11,829	3.9	100.0	17.5	16.8	10.4	26.0	28.6	0.8
NES	22,614	2.1	100.0	13.0	14.6	2.9	17.0	4.0	48.6

Table I.02.b. Structure of exports to world by major industrial grouping (SITCs), 1980
(Per cent, world also in constant 1975 million US dollars)

Exporting region	US dollars	Building materials (see Intro)	Total exports (all SITCs)	Agro-food industry (0,1,4)	P e r c e n t				
	Total exports (all SITCs)				Crude materials (2,3)	Chemicals (5)	Manufactured goods (6,8)	Machinery, transport (7)	Other (9)
WORLD	1,097,743	3.0	100.0	12.0	21.5	8.4	28.6	29.2	2.4
DEVELOPED MARKET ECONOMIES	772,578	3.7	100.0	11.4	10.0	7.9	30.7	37.3	2.6
North America	160,723	2.5	100.0	15.7	16.7	5.1	19.5	41.8	1.2
Europe North	462,339	4.1	100.0	10.5	8.6	9.2	33.9	36.2	1.6
Europe South	30,382	5.2	100.0	15.8	7.3	14.2	41.4	21.0	0.4
Japan	80,751	4.3	100.0	1.3	1.2	4.6	35.1	56.9	1.0
Other developed	38,383	1.0	100.0	22.9	20.1	6.4	21.6	1.5	25.4
DEVELOPING COUNTRIES	256,872	1.0	100.0	14.6	54.7	8.9	14.7	5.9	1.2
Latin America	61,926	1.1	100.0	31.5	32.9	12.8	14.2	7.6	1.0
Tropical Africa	23,059	0.5	100.0	21.9	53.9	10.6	11.0	1.0	1.7
North Africa	19,560	0.1	100.0	4.6	82.4	8.1	4.1	0.6	0.2
West Asia	80,744	0.3	100.0	2.0	88.8	4.8	2.8	1.3	0.2
South Asia	9,278	1.3	100.0	24.2	15.4	17.8	37.3	4.9	0.4
East Asia (Mfg)	40,887	2.8	100.0	12.6	12.0	9.7	43.1	18.5	4.1
Southeast Asia	21,418	1.5	100.0	13.8	63.0	6.9	11.9	5.1	0.3
CENTRALLY PLANNED ECONOMIES	62,711	1.8	100.0	8.3	27.2	11.7	25.5	26.8	0.5
European	52,742	1.8	100.0	6.5	28.0	11.6	22.3	31.7	0.5
Asian	9,969	1.9	100.0	18.1	23.4	12.3	42.4	3.4	0.4
NES	5,583	0.8	100.0	3.5	23.6	11.6	5.9	3.5	51.9

Table I.03.a. Structure of imports from world by major industrial grouping (SITCs), 1983
(Per cent, world also in constant 1975 million US dollars)

Importing region	US dollars Total Imports (all SITCs)	Building materials (see Intro)	P e r c e n t						
			Total Imports (all SITCs)	Agro-food Industry (0,1,4)	Crude materials (2,3)	Chemicals (5)	Manufactured goods (6,8)	Machinery, transport (7)	Other (9)
WORLD	1,043,691	2.6	100.0	13.5	18.7	8.0	27.8	30.3	1.7
DEVELOPED MARKET ECONOMIES	761,524	2.2	100.0	12.9	22.0	7.7	27.7	28.1	1.6
North America	200,538	1.9	100.0	9.6	16.8	5.0	28.0	38.2	2.4
Europe North	429,035	2.6	100.0	14.2	19.6	8.9	30.3	25.6	1.5
Europe South	40,990	2.0	100.0	12.5	31.1	9.4	20.6	25.7	0.7
Japan	68,229	0.9	100.0	16.7	51.7	6.4	15.1	9.0	1.1
Other developed	22,733	2.4	100.0	6.1	6.3	10.2	28.2	47.8	1.5
DEVELOPING COUNTRIES	230,951	3.8	100.0	14.3	10.4	8.4	27.1	37.9	1.9
Latin America	39,696	2.3	100.0	17.1	9.0	12.4	20.3	38.3	2.9
Tropical Africa	17,389	3.5	100.0	20.2	6.0	8.7	23.4	39.1	2.7
North Africa	23,680	5.6	100.0	21.6	6.2	6.5	26.5	38.4	0.8
West Asia	64,000	4.6	100.0	11.8	5.4	6.3	32.4	42.1	2.0
South Asia	12,140	2.3	100.0	17.0	12.0	9.7	25.8	34.2	1.2
East Asia (Mfg)	54,907	3.9	100.0	11.0	18.7	8.0	29.8	30.9	1.7
Southeast Asia	19,138	2.9	100.0	9.9	15.0	9.2	21.3	43.0	1.6
CENTRALLY PLANNED ECONOMIES	48,980	3.8	100.0	20.7	8.2	10.0	31.2	28.5	1.4
European	38,441	3.6	100.0	22.3	8.1	9.4	29.0	29.7	1.4
Asian	10,539	4.3	100.0	14.9	8.7	11.9	39.3	23.9	1.1
NES	2,235	8.3	100.0	16.6	12.4	9.2	32.0	16.3	13.4

Table I.03.b. Structure of exports to world by major industrial grouping (SITCs), 1983
(Per cent, world also in constant 1975 million US dollars)

Exporting region	US dollars Total Exports (all SITCs)	Building materials (see Intro)	P e r c e n t						
			Total Exports (all SITCs)	Agro-food Industry (0,1,4)	Crude materials (2,3)	Chemicals (5)	Manufactured goods (6,8)	Machinery, transport (7)	Other (9)
WORLD	988,116	2.4	100.0	13.4	18.1	8.4	27.7	31.0	1.5
DEVELOPED MARKET ECONOMIES	744,831	2.8	100.0	12.3	10.3	7.9	30.0	38.0	1.6
North America	168,391	1.9	100.0	17.0	15.9	5.9	17.1	42.8	1.2
Europe North	427,877	3.2	100.0	12.0	9.4	8.9	33.3	34.5	1.9
Europe South	31,675	4.1	100.0	16.8	7.3	12.2	41.8	21.4	0.5
Japan	98,099	2.9	100.0	1.1	0.9	4.4	35.5	57.0	1.0
Other developed	18,788	0.8	100.0	27.6	33.7	12.3	21.6	3.3	1.4
DEVELOPING COUNTRIES	201,651	1.0	100.0	17.7	43.2	9.6	19.3	8.9	1.3
Latin America	55,113	1.0	100.0	33.5	31.7	9.0	15.6	9.1	1.1
Tropical Africa	15,672	0.4	100.0	28.0	49.8	9.6	10.7	1.3	0.5
North Africa	13,559	-	100.0	4.5	77.2	11.3	5.6	1.1	0.4
West Asia	41,296	0.5	100.0	4.9	76.5	9.8	6.3	2.0	0.5
South Asia	8,630	0.6	100.0	20.6	18.5	13.7	44.8	1.9	0.5
East Asia (Mfg)	46,301	1.5	100.0	12.5	12.8	9.5	40.5	21.5	3.1
Southeast Asia	21,080	1.8	100.0	12.4	57.5	8.4	12.5	8.1	1.2
CENTRALLY PLANNED ECONOMIES	40,248	1.3	100.0	11.8	35.9	12.1	27.7	11.6	0.8
European	28,787	1.5	100.0	9.4	41.2	12.6	20.9	15.0	1.0
Asian	11,460	0.9	100.0	18.0	22.4	11.0	44.8	3.3	0.5
NES	1,387	0.5	100.0	8.2	47.1	14.8	8.0	7.2	14.7

sixties through the early eighties to prevail. Consequently, the actual 1985 figures, when they become known, may differ significantly from those presented here because of business cycles and other short term phenomena. Nonetheless, it is believed that a useful purpose is served by presenting these 1985 estimates since the latest year for which complete actual data are available is 1982.

Akin to a production function, section B of this digest shows the amounts of major inputs - labour, capital and energy - used to generate a unit of value added in building materials by product group for selected regions or countries for which reasonably complete information exists. Further details are given in the preamble to section B.

Section C gives the input/output relationships between the construction sector and the other sectors in the economy as well as the value added/gross output ratios.

The tables in section D show the total exports and the major markets for the principal exporters of building materials in the world. Section E then gives the international sources of certain major raw materials or intermediate products used in the building materials sector.

Section F presents UNIDO estimates of the consumption of building materials. It is worth noting that this is not so-called apparent consumption (production minus exports plus imports) but, rather, demand derived from the input requirements of the construction sector. The estimates given are probably unique on a global/regional scale and should therefore constitute new information on a sector hitherto characterized by only fragmented statistical data.

A new section, section G, has been added to the digest. It gives world export and import price and quantity indices of the chain-linked Fisher type, calculated by UNIDO. This new section is intended to become a permanent feature of these "The Sector in Figures" digests.

As far as the building materials sector is concerned, there is only relatively little published statistical material that is either directly valid, global in coverage or internally consistent from one economy to another. This, of course, has necessitated the usage of many different sources of data, technological relationships and at times quite strong assumptions in order to arrive at initial estimates. These in turn have then been adjusted through a great deal of heuristic iterations between possible border values. This entailed the cross-checking of every number over regions and time, over categories of building materials, over value added shares in gross output, over imports in relation to consumption and exports compared to production, over global imports versus global exports etc. The final estimates in the tables of this digest may or may not be very accurate but they are comprehensive and internally consistent.

The regional breakdown is done according to the regions of the UNITAD model, a joint UNIDO/UNCTAD framework for exploring prospective long term changes in the world economy. This is standard practice in the Sectoral Studies Series.

Section A

Production and trade by product group and region,
1975, 1980 and estimated 1985
(constant 1975 million US dollars)

The trade data in these tables are based upon information from the UN Statistical Office (UNSO), complemented by estimates of missing values and adjustments done by the UNIDO secretariat. The original figures in current values have been deflated using the export price indices in section G to express the data in constant 1975 United States dollars. The estimated 1985 figures are based on long term projection models of trade and on the estimated growth in the construction sector and in total GDP in the UNITAD model's Reference Scenario. The production values in the A-tables have been derived using estimated consumption and trade figures as described below.

The 1985 estimations being based upon long term models are statistical expectations of regional trade and production. As such they are conditional on the economic and other structures of the sixties through the early eighties. Actual 1985 figures may, however, differ significantly from the projections because of business cycles and other short term phenomena.

The data situation for the Asian CPE region is poor. But, based primarily on partner-reported trade data, construction output data from the UN Construction Yearbook, and by assuming that the Asian CPE region's input/output structure could be approximated by a slightly adjusted input/output table for the South Asian region (actually India), it was possible to construct credible estimates for the Asian CPE region as well.

In general, the entries for A-tables have been derived as follows. Denote the six different types of materials considered in this study by the index k ($k = 1, \dots, 6$). Then, for material k , some of which is used by the

construction industry (i.e. as a building material), let^{1/}

Q_k = Domestic production of k

Q_k^{Con} = Domestic production of k used as a building material (i.e. by the construction industry)

C_k^{Con} = Domestic consumption of k by the construction industry (see section F for derivation)

M_k = Total imports of k

M_k^{Con} = Portion of M_k used in the construction industry

X_k = Total exports of k

X_k^{Con} = Exports of building material k

Because of a general lack of data on inventories, Q_k is defined as including net inventory changes.

The total supply of k, S_k , available to an economy is

$$(1) S_k = Q_k + M_k - X_k$$

The domestic demand for (or consumption of) k as a building material is

$$(2) C_k^{Con} = Q_k^{Con} + M_k^{Con} - X_k^{Con}$$

The domestic production Q_k is delivered as input to any number of domestic producing sectors including the construction industry - denoted by the superscripts j and Con, respectively - to final demand (FD) and to exports:

^{1/} In general, all variables and parameters vary by region. However, for brevity in notation, the subscript r for region is omitted whenever there is no risk of confusion.

$$(3) \quad Q_k = Q_k^{\text{Con}} + \sum_j Q_k^j + \text{FD}_k + X_k \text{ such that } j \neq \text{Con}$$

Let the proportion of domestic deliveries going to the construction sector be b_k . Thus,

$$(4) \quad b_k = \frac{Q_k^{\text{Con}}}{Q_k - X_k}$$

For each UNITAD region r , the proportions $b_{k,r}$ can be computed from the row in the regional input/output transactions table that gives deliveries of k to the various receiving sectors of the economy. Next, assume that the construction industry absorbs the same proportion of all imports of k as it takes of all domestic deliveries of k then:^{2/}

$$(5) \quad M_k^{\text{Con}} = b_k M_k$$

Together with equation (4), this assumption allows an estimate of M_k^{Con} from the UNSO Commodity Trade Statistics.

Occasionally, the I/O tables do not include separate rows of imported materials in the transactions matrix. Instead, domestic and imported transactions are combined in one row. In this case, equation (4) above must be modified before b_k can be computed to account for the fact that the deliveries of k to the construction sector are not just Q_k^{Con} but $Q_k^{\text{Con M}} = Q_k^{\text{Con}} + M_k^{\text{Con}}$. Thus,

$$b_k = \frac{Q_k^{\text{Con M}} - b_k M_k}{Q_k - X_k}$$

$$(4') \quad = \frac{Q_k^{\text{Con M}}}{Q_k - X_k + M_k}$$

^{2/} A stronger version of this assumption would be to say that imports of k are distributed among all the receiving sectors in the same way as domestic production is allocated.

The estimated b_k coefficients for the different regions and materials are shown in chart A.1.

Chart A.1. Estimated b_k coefficients by region and category

	<u>k = 1</u> Non-metallic mineral	<u>k = 2</u> Primary metal	<u>k = 3</u> Finished metal	<u>k = 4</u> Wood	<u>k = 5</u> Chemical	<u>k = 6</u> Minimally processed
North America	0.525	0.326	0.413	0.415	0.476	0.481
North Europe	0.507	0.312	0.439	0.387	0.476	0.516
South Europe	0.513	0.305	0.439	0.369	0.513	0.516
European CPE	0.660	0.405	0.396	0.391	0.313	0.619
Japan	0.624	0.323	0.531	0.553	0.497	0.551
Other developed	0.667	0.326	0.367	0.496	0.464	0.624
Latin America	0.675	0.248	0.259	0.503	0.566	0.584
Tropical Africa	0.624	0.307	0.444	0.535	0.683	0.960
North Africa	0.661	0.327	0.390	0.316	0.531	0.824
West Asia	0.661	0.327	0.390	0.316	0.531	0.824
South Asia	0.664	0.320	0.215	0.503	0.537	0.599
South-East Asia	0.860	0.501	0.609	0.492	0.624	0.865
East Asia (Mfg)	0.704	0.306	0.264	0.661	0.772	0.619
Asian CPE	0.664	0.320	0.215	0.503	0.519	0.599
NES	0.860	0.501	0.609	0.492	0.624	0.865

The coefficients in chart A.1 show the shares of the total production of material k , as defined above, that goes into the construction industry, i.e. is here considered building materials. To illustrate, in North America, 41.5 per cent of all those wood materials included in the set of wood products on page 2 is building materials.

Since exports by one country constitute imports by another, an analogous argument presented above concerning the allocation of M_k among sectors can be applied to X_k as well:

$$(6) \quad X_{k,r}^{Con} = b_{k,r}^X X_{k,r}$$

However, now the $b_{k,r}^X$ proportions have to be estimated based upon the distributions in the export markets, not in the exporting country or region itself:

$$(7) \quad b_{k,r}^X = \sum_i w_{k,i} b_{k,i}$$

$$w_{k,i} = \frac{X_{k,ri}}{X_{k,r}}$$

where $X_{k,ri}$ is the export of k from region r to region i , and $X_{k,r}$ is all exports of k from region r .^{3/}

The estimated b_k^X coefficients for the different regions and materials are shown in chart A.2.

Since C_k^{Con} is available for each region (estimated as a derived demand by the construction industry, see section F), equations (2), (5) and (6) and assumption (4) or (4') allows computation of Q_k^{Con} as a residual:

$$(8) \quad Q_k^{Con} = C_k^{Con} - b_{k,k}^M + b_{k,k}^X X_k$$

^{3/} In practice, the majority of exports go to one particular region (often the same as the exporting region) in which case the weighting factors $w_{k,i}$ have only a very small numerical effect on the estimate of b^X and, therefore, could be omitted without significant loss in accuracy. In that case, b^X becomes simply the corresponding b of the most important export region.

Chart A.2. Estimated b_k^X coefficients by region and category

	$k = 1$ Non-metallic mineral	$k = 2$ Primary metal	$k = 3$ Finished Metal	$k = 4$ Wood	$k = 5$ Chemical	$k = 6$ Minimally processed
North America	0.576	0.311	0.366	0.437	0.445	0.498
North Europe	0.553	0.299	0.371	0.420	0.443	0.548
South Europe	0.618	0.299	0.342	0.460	0.404	0.647
European CPE	0.617	0.246	0.364	0.437	0.450	0.597
Japan	0.652	0.314	0.355	0.437	0.474	0.742
Other developed	0.418	0.226	0.262	0.417	0.365	0.416
Latin America	0.620	0.322	0.349	0.472	0.448	0.476
Tropical Africa	0.584	0.277	0.327	0.405	0.500	0.590
North Africa	0.633	0.283	0.329	0.511	0.519	0.709
West Asia	0.693	0.327	0.349	0.456	0.528	0.709
South Asia	0.687	0.325	0.355	0.438	0.518	0.619
South-East Asia	0.695	0.331	0.349	0.442	0.519	0.754
East Asia (Mfg)	0.679	0.322	0.364	0.425	0.516	0.676
Asian CPE	0.694	0.304	0.327	0.453	0.498	0.736
NES	0.695	0.331	0.349	0.442	0.519	0.754

Note: The major export markets were determined from the three years given in the D-tables.

The coefficients in chart A.2 show the proportions of total exports of material k, as defined in the introduction, that is intended for the construction sector in the export market.

Table A.01.1. Production of and trade in all building materials, 1975, 1980 and estimated 1985
(Constant 1975 billion US dollars)

Region	Production			Imports			Exports		
	1975	1980	1985	1975	1980	1985	1975	1980	1985
TOTAL	277,069	326,267	394,063	26,311	37,051	45,824	24,494	34,496	42,786
DEVELOPED MARKET ECONOMIES	190,837	211,529	251,721	16,103	23,865	29,013	21,954	30,412	37,175
North America	49,383	57,157	70,664	2,959	4,106	6,977	3,123	4,381	5,664
Europe North	84,191	91,588	107,040	10,956	17,004	18,594	14,762	20,353	23,988
Europe South	13,337	15,126	17,647	1,057	1,182	1,419	924	1,698	2,234
Japan	36,291	40,789	48,688	448	816	899	2,951	3,577	4,638
Other developed	7,635	6,869	7,682	683	757	1,124	184	403	653
DEVELOPING COUNTRIES	34,589	52,270	66,122	7,518	10,744	13,887	1,609	2,821	4,464
Latin America	11,807	17,446	21,215	1,424	1,831	2,391	389	731	974
Tropical Africa	3,342	3,860	4,347	1,019	1,077	1,382	120	143	166
North Africa	2,995	4,462	5,355	1,086	1,311	1,615	14	13	23
West Asia	5,367	8,964	10,650	2,346	3,839	4,876	193	305	450
South Asia	6,102	7,435	9,580	180	396	602	110	127	234
East Asia (Mfg)	2,991	6,631	10,237	770	1,377	1,927	572	1,164	2,167
Southeast Asia	1,985	3,472	4,738	693	913	1,094	211	338	450
CENTRALLY PLANNED ECONOMIES	51,643	62,468	76,220	2,690	2,442	2,924	931	1,263	1,147
European	46,795	53,459	65,286	2,367	2,012	2,461	827	1,036	909
Asian	4,848	9,009	10,934	323	430	463	104	227	238

Table A.01.11. Shares and annual growth rates
(Percentage)

Region	Production					Imports					Exports				
	Share		Growth			Share		Growth			Share		Growth		
	1975	1980	1985	1975-1980	1980-1985	1975	1980	1985	1975-1980	1980-1985	1975	1980	1985	1975-1980	1980-1985
TOTAL	100.0	100.0	100.0	3.3	3.8	100.0	100.0	100.0	7.0	4.3	100.0	100.0	100.0	7.0	4.4
DEVELOPED MARKET ECONOMIES	68.8	64.8	63.8	2.0	3.5	61.2	64.4	63.3	8.1	3.9	89.6	88.1	86.8	6.7	4.0
North America	17.8	17.5	17.9	2.9	4.3	11.2	11.0	15.2	6.7	11.1	12.7	12.7	13.2	7.0	5.2
Europe North	30.3	28.0	27.1	1.6	3.1	41.6	45.8	40.5	9.1	1.8	60.2	59.0	56.0	6.6	3.3
Europe South	4.8	4.5	4.4	2.5	3.1	4.0	3.1	3.0	2.2	3.7	3.7	4.9	5.2	12.9	5.6
Japan	13.0	12.5	12.3	2.3	3.6	1.7	2.2	1.9	12.7	1.9	12.0	10.3	10.8	3.8	5.3
Other developed	2.7	2.1	1.9	-2.0	2.2	2.5	2.0	2.4	2.0	8.2	0.7	1.1	1.5	16.9	10.1
DEVELOPING COUNTRIES	12.4	16.0	16.7	8.6	4.8	28.5	28.9	30.3	7.4	5.2	6.5	8.1	10.4	11.8	9.6
Latin America	4.2	5.3	5.3	8.1	3.9	5.4	4.9	5.2	5.1	5.4	1.5	2.1	2.2	13.4	5.9
Tropical Africa	1.2	1.1	1.1	2.9	2.4	3.8	2.9	3.0	1.1	5.1	0.4	0.4	0.3	3.5	3.0
North Africa	1.0	1.3	1.3	8.2	3.7	4.1	3.5	3.5	3.8	4.2	-	-	-	-1.4	12.0
West Asia	1.9	2.7	2.7	10.8	3.5	8.9	10.3	10.6	10.3	4.8	0.7	0.8	1.0	9.5	8.0
South Asia	2.2	2.2	2.4	4.0	5.2	0.6	1.0	1.3	17.0	8.7	0.4	0.3	0.5	2.9	13.0
East Asia (Mfg)	1.0	2.0	2.5	17.2	9.0	2.9	3.7	4.2	12.8	6.9	2.3	3.3	5.0	15.2	13.2
Southeast Asia	0.7	1.0	1.2	11.8	6.4	2.6	2.4	2.3	5.6	3.6	0.8	0.9	1.0	9.8	5.8
CENTRALLY PLANNED ECONOMIES	18.6	19.1	19.3	3.8	4.0	10.2	6.5	6.3	-1.9	3.6	3.8	3.6	2.6	6.2	-1.9
European	16.8	16.3	16.5	2.6	4.0	8.9	5.4	5.3	-3.1	4.1	3.3	3.0	2.1	4.6	-2.5
Asian	1.7	2.7	2.7	13.1	3.9	1.2	1.1	1.0	5.8	1.4	0.4	0.6	0.5	16.8	0.9

Table A.02.1. Production of and trade in non-metallic mineral building materials, 1975, 1980 and estimated 1985
(Constant 1975 million US dollars)

Region	Production			Imports			Exports		
	1975	1980	1985	1975	1980	1985	1975	1980	1985
TOTAL	83,473	99,185	120,592	3,377	5,699	6,997	3,209	4,786	6,510
DEVELOPED MARKET ECONOMIES	50,369	55,821	67,138	1,716	2,766	3,046	2,658	4,002	5,502
North America	11,775	13,567	17,217	247	411	577	274	401	614
Europe North	20,980	23,070	27,119	1,229	2,024	2,079	1,812	2,704	3,406
Europe South	5,419	6,029	7,220	107	146	130	263	466	774
Japan	9,661	10,919	13,058	24	57	75	284	392	623
Other developed	2,534	2,236	2,524	109	128	185	25	39	85
DEVELOPING COUNTRIES	14,145	20,462	25,441	1,489	2,725	3,706	372	544	762
Latin America	4,931	7,074	8,571	221	396	566	72	133	185
Tropical Africa	1,227	1,428	1,523	265	256	428	30	30	33
North Africa	1,450	2,149	2,490	254	256	415	8	2	7
West Asia	2,461	3,582	4,350	397	1,163	1,417	82	132	203
South Asia	2,430	2,907	3,699	35	145	237	38	22	22
East Asia (Mfg)	1,193	2,491	3,691	167	37	440	134	207	290
Southeast Asia	453	831	1,117	150	162	203	8	18	22
CENTRALLY PLANNED ECONOMIES	18,959	22,902	28,013	172	208	245	179	240	246
European	16,720	18,837	23,140	166	190	214	136	161	191
Asian	2,239	4,065	4,873	6	18	31	43	79	55

Table A.02.11. Shares and annual growth rates
(Percentage)

Region	Production					Imports					Exports				
	Share			Growth		Share			Growth		Share			Growth	
	1975	1980	1985	1975-1980	1980-1985	1975	1980	1985	1975-1980	1980-1985	1975	1980	1985	1975-1980	1980-1985
TOTAL	100.0	100.0	100.0	3.5	3.9	100.0	100.0	100.0	11.0	4.1	100.0	100.0	100.0	8.3	6.3
DEVELOPED MARKET ECONOMIES	60.3	56.2	55.6	2.0	3.7	50.8	48.5	43.5	10.0	1.9	82.8	83.6	84.5	8.5	6.5
North America	14.1	13.6	14.2	2.8	4.8	7.3	7.2	8.2	10.7	7.0	8.5	8.3	9.4	7.9	8.8
Europe North	25.1	23.2	22.4	1.9	3.2	36.3	35.5	29.7	10.4	0.5	56.4	56.4	52.3	8.3	4.7
Europe South	6.4	6.0	5.9	2.1	3.6	3.1	2.5	1.8	6.4	-2.2	8.1	9.7	11.8	12.1	10.6
Japan	11.5	11.0	10.8	2.4	3.6	0.7	1.0	1.0	18.8	5.6	8.8	8.1	9.5	6.6	9.7
Other developed	3.0	2.2	2.0	-2.4	2.4	3.2	2.2	2.6	3.2	7.6	0.7	0.8	1.3	9.3	16.8
DEVELOPING COUNTRIES	16.9	20.6	21.0	7.6	4.4	44.0	47.8	52.9	12.8	6.3	11.5	11.3	11.7	7.8	6.9
Latin America	5.9	7.1	7.1	7.4	3.9	6.5	6.9	8.0	12.3	7.4	2.2	2.7	2.8	13.0	6.8
Tropical Africa	1.4	1.4	1.2	3.0	1.2	7.8	4.4	6.1	-0.6	10.8	0.9	0.6	0.5	-	1.9
North Africa	1.7	2.1	2.0	8.1	2.9	7.5	4.4	5.9	0.1	10.1	0.2	-	0.1	-24.2	28.4
West Asia	2.9	3.6	3.6	7.7	3.9	11.7	20.4	20.2	23.9	4.0	2.5	2.7	3.1	9.9	8.9
South Asia	2.9	2.9	3.0	3.6	4.9	1.0	2.5	3.3	32.8	10.3	1.1	0.4	0.3	-10.3	-
East Asia (Mfg)	1.4	2.5	3.0	15.8	8.1	4.9	6.0	6.2	15.7	4.8	4.1	4.3	4.4	9.0	6.9
Southeast Asia	0.5	0.8	0.9	12.9	6.0	4.4	2.8	2.9	1.5	4.6	0.2	0.3	0.3	17.6	4.0
CENTRALLY PLANNED ECONOMIES	22.7	23.0	23.2	3.8	4.1	5.0	3.6	3.5	3.8	3.3	5.5	5.0	3.7	6.0	0.4
European	20.0	18.9	19.1	2.4	4.2	4.9	3.3	3.0	2.7	2.4	4.2	3.3	2.9	3.4	3.4
Asian	2.6	4.0	4.0	12.6	3.6	0.1	0.3	0.4	24.5	11.4	1.3	1.6	0.8	12.9	-6.9

Table A.03.1. Production of and trade in primary metal building materials, 1975, 1980 and estimated 1985
(Constant 1975 million US dollars)

Region	Production			Imports			Exports		
	1975	1980	1985	1975	1980	1985	1975	1980	1985
TOTAL	42,840	52,602	63,152	9,317	10,980	13,866	8,480	10,742	12,963
DEVELOPED MARKET ECONOMIES	29,147	31,912	37,247	4,587	6,441	8,104	7,971	9,752	11,450
North America	5,645	6,268	7,111	1,140	1,547	2,632	865	973	1,086
Europe North	14,304	15,029	17,512	2,888	4,380	4,785	4,968	5,991	6,839
Europe South	1,175	1,550	1,760	314	289	347	268	516	581
Japan	7,401	8,388	10,069	43	55	52	1,823	2,115	2,641
Other developed	622	677	795	202	170	288	47	157	303
DEVELOPING COUNTRIES	5,166	9,445	12,320	2,920	3,040	3,940	262	615	1,250
Latin America	1,809	2,856	3,510	446	470	609	81	186	287
Tropical Africa	352	487	556	300	254	316	10	15	30
North Africa	531	869	1,067	349	381	442	1	6	8
West Asia	480	1,738	1,937	1,206	1,056	1,442	47	70	93
South Asia	1,147	1,391	1,825	95	147	191	29	25	61
East Asia (Mfg)	693	1,728	2,847	246	395	567	91	304	756
Southeast Asia	154	376	578	278	337	373	3	9	15
CENTRALLY PLANNED ECONOMIES	8,527	11,245	13,585	1,810	1,499	1,822	247	375	263
European	7,309	8,829	10,599	1,550	1,210	1,539	224	314	197
Asian	1,218	2,416	2,986	260	289	283	23	61	66

Table A.03.11. Shares and annual growth rates
(Percentage)

Region	Production					Imports					Exports				
	Share		Growth			Share		Growth			Share		Growth		
	1975	1980	1985	1975-1980	1980-1985	1975	1980	1985	1975-1980	1980-1985	1975	1980	1985	1975-1980	1980-1985
TOTAL	100.0	100.0	100.0	4.1	3.7	100.0	100.0	100.0	3.3	4.7	100.0	100.0	100.0	4.8	3.8
DEVELOPED MARKET ECONOMIES	68.0	60.6	58.9	1.8	3.1	49.2	58.6	58.4	7.0	4.7	93.9	90.7	88.3	4.1	3.2
North America	13.1	11.9	11.2	2.1	2.5	12.2	14.0	18.9	6.2	11.2	10.2	9.0	8.3	2.3	2.2
Europe North	33.3	28.5	27.7	0.9	3.1	30.9	39.8	34.5	8.6	1.7	58.5	55.7	52.7	3.8	2.6
Europe South	2.7	2.9	2.7	5.6	2.5	3.3	2.6	2.5	-1.6	3.7	3.1	4.8	4.4	13.9	2.4
Japan	17.2	15.9	15.9	2.5	3.7	0.4	0.5	0.3	5.0	-1.1	21.4	19.6	20.3	3.0	4.5
Other developed	1.4	1.2	1.2	1.7	3.2	2.1	1.5	2.0	-3.3	11.1	0.5	1.4	2.3	27.2	14.0
DEVELOPING COUNTRIES	12.0	17.9	19.5	12.8	5.4	31.3	27.6	28.4	0.8	5.3	3.0	5.7	9.6	18.6	15.2
Latin America	4.2	5.4	5.5	9.5	4.2	4.7	4.2	4.3	1.0	5.3	0.9	1.7	2.2	18.0	9.0
Tropical Africa	0.8	0.9	0.8	6.7	2.6	3.2	2.3	2.2	-3.2	4.4	0.1	0.1	0.2	8.4	14.8
North Africa	1.2	1.6	1.6	10.3	4.1	3.7	3.4	3.1	1.7	3.0	-	-	-	43.0	5.9
West Asia	1.1	3.3	3.0	29.3	2.1	12.9	9.6	10.3	-2.6	6.4	0.5	0.6	0.7	8.2	5.8
South Asia	2.6	2.6	2.8	3.9	5.5	1.0	1.3	1.3	9.1	5.3	0.3	0.2	0.4	-2.9	19.5
East Asia (Mfg)	1.6	3.2	4.5	20.0	10.5	2.6	3.5	4.0	9.9	7.4	1.0	2.8	5.8	27.2	19.9
Southeast Asia	0.3	0.7	0.9	19.5	8.9	2.9	3.0	2.6	3.9	2.0	-	-	0.1	24.5	10.7
CENTRALLY PLANNED ECONOMIES	19.9	21.3	21.5	5.6	3.8	19.4	13.6	13.1	-3.7	3.9	2.9	3.4	2.0	8.7	-6.8
European	17.0	16.7	16.7	3.8	3.7	16.6	11.0	11.0	-4.8	4.9	2.6	2.9	1.5	6.9	-8.9
Asian	2.8	4.5	4.7	14.6	4.3	2.7	2.6	2.0	2.1	-0.4	0.2	0.5	0.5	21.5	1.5

Table A.04.1. Production of and trade in finished metal building materials, 1975, 1980 and estimated 1985
(Constant 1975 million US dollars)

Region	Production			Imports			Exports		
	1975	1980	1985	1975	1980	1985	1975	1980	1985
TOTAL	72,956	83,852	100,995	5,849	7,893	9,228	5,469	7,510	8,633
DEVELOPED MARKET ECONOMIES	54,001	60,453	71,971	3,947	5,218	5,941	5,194	7,041	7,864
North America	17,188	19,799	24,854	633	875	1,163	779	978	1,093
Europe North	21,759	24,058	27,601	2,765	3,762	4,014	3,740	5,006	5,334
Europe South	3,043	3,453	3,975	267	266	324	194	339	405
Japan	9,807	11,198	13,417	101	124	140	440	663	958
Other developed	2,204	1,945	2,124	181	191	300	41	55	74
DEVELOPING COUNTRIES	4,529	6,731	8,598	1,464	2,293	2,796	173	351	628
Latin America	1,931	2,864	3,512	254	307	371	48	86	118
Tropical Africa	248	261	383	244	294	263	4	3	5
North Africa	429	631	775	259	343	400	2	2	3
West Asia	896	1,260	1,418	403	901	1,194	18	32	44
South Asia	550	693	897	22	33	49	23	41	63
East Asia (Mfg)	220	568	963	124	190	264	75	180	383
Southeast Asia	255	454	650	158	225	255	3	7	12
CENTRALLY PLANNED ECONOMIES	14,426	16,668	20,426	438	382	491	102	118	141
European	13,989	15,864	19,407	409	338	461	81	78	71
Asian	437	804	1,019	29	44	30	21	40	70

Table A.04.11. Shares and annual growth rates
(Percentage)

Region	Production					Imports					Exports				
	Share			Growth		Share			Growth		Share			Growth	
	1975	1980	1985	1975-1980	1980-1985	1975	1980	1985	1975-1980	1980-1985	1975	1980	1985	1975-1980	1980-1985
TOTAL	100.0	100.0	100.0	2.8	3.7	100.0	100.0	100.0	6.1	3.1	100.0	100.0	100.0	6.5	2.8
DEVELOPED MARKET ECONOMIES	74.0	72.0	71.2	2.2	3.5	67.4	66.1	64.3	5.7	2.6	94.9	93.7	91.0	6.2	2.2
North America	23.5	23.6	24.6	2.8	4.6	10.8	11.0	12.6	6.6	5.0	14.2	13.0	12.6	4.6	2.2
Europe North	29.8	28.6	27.3	2.0	2.7	47.2	47.6	43.4	6.3	1.3	68.3	66.6	61.7	6.0	1.2
Europe South	4.1	4.1	3.9	2.5	2.8	4.5	3.3	3.5	-	4.0	3.5	4.5	4.6	11.8	3.6
Japan	13.4	13.3	13.2	2.6	3.6	1.7	1.5	1.5	4.1	2.4	8.0	8.8	11.0	8.5	7.6
Other developed	3.0	2.3	2.1	-2.4	1.7	3.0	2.4	3.2	1.0	9.4	0.7	0.7	0.8	6.0	6.1
DEVELOPING COUNTRIES	6.2	8.0	8.5	8.2	5.0	25.0	29.0	30.2	9.3	4.0	3.1	4.6	7.2	15.1	12.3
Latin America	2.6	3.4	3.4	8.2	4.1	4.3	3.8	4.0	3.8	3.8	0.8	1.1	1.3	12.3	6.5
Tropical Africa	0.3	0.3	0.3	1.0	7.9	4.1	3.7	2.8	3.7	-2.2	-	-	-	-5.5	10.7
North Africa	0.5	0.7	0.7	8.0	4.1	4.4	4.3	4.3	5.7	3.1	-	-	-	-	8.4
West Asia	1.2	1.5	1.4	7.0	2.3	6.8	11.4	12.9	17.4	5.7	0.3	0.4	0.5	12.1	6.5
South Asia	0.7	0.8	0.8	4.7	5.2	0.3	0.4	0.5	8.4	8.2	0.4	0.5	0.7	12.2	8.9
East Asia (Mfg)	0.3	0.6	0.9	20.8	11.1	2.1	2.4	2.8	8.9	6.7	1.3	2.3	4.4	19.1	16.3
Southeast Asia	0.3	0.5	0.6	12.2	7.4	2.7	2.6	2.7	7.3	2.5	-	-	0.1	18.4	11.3
CENTRALLY PLANNED ECONOMIES	19.7	19.8	20.2	2.9	4.1	7.4	4.8	5.3	-2.6	5.1	1.8	1.5	1.6	2.9	3.0
European	19.1	18.9	19.2	2.5	4.1	6.9	4.2	4.9	-3.7	6.4	1.4	1.0	0.8	-0.7	-1.8
Asian	0.5	0.9	1.0	12.9	4.8	0.4	0.5	0.3	8.6	-7.3	0.3	0.5	0.8	13.7	11.8

Table A.05.1. Production of and trade in wood building materials, 1975, 1980 and estimated 1985
(Constant 1975 million US dollars)

Region	Production			Imports			Exports		
	1975	1980	1985	1975	1980	1985	1975	1980	1985
TOTAL	47,569	54,863	66,598	3,378	5,435	6,616	3,240	4,776	6,116
DEVELOPED MARKET ECONOMIES	35,196	38,714	46,215	2,788	4,363	5,500	2,231	3,397	4,429
North America	10,856	12,735	15,461	654	874	1,970	813	1,246	1,788
Europe North	15,110	16,158	19,166	1,707	2,805	2,836	1,251	1,875	2,318
Europe South	1,632	1,842	2,149	125	140	139	113	199	234
Japan	6,050	6,538	7,877	204	430	417	39	30	23
Other developed	1,548	1,381	1,562	98	114	138	15	47	66
DEVELOPING COUNTRIES	6,269	8,959	11,692	542	998	1,043	661	991	1,350
Latin America	1,940	2,792	3,451	120	183	180	140	202	247
Tropical Africa	952	1,080	1,244	36	50	54	67	90	90
North Africa	75	99	160	118	174	169	1	2	2
West Asia	465	659	895	134	330	311	28	39	61
South Asia	1,354	1,694	2,205	8	12	13	14	23	45
East Asia (Mfg)	658	1,309	1,974	115	230	294	216	343	521
Southeast Asia	825	1,326	1,763	11	19	22	195	292	384
CENTRALLY PLANNED ECONOMIES	6,104	7,190	8,691	48	74	73	348	388	337
European	5,606	6,284	7,604	48	70	66	341	372	325
Asian	498	906	1,087	-	4	7	7	16	12

Table A.05.11. Shares and annual growth rates
(Percentage)

Region	Production					Imports					Exports				
	Share			Growth		Share			Growth		Share			Growth	
	1975	1980	1985	1975-1980	1980-1985	1975	1980	1985	1975-1980	1980-1985	1975	1980	1985	1975-1980	1980-1985
TOTAL	100.0	100.0	100.0	2.8	3.9	100.0	100.0	100.0	9.9	4.0	100.0	100.0	100.0	8.0	5.0
DEVELOPED MARKET ECONOMIES	73.9	70.5	69.3	1.9	3.6	82.5	80.2	83.1	9.3	4.7	68.8	71.1	72.4	8.7	5.4
North America	22.8	23.2	23.2	3.2	3.9	19.3	16.0	29.7	5.9	17.6	25.0	26.0	29.2	8.9	7.4
Europe North	31.7	29.4	28.7	1.3	3.4	50.5	51.6	42.8	10.4	0.2	38.6	39.2	37.9	8.4	4.3
Europe South	3.4	3.3	3.2	2.4	3.1	3.7	2.5	2.1	2.2	-0.1	3.4	4.1	3.8	11.9	3.2
Japan	12.7	12.0	11.8	1.7	3.6	6.0	7.9	6.3	16.0	-0.6	1.2	0.6	0.3	-5.1	-5.1
Other developed	3.2	2.5	2.3	-2.2	2.4	2.9	2.0	2.0	3.0	3.8	0.4	0.9	1.0	25.6	7.0
DEVELOPING COUNTRIES	13.1	16.3	17.5	7.4	5.4	16.0	18.3	15.7	12.9	0.8	20.4	20.7	22.0	8.4	6.3
Latin America	4.0	5.0	5.1	7.5	4.3	3.5	3.3	2.7	8.8	-0.3	4.3	4.2	4.0	7.6	4.1
Tropical Africa	2.0	1.9	1.8	2.5	2.8	1.0	0.9	0.8	6.7	1.5	2.0	1.8	1.4	6.0	-
North Africa	0.1	0.1	0.2	5.7	10.0	3.4	3.2	2.5	8.0	-0.5	-	-	-	14.8	-
West Asia	0.9	1.2	1.3	7.2	6.3	3.9	6.0	4.7	19.7	-1.1	0.8	0.8	0.9	6.8	9.3
South Asia	2.8	3.0	3.3	4.5	5.4	0.2	0.2	0.1	8.4	1.6	0.4	0.4	0.7	10.4	14.3
East Asia (Mfg)	1.3	2.3	2.9	14.7	8.5	3.4	4.2	4.4	14.8	5.0	6.6	7.1	8.5	9.6	8.7
Southeast Asia	1.7	2.4	2.6	9.9	5.8	0.3	0.3	0.3	11.5	2.9	6.0	6.1	6.2	8.4	5.6
CENTRALLY PLANNED ECONOMIES	12.8	13.1	13.0	3.3	3.8	1.4	1.3	1.1	9.0	-0.2	10.7	8.1	5.5	2.1	-2.7
European	11.7	11.4	11.4	2.3	3.8	1.4	1.2	0.9	7.8	-1.1	10.5	7.7	5.3	1.7	-2.6
Asian	1.0	1.6	1.6	12.7	3.7	-	-	0.1	-	11.8	0.2	0.3	0.1	17.9	-5.5

Table A.06.1. Production of and trade in chemical building materials, 1975, 1980 and estimated 1985
(Constant 1975 million US dollars)

Region	Production			Imports			Exports		
	1975	1980	1985	1975	1980	1985	1975	1980	1985
TOTAL	13,921	16,260	19,357	4,128	6,699	8,720	3,869	6,360	8,193
DEVELOPED MARKET ECONOMIES	11,286	12,655	15,095	2,877	4,817	6,139	3,711	5,968	7,664
North America	2,373	3,005	3,761	273	376	609	377	760	1,054
Europe North	6,602	7,298	8,781	2,225	3,854	4,686	2,860	4,603	5,923
Europe South	569	625	677	232	326	461	66	154	219
Japan	1,253	1,318	1,461	55	109	173	374	376	391
Other developed	489	409	415	92	152	210	34	75	77
DEVELOPING COUNTRIES	1,433	2,122	2,410	1,031	1,605	2,291	111	262	387
Latin America	827	1,309	1,513	371	462	648	40	99	120
Tropical Africa	175	151	128	154	219	304	5	5	8
North Africa	22	19	20	93	144	176	-	1	1
West Asia	141	204	208	192	354	475	13	26	40
South Asia	137	140	143	19	56	109	2	2	3
East Asia (Mfg)	90	241	338	112	207	347	49	120	204
Southeast Asia	41	58	60	90	163	232	2	9	11
CENTRALLY PLANNED ECONOMIES	1,202	1,483	1,852	220	277	290	47	130	142
European	1,107	1,320	1,682	192	202	178	42	108	122
Asian	95	163	170	28	75	112	5	22	20

Table A.06.11. Shares and annual growth rates
(Percentage)

Region	Production					Imports					Exports				
	Share			Growth		Share			Growth		Share			Growth	
	1975	1980	1985	1975-1980	1980-1985	1975	1980	1985	1975-1980	1980-1985	1975	1980	1985	1975-1980	1980-1985
TOTAL	100.0	100.0	100.0	3.1	3.5	100.0	100.0	100.0	10.1	5.4	100.0	100.0	100.0	10.4	5.1
DEVELOPED MARKET ECONOMIES	81.0	77.8	77.9	2.3	3.5	69.3	71.9	70.4	10.8	4.9	95.9	93.8	93.5	9.9	5.1
North America	17.0	18.4	19.4	4.8	4.5	6.6	5.6	6.9	6.6	10.1	9.7	11.9	12.8	15.0	6.7
Europe North	47.4	44.8	45.3	2.0	3.7	53.9	57.5	53.7	11.6	3.9	73.9	72.3	72.2	9.9	5.1
Europe South	4.0	3.8	3.4	1.8	1.6	5.6	4.8	5.2	7.0	7.1	1.7	2.4	2.6	18.4	7.2
Japan	9.0	8.1	7.5	1.0	2.0	1.3	1.6	1.9	14.6	9.6	9.6	5.9	4.7	0.1	0.7
Other developed	3.5	2.5	2.1	-3.5	0.2	2.2	2.2	2.4	10.5	6.6	0.8	1.1	0.9	17.1	0.5
DEVELOPING COUNTRIES	10.2	13.0	12.4	8.1	2.5	24.9	23.9	26.2	9.2	7.3	2.8	4.1	4.7	18.7	8.1
Latin America	5.9	8.0	7.8	9.6	2.9	8.9	6.8	7.4	4.4	7.0	1.0	1.5	1.4	19.8	3.9
Tropical Africa	1.2	0.9	0.6	-2.9	-3.2	3.7	3.2	3.4	7.2	6.7	0.1	-	-	-	9.8
North Africa	0.1	0.1	0.1	-2.8	1.0	2.2	2.1	2.0	9.1	4.0	-	-	-	-	-
West Asia	1.0	1.2	1.0	7.6	0.3	4.6	5.2	5.4	13.0	6.0	0.3	0.4	0.4	14.8	8.9
South Asia	0.9	0.8	0.7	0.4	0.4	0.4	0.8	1.2	24.1	14.2	-	-	-	-	8.4
East Asia (Mfg)	0.6	1.4	1.7	21.7	6.9	2.7	3.0	3.9	13.0	10.8	1.2	1.8	2.4	19.6	11.1
Southeast Asia	0.2	0.3	0.3	7.1	0.6	2.1	2.4	2.6	12.6	7.3	-	0.1	0.1	35.0	4.0
CENTRALLY PLANNED ECONOMIES	8.6	9.1	9.5	4.2	4.5	5.3	4.1	3.3	4.7	0.9	1.2	2.0	1.7	22.5	1.7
European	7.9	8.1	8.6	3.5	4.9	4.6	3.0	2.0	1.0	-2.4	1.0	1.6	1.4	20.7	2.4
Asian	0.6	1.0	0.8	11.4	0.8	0.6	1.1	1.2	21.7	8.3	0.1	0.3	0.2	34.4	-1.8

Table A.07.1. Production of and trade in minimally processed mineral building materials, 1975, 1980 and estimated 1985
(Constant 1975 million US dollars)

Region	Production			Imports			Exports		
	1975	1980	1985	1975	1980	1985	1975	1980	1985
TOTAL	16,310	19,505	23,369	262	345	397	227	322	371
DEVELOPED MARKET ECONOMIES	10,838	11,974	14,055	188	260	283	189	252	266
North America	1,546	1,783	2,260	12	23	26	15	23	29
Europe North	5,436	5,975	6,861	142	179	194	131	174	166
Europe South	1,499	1,627	1,866	12	15	18	20	24	21
Japan	2,119	2,368	2,806	21	41	42	1	1	2
Other developed	238	221	262	1	2	3	22	30	48
DEVELOPING COUNTRIES	3,047	4,551	5,661	72	83	111	30	58	87
Latin America	369	551	658	12	13	17	8	25	17
Tropical Africa	388	453	513	20	4	17	4	-	-
North Africa	488	695	843	13	13	13	2	-	2
West Asia	924	1,521	1,842	14	35	37	5	6	9
South Asia	484	610	811	1	3	3	4	14	40
East Asia (Mfg)	137	294	424	6	8	15	7	10	13
Southeast Asia	257	427	570	6	7	9	-	3	6
CENTRALLY PLANNED ECONOMIES	2,425	2,980	3,653	2	2	3	8	12	18
European	2,064	2,325	2,854	2	2	3	3	3	3
Asian	361	655	799	-	-	-	5	9	15

Table A.07.11. Shares and annual growth rates
(Percentage)

Region	Production					Imports					Exports				
	Share			Growth		Share			Growth		Share			Growth	
	1975	1980	1985	1975-1980	1980-1985	1975	1980	1985	1975-1980	1980-1985	1975	1980	1985	1975-1980	1980-1985
TOTAL	100.0	100.0	100.0	3.6	3.6	100.0	100.0	100.0	5.6	2.8	100.0	100.0	100.0	7.2	2.8
DEVELOPED MARKET ECONOMIES	66.4	61.3	60.1	2.0	3.2	71.7	75.3	71.2	6.6	1.7	83.2	78.2	71.6	5.9	1.0
North America	9.4	9.1	9.6	2.8	4.8	4.5	6.6	6.5	13.8	2.4	6.6	7.1	7.8	8.9	4.7
Europe North	33.3	30.6	29.3	1.9	2.8	54.1	51.8	48.8	4.7	1.6	57.7	54.0	44.7	5.8	-0.9
Europe South	9.1	8.3	7.9	1.6	2.7	4.5	4.3	4.5	4.5	3.7	6.8	7.4	5.6	3.7	-2.6
Japan	12.9	12.1	12.0	2.2	3.4	8.0	11.8	10.5	14.3	0.4	0.4	0.3	0.5	-	14.8
Other developed	1.4	1.1	1.1	-1.4	3.4	0.3	0.5	0.7	14.8	8.4	9.6	9.3	12.9	6.3	9.8
DEVELOPING COUNTRIES	18.6	23.3	24.2	8.3	4.4	27.4	24.0	27.9	2.8	5.9	13.2	18.0	23.4	14.0	8.4
Latin America	2.2	2.8	2.8	8.3	3.6	4.5	3.7	4.2	1.6	5.5	3.5	7.7	4.5	25.5	-7.4
Tropical Africa	2.3	2.3	2.1	3.1	2.5	7.6	1.1	4.2	-27.5	33.5	1.7	-	-	-	-
North Africa	2.9	3.5	3.6	7.3	3.9	4.9	3.7	3.2	-	-	0.8	-	0.5	-	-
West Asia	5.6	7.7	7.8	10.4	3.9	5.3	10.1	9.3	20.1	1.1	2.2	1.8	2.4	3.7	8.4
South Asia	2.9	3.1	3.4	4.7	5.8	0.3	0.8	0.7	24.5	-	1.7	4.3	10.7	28.4	23.3
East Asia (Mfg)	0.8	1.5	1.8	16.4	7.5	2.2	2.3	3.7	5.9	13.3	3.0	3.1	3.5	7.3	5.3
Southeast Asia	1.5	2.1	2.4	10.6	5.9	2.2	2.0	2.2	3.1	5.1	-	0.9	1.6	-	14.8
CENTRALLY PLANNED ECONOMIES	14.8	15.2	15.6	4.2	4.1	0.7	0.5	0.7	-	8.4	3.5	3.7	4.8	8.4	8.4
European	12.6	11.9	12.2	2.4	4.1	0.7	0.5	0.7	-	8.4	1.3	0.9	0.8	-	-
Asian	2.2	3.3	3.4	12.6	4.0	-	-	-	-	-	2.2	2.7	4.0	12.4	10.7

Table A.08 Share of exports in the production of building materials, 1975, 1980 and estimated 1985
(Per cent)

Region	Non-metallic mineral products			Primary metal products			Finished metal products		
	1975	1980	1985	1975	1980	1985	1975	1980	1985
TOTAL	3.84	4.82	5.39	19.79	20.42	20.52	7.49	8.95	8.54
DEVELOPED MARKET ECONOMIES	5.27	7.16	8.19	27.34	30.55	30.74	9.61	11.64	10.92
North America	2.32	2.95	3.56	15.32	15.52	15.27	4.53	4.93	4.39
Europe North	8.63	11.72	12.55	34.73	39.86	39.05	17.18	20.80	19.32
Europe South	4.85	7.72	10.72	22.80	33.29	33.01	6.37	9.81	10.18
Japan	2.93	3.59	4.77	24.63	25.21	26.22	4.48	5.92	7.14
Others	0.98	1.74	3.36	7.55	23.19	38.11	1.86	2.82	3.48
DEVELOPING COUNTRIES	2.62	2.65	2.99	5.07	6.51	10.14	3.81	5.21	7.30
Latin America	1.46	1.88	2.15	4.47	6.51	8.17	2.48	3.00	3.35
North Africa	2.44	2.10	2.16	2.84	3.08	5.99	1.61	1.14	1.30
Tropical Africa	0.55	0.09	0.28	0.18	0.69	0.74	0.46	0.31	0.38
West Asia	3.33	3.68	4.66	9.79	4.02	4.80	2.00	2.53	3.10
South Asia	1.56	0.75	0.59	2.52	1.79	3.34	4.18	5.91	7.02
East Asia (Mfg)	11.23	8.36	7.85	13.13	17.59	26.55	34.09	31.69	39.77
Southeast Asia	1.76	2.16	1.96	1.94	2.39	2.59	1.17	1.54	1.84
CENTRALLY PLANNED ECONOMIES	0.94	1.04	0.87	2.89	3.33	1.93	0.70	0.70	0.69
European	0.81	0.85	0.82	3.06	3.55	1.85	0.57	0.49	0.36
Asian	1.92	1.94	1.12	1.88	2.52	2.21	4.80	4.97	6.86

Table A.08 Continued

Region	Wood products			Chemical products			Minimally processed mineral prod.		
	1975	1980	1985	1975	1980	1985	1975	1980	1985
TOTAL	6.81	8.70	9.18	27.79	39.11	42.32	1.39	1.65	1.58
DEVELOPED MARKET ECONOMIES	6.33	8.77	9.58	32.88	47.15	50.77	1.74	2.10	1.89
North America	7.48	9.78	11.56	15.88	25.29	28.02	0.97	1.28	1.28
Europe North	8.27	11.60	12.09	43.32	63.07	67.45	2.40	2.91	2.41
Europe South	6.92	10.80	10.88	11.59	24.64	32.34	1.33	1.47	1.12
Japan	0.64	0.45	0.29	29.84	28.52	26.76	0.04	0.04	0.07
Others	0.96	3.40	4.22	6.95	18.33	18.55	9.24	13.57	18.32
DEVELOPING COUNTRIES	10.54	11.06	11.54	7.74	12.34	16.05	0.98	1.27	1.53
Latin America	7.21	7.23	7.15	4.83	7.56	7.93	2.16	4.53	2.58
North Africa	7.03	8.33	7.23	2.85	3.31	6.25	1.03	-	-
Tropical Africa	1.33	2.02	1.25	-	5.26	5.00	0.40	-	0.23
West Asia	6.02	5.91	6.81	9.21	12.74	19.23	0.54	0.39	0.48
South Asia	1.03	1.35	2.04	1.45	1.42	2.09	0.82	2.29	4.93
East Asia (Mfg)	32.82	26.20	26.39	54.44	49.79	60.35	5.10	3.40	3.06
Southeast Asia	23.63	22.02	21.78	4.87	15.51	18.33	-	0.70	1.05
CENTRALLY PLANNED ECONOMIES	5.70	5.39	3.87	3.91	8.76	7.66	0.32	0.40	0.49
European	6.08	5.91	4.27	3.79	8.18	7.25	0.14	0.12	0.10
Asian	1.40	1.76	1.10	5.26	13.49	11.76	1.38	1.37	1.87

Source: UNIDO secretariat computations.

Section B

Value added and major factors of production by product group,
selected countries, 1975 and 1980

The economists' production function describes what factors of production are required for the production of a certain output, given that the purely technological problems of production have been solved. Traditionally, labour and capital are among the major factors and, depending upon the sector, so is energy. The B-tables present the available statistical information on electricity consumed, gross fixed capital formation and number of employees employed in the generation of a unit of value added in the sub-sectors (ISICs) shown in chart B.1.

Chart B.1. ISICs containing selected building material categories

Major ISIC group	Title of ISIC group	Major building material category
362 and 369	Manufacture of glass and glass products and manufacture of other non-metallic mineral products	Non-metallic mineral products (cement, glass and others)
371 and 372	Iron and steel basic industries and non-ferrous metal basic industries	Primary metal products
381	Manufacture of fabricated metal products, except machinery and equipment	Finished metal products
331 and 122	Manufacture of wood and cork products, except furniture	Wood products

Because information on a detailed ISIC level was not available, it was assumed that building materials as defined in the introduction would show the same relative factor intensities as the ISIC groups comprising building materials shown in chart B.1 and that, therefore, the factor intensity ratios available for the full ISIC groups of chart B.1 could be used as proxies for

building materials proper. However, because building materials comprise such a small fraction of all chemical products and all minimally processed products, this assumption may be untenable for these two categories. Therefore, data are shown only for the four product groups in chart B.1. Moreover, data are shown here only for those countries and categories for which reasonably complete data exist in the UNSO data base.

The quantity of electricity consumed used to compute column 1 of the B-tables is defined as the sum of the quantity of electricity purchased and generated less the quantity of electricity sold to others.

The number of employees is defined as the total number of persons who worked in or for the establishment during the reference year. This figure normally refers to the average number engaged during the reference year. It is intended to include all persons engaged other than working proprietors, active business partners, unpaid family workers and home workers.

The gross fixed capital formation series used to compute Column 3 of the B-tables refers to the value of purchases and own-account construction of fixed assets during the reference year less the value of corresponding sales.

The last two columns of the B-tables show the value added in constant 1975 dollars in the production of four categories of building materials. These estimates were derived as follows: denote the four categories by the index k and the corresponding ISIC groups of chart B.1 by the index i . The factor intensity assumption made above requires that

$$(1) \quad \frac{Y_{k,c}}{Q_{k,c}} = \frac{Y_{i,c}}{Q_{i,c}} = d_{i,c} \quad \text{where}$$

$Y_{k,c}$ = value added in category k production in country c

$Y_{i,c}$ = value added in ISIC i production in country c

$Q_{k,c}$ = gross output of category k in country c

$Q_{i,c}$ = gross output of ISIC i in country c

Therefore, value added could be computed as

$$(2) \quad Y_{k,c} = d_{i,c} * Q_{k,c}$$

However, $Q_{k,c}$ is not available but, from the A-tables, given $Q_{k,r}$ for region r such that c is in r , it can be computed using the implicit assumption made throughout this study that properties of regions are properties of their countries, namely that the share of value added in gross output for a given category k and country c is the same as that for its region r :

$$\frac{Y_{k,c}}{Q_{k,c}} = \frac{Y_{k,r}}{Q_{k,r}} \quad \text{or}$$

$$(3) \quad Q_{k,c} = \frac{Y_{k,c}}{Y_{k,r}} * Q_{k,r}$$

and

$$\frac{Y_{k,c}}{Y_{i,c}} = \frac{Y_{k,r}}{Y_{i,r}} \quad \text{or}$$

$$(4) \quad \frac{Y_{k,c}}{Y_{k,r}} = \frac{Y_{i,c}}{Y_{i,r}}$$

Substituting into equation (3), this gives

$$(5) \quad Q_{k,c} = \frac{Y_{i,c}}{Y_{i,r}} * Q_{k,r}$$

and, further, into equation (2), this gives the reduced form equation for computing the value added columns of the b-tables:

$$(6) \quad Y_{k,c} = d_{i,c} * \frac{Y_{i,c}}{Y_{i,r}} * Q_{k,r}$$

Table B.01 Value added and major factors of production in non-metallic mineral building materials, selected countries
1975 and 1980

Country	kWh/000 US \$ value added		Number of employees/ million US \$ value added		Gross fixed capital formation/ value added		Value added 1975 million US dollars	
	1975	1980	1975	1980	1975	1980	1975	1980
Tunisia	2,199	3,681	226.9	204.8	0.6025	1.3584	71	195
Ethiopia	...	...	211.0	...	0.1429	0.1295	21	23
Kenya	...	...	180.6	199.1	...	...	16	11
Hong Kong	...	...	166.7	...	...	0.5851	11	18
Singapore	1,424	1,886	113.3	86.6	0.2959	0.0896	35	46
Indonesia	2,055	1,861	337.7	124.5	1.1381	0.5125	39	152
Japan	1,680	2,860	88.8	62.8	0.1255	0.0997	4,658	4,892
Iran	...	...	67.5	73.3	...	0.1494	1,442	1,469
Syrian Ar.Rep.	...	...	935.3	886.2	...	...	15	18
Turkey	...	...	164.8	203.4	0.5026	0.0853	244	258
Finland	1,956	1,771	76.0	59.9	0.1972	0.1642	172	201
France	1,089	1,060	61.8	45.4	0.1864	0.1608	2,188	2,397
Germany,F.R.	1,537	1,508	50.3	41.6	0.0705	0.1339	4,089	4,166
Italy	2,950	3,072	77.8	57.7	0.1670	0.1663	1,487	1,719
Sweden	1,938	2,092	48.4	46.5	0.2114	0.1407	447	367
U.K.	1,718	2,041	107.4	110.4	0.0937	0.1248	1,485	1,234
Israel	1,461	1,561	74.1	69.6	0.0718	...	112	90
Hungary	2,177	2,555	173.5	149.0	0.3568	0.2613	139	98
Poland	3,221	3,040	183.1	138.8	0.6438	0.1689	370	333
Brazil	...	...	...	129.3	...	...	1,141	1,868
Colombia	3,781	4,740	171.8	151.6	0.0174	0.1279	104	112
Costa Rica	...	...	249.2	...	0.6557	0.6096	5	5
Mexico	2,455	...	103.4	108.5	0.2160	0.2608	430	606
Nicaragua	...	...	89.0	...	...	0.0157	10	7
Canada	3,121	3,627	45.6	42.7	0.1240	0.1414	623	564
U.S.A.	2,672	2,348	52.4	43.9	0.1084	0.1282	5,719	6,311
Australia	...	...	57.9	46.0	0.1336	0.1554	745	661

Table B.02 Value added and major factors of production in primary metal building materials, selected countries
1975 and 1980

Country	kwh/000 US \$ value added		Number of employees/ million US \$ value added		Gross fixed capital formation/ value added		Value added 1975 million US dollars	
	1975	1980	1975	1980	1975	1980	1975	1980
Tunisia	3,471	4,309	146.9	169.9	0.3289	0.1299	16	21
Ethiopia	...	...	133.0	...	0.0445	0.0283	3	4
Kenya	...	...	273.4	...	...	...	2	2
Hong Kong	...	...	96.6	...	...	0.2013	13	...
Singapore	6,308	6,531	70.1	57.3	0.2366	0.1448	12	17
Indonesia	...	...	...	...	0.1148	0.1213	...	4
Japan	7,053	5,800	49.3	33.6	0.3642	0.1021	1,988	2,609
Iran	...	...	59.8	...	...	0.0242	145	103
Syrian Ar. Rep.	...	...	428.6	...	...	...	...	...
Turkey	...	...	118.0	106.4	0.3362	0.1860	88	527
Finland	5,303	4,358	61.0	36.7	0.6496	0.2031	41	54
France	3,153	3,086	57.8	42.7	0.1701	0.1838	1,164	1,180
Germany, F.R.	3,018	3,025	58.0	46.0	0.1253	0.1261	2,363	2,330
Italy	6,376	6,391	91.1	69.0	0.2679	0.1482	667	604
Sweden	7,849	7,271	69.1	63.0	0.2697	0.2368	170	146
U.K.	4,918	6,203	125.4	134.4	0.2573	0.1196	629	415
Israel	1,772	2,693	81.7	85.0	0.0972	...	9	6
Hungary	3,893	4,099	119.5	106.0	0.1593	0.4497	70	43
Poland	4,090	4,368	74.7	67.9	0.6458	0.2889	200	217
Brazil	3,265	...	188.4	58.0	0.2237	...	200	355
Colombia	4,645	4,401	170.7	177.1	0.1114	0.0831	11	14
Costa Rica	...	...	111.0	...	0.6077	0.0775	...	...
Mexico	3,674	...	64.2	60.8	0.0605	0.0865	113	152
Nicaragua	...	...	70.6	...	...	0.0540	...	...
Canada	6,562	7,180	47.6	45.1	0.2763	0.2277	225	256
U.S.A.	6,405	7,370	48.5	46.8	0.1386	0.1197	1,880	1,974
Australia	...	...	56.9	50.3	0.1717	0.1088	142	128

Table B.03 Value added and major factors of production in finished metal building materials, selected countries
1975 and 1980

Country	kwh/000 US \$ value added		Number of employees/ million US \$ value added		Gross fixed capital formation/ value added		Value added 1975 million US dollars	
	1975	1980	1975	1980	1975	1980	1975	1980
Tunisia	298	821	182.8	490.7	0.1504	0.2873	6	13
Ethiopia	...	...	106.1	49.8	...	0.0254	3	3
Kenya	...	...	221.2	205.0	...	...	2	3
Hong Kong	...	...	293.1	...	...	0.1398	37	...
Singapore	673	1,355	173.0	212.9	0.1185	0.3569	10	31
Indonesia	1,467	1,243	355.7	378.3	0.5441	0.2741	8	24
Japan	...	335	88.2	62.2	0.0551	0.0502	4,445	4,925
Iran	...	...	65.3	79.3	...	0.0790	313	327
Syrian Ar.Rep.	...	...	366.3	...	...	...	13	...
Turkey	...	...	164.1	179.8	0.1480	0.1312	110	240
Finland	528	460	72.7	54.3	0.1467	0.0957	174	253
France	1,302	1,288	67.7	50.5	0.1645	0.1294	2,078	2,863
Germany,F.R.	245	300	53.5	43.5	0.0690	0.0845	3,682	4,636
Italy	817	...	63.6	...	0.1212	0.1000	...	1,525
Sweden	638	683	52.0	45.2	0.1215	0.1161	777	804
U.K.	1,150	1,500	200.1	171.2	0.0630	0.0755	1,134	1,083
Israel	573	654	75.8	86.8	0.1344	...	129	125
Hungary	573	705	183.8	163.8	0.1233	0.1904	...	...
Poland	1,108	1,050	155.1	147.0	0.3818	0.1360	...	...
Brazil	...	...	...	141.6	...	...	215	388
Colombia	814	744	217.9	165.5	0.0371	0.0962	26	39
Costa Rica	...	...	324.1	...	0.1425	0.3721	1	...
Mexico	93	...	123.4	97.7	0.0166	0.0116	172	294
Nicaragua	...	...	98.0	...	...	0.0906	3	...
Canada	581	664	55.8	51.7	0.0682	0.0775	806	778
U.S.A.	1,070	914	56.8	54.5	0.0593	0.0602	7,692	8,852
Australia	...	...	78.7	71.6	0.0660	0.0485	632	580

Table B.04 Value added and major factors of production in wood building materials, selected countries
1975 and 1980

Country	kWh/000 US \$ value added		Number of employees/ million US \$ value added		Gross fixed capital formation/ value added		Value added 1975 million US dollars	
	1975	1980	1975	1980	1975	1980	1975	1980
Tunisia	653	516	374.1	332.2	0.2786	0.0792	2	2
Ethiopia	...	...	326.2	...	0.0389	0.0559	15	20
Kenya	...	...	816.9	754.7	...	...	11	13
Hong Kong	...	...	282.5	...	...	0.0405	19	...
Singapore	3,397	5,293	414.1	552.2	0.1093	0.1641	11	14
Indonesia	956	571	541.3	243.5	0.9079	0.2919	57	290
Japan	...	704	187.8	161.0	0.0553	0.0343	2,049	2,190
Iran	...	...	100.7	209.5	...	0.1128	91	84
Syrian Ar.Rep.	...	...	328.7	335.7	...	...	18	32
Turkey	...	...	178.9	145.2	0.1563	0.0857	78	153
Finland	2,887	2,206	143.8	102.1	0.4112	0.1666	156	367
France	448	734	87.9	95.6	0.1557	0.1937	1,008	611
Germany, F.R.	803	848	94.3	66.0	0.0579	0.0951	1,591	1,815
Italy	944	1,151	63.2	43.8	0.1203	0.1284	786	864
Sweden	936	1,155	49.9	45.6	0.2080	0.1436	1,080	1,026
U.K.	466	535	126.2	124.8	0.0719	0.1020	740	611
Israel	761	899	150.9	146.6	0.0616	...	24	14
Hungary	381	464	79.9	68.6	0.1355	0.1264	105	63
Poland	543	631	127.5	98.6	0.2863	0.1016	322	312
Brazil	704	...	227.1	234.3	0.1250	...	546	787
Colombia	988	886	253.1	162.9	-0.0716	0.0571	22	26
Costa Rica	...	...	137.5	18.2	0.0902	-0.9417	12	...
Mexico	267	...	223.3	189.7	0.0189	0.0234	105	187
Nicaragua	...	...	116.4	75.5	...	0.0026	7	11
Canada	1,985	2,036	75.0	64.0	0.1574	0.1352	845	1,160
U.S.A.	2,524	2,405	80.7	83.9	0.1102	0.1118	3,642	3,771
Australia	...	...	74.9	64.6	0.1092	0.0552	551	433

Section C

Input/output relationships between the construction sector
and other sectors by region, 1980

The first table in this section depicts the distribution of inputs from 14 supplying sectors to the construction sector. It is based on a consistent set of 14 sector input/output tables constructed by UNIDO for nine of the current 14 regions. These nine region tables were allocated to correspond to the present 14 region break-down by assuming that all of West Europe would have approximately the same input distribution, that West Asia and North Africa would be identically distributed, and that East Asia's new manufacturing countries - East Asia (Manufacturing) - would resemble Japan in their input structure rather than the rest of Asia. For the input distribution in the centrally planned economies, the UNIDO secretariat has no reliable estimates. Their ratios of the value of total inputs to gross output have been estimated. For CPE Europe, this was done on the basis of the structure in Czechoslovakia, a country for which input/output coefficients are available to UNIDO. In the case of CPE Asia, this figure was computed based on data from the United Nations Yearbook of Construction Statistics.

The regional coefficients in table C.1 are derived in a consistent manner from a number of within-region country tables. This global consistency has resulted in some sacrifice in details and further estimates that are more specific to the building materials sector have had to be made. Thus, table C.2 presents UNIDO's final estimates of the input/output coefficients^{4/} by region and building material category used to derive the consumption of such materials by the construction sector. They are based on country-specific tables (see section F and chart F.1) but are adjusted heuristically to correspond to known or assumed regional differences.

^{4/} defined as the value of input k over gross output in the construction sector.

Table C.01. Input coefficients for construction sector in 1980 by regions
(Per cent)

Major industrial group or branch	Developed market economies				Developing countries							CPEs	
	North America	Western Europe	Japan	Other developed	Latin America	Tropical Africa	North Africa	West Asia	South Asia	East Asia (Mfg)	S.East Asia	Europe	Asia
Agriculture	0	0	0	0	0	1	0	0	2	0	2	...	...
Agro-food	0	0	0	0	0	0	0	0	0	0	0	...	...
Energy	0	0	1	0	1	2	0	0	0	1	0	...	...
Petr. & coal products	3	3	1	1	1	1	0	0	1	1	1	...	...
Mining & quarrying	1	2	6	12	2	12	9	9	0	6	0	...	...
Primary metal products	3	3	4	4	10	0	11	11	15	4	15	...	...
Chemical products	8	11	10	10	17	9	10	10	16	10	16	...	...
Textiles	0	0	1	0	0	1	0	0	0	1	0	...	...
Metal products	7	3	5	5	2	1	4	4	0	5	0	...	...
Light manufacturing	7	6	10	5	6	3	3	3	5	10	5	...	...
Capital goods	3	5	2	5	1	5	4	4	0	2	0	...	...
Construction	0	4	0	4	0	11	2	2	0	0	0
Trade & transport	12	7	10	9	9	8	8	8	26	10	26
Other services	8	7	6	4	3	6	2	2	1	6	1
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Total input materials	53	53	56	59	50	60	54	54	66	56	66	60	56
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Value added	44	47	44	41	50	40	46	46	34	44	34	40	44
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Gross output	100	100	100	100	100	100	100	100	100	100	100	100	100

Source: UNIDO secretariat

Table C.02 Regional input/output coefficients by building material category

Regions	Non-metallic minerals	Primary metals	Finished metals	Wood products	Chemical products	Minimally processed	Sum of I/O coefficients
DEVELOPED MARKET ECONOMIES							
North America	0.0645	0.0325	0.0936	0.0588	0.0125	0.0085	0.2703
Europe North	0.0750	0.0450	0.0764	0.0572	0.0219	0.0200	0.2956
Europe South	0.1522	0.0354	0.0902	0.0476	0.0213	0.0432	0.3899
Japan	0.0850	0.0508	0.0856	0.0562	0.0084	0.0193	0.3054
Other developed	0.1002	0.0298	0.0897	0.0624	0.0210	0.0083	0.3114
DEVELOPING COUNTRIES							
Latin America	0.1186	0.0515	0.0502	0.0441	0.0240	0.0087	0.2971
Tropical Africa	0.0903	0.0396	0.0300	0.0568	0.0200	0.0249	0.2616
North Africa	0.1482	0.0768	0.0600	0.0167	0.0100	0.0437	0.3554
West Asia	0.1300	0.0768	0.0600	0.0268	0.0150	0.0437	0.3522
South Asia	0.1400	0.0700	0.0316	0.0776	0.0089	0.0274	0.3555
East Asia (Mfg)	0.1510	0.1044	0.082	0.0686	0.0189	0.0167	0.3928
Southeast Asia	0.0891	0.0671	0.0629	0.0770	0.0208	0.0403	0.3572
CENTRALLY PLANNED ECONOMIES							
European	0.0777	0.0401	0.0664	0.0247	0.0058	0.0096	0.2243
Asian	0.1406	0.0997	0.0330	0.0300	0.0089	0.0274	0.3396

Section D

Major export markets for building materials, by
principal exporting country and recipient region
1975, 1980 and 1982

The tables in this section show where the export products of the building materials sector are marketed. The tables give regional totals as well as figures for the major exporting countries in each region.

The data source is the UNSO Commodity Trade Statistics. However, the data for the full SITC codes have been adjusted to reflect trade in building materials only. The regional totals are therefore the same as the corresponding items in the A-tables. Where a given country does not report on its external trade, its trading partners' reports have been used to estimate its exports and imports. Since these trade statistics are far from complete, particularly for the trade among the centrally planned economies (CPE), the use of partner data does not always close the gap. Therefore, the figures for these countries do not generally reflect CPE internal trade.

The appropriate export price indices from section G were used to express the current value figures in constant 1975 US dollars.

Table D.01.1. Exports of non-metallic mineral products in 1975
(Per cent, world in constant 1975 thousand US dollars)

Exporting region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	3,215,185	100.0	8.4	44.6	0.6	3.0	13.4	19.0	5.9	4.5	0.6
DEVELOPED MARKET	2,657,878	100.0	9.2	51.7	0.4	3.4	12.5	12.7	5.3	4.3	0.5
North America	274,163	100.0	46.3	16.4	1.8	4.8	2.4	9.2	18.0	1.1	-
Europe North	1,812,248	100.0	4.2	68.5	0.3	2.6	9.5	7.6	3.1	4.1	0.1
Europe South	262,553	100.0	3.0	23.4	0.1	0.7	50.2	7.6	3.8	10.4	0.8
Japan	283,758	100.0	11.7	8.7	-	9.2	6.1	52.1	8.4	3.8	-
Others	25,156	100.0	4.3	4.2	1.1	10.9	13.8	28.9	0.9	-	35.9
EUROPEAN CPE	135,587	100.0	0.4	31.4	-	0.1	34.1	13.8	1.0	18.3	0.9
Czechoslovakia	47,020	100.0	0.2	39.6	-	-	5.6	3.6	0.9	47.7	2.4
Romania	34,533	100.0	-	26.0	-	-	53.5	18.9	0.1	1.4	0.1
Others	54,032	100.0	0.7	27.7	-	0.2	46.5	19.4	1.8	3.6	0.1
LATIN AMERICA	72,420	100.0	29.5	2.7	0.3	1.0	1.0	0.7	64.2	0.6	-
Brazil	11,915	100.0	16.3	4.4	1.0	4.5	6.0	1.5	62.6	3.7	-
Colombia	12,144	100.0	9.3	-	-	-	-	1.0	89.6	-	0.1
Mexico	21,443	100.0	62.1	3.5	-	0.7	-	0.1	33.6	-	-
Others	26,916	100.0	18.6	2.6	0.2	0.1	-	0.7	77.8	-	-
TROPICAL AFRICA	29,579	100.0	-	0.7	-	-	82.0	6.6	-	-	10.7
Kenya	9,306	100.0	-	-	-	-	48.4	18.9	-	-	32.7
Togo	115	100.0	-	-	-	-	100.0	-	-	-	-
Others	20,156	100.0	-	1.1	-	-	97.5	0.9	-	-	0.5
NORTH AFRICA	7,838	100.0	-	19.7	-	-	58.6	21.5	-	0.1	0.1
Algeria	1,218	100.0	-	99.8	-	-	0.1	-	-	-	0.1
Morocco	1,786	100.0	-	10.6	-	-	53.5	35.7	-	-	0.2
Tunisia	1,775	100.0	-	7.5	-	-	88.6	3.8	-	-	0.1
Others	3,057	100.0	0.1	0.1	-	-	67.4	32.1	-	0.2	0.1
WEST ASIA	81,747	100.0	-	0.4	-	-	50.7	78.5	-	0.3	0.1
Cyprus	12,298	100.0	-	0.1	-	-	27.7	72.1	-	-	0.1
Lebanon	29,119	100.0	-	0.1	-	-	23.7	76.2	-	-	-
Turkey	19,457	100.0	0.1	1.2	-	-	30.6	68.1	-	-	-
Others	20,871	100.0	-	0.4	-	-	3.1	95.4	-	1.1	-
SOUTH ASIA	37,869	100.0	0.3	7.3	0.7	0.2	4.8	85.5	0.1	1.1	-
India	22,773	100.0	0.4	8.8	0.7	0.2	7.5	82.1	0.2	0.1	-
Pakistan	15,018	100.0	0.1	6.0	0.9	0.2	0.6	92.2	-	0.1	0.1
Others	2,284	100.0	0.1	0.2	-	-	5.9	76.2	-	17.2	0.4
EAST ASIA (MFG)	134,342	100.0	2.4	4.1	5.2	1.7	0.4	83.3	1.4	0.3	1.2
Hong Kong	2,937	100.0	10.5	7.6	3.4	1.0	6.9	69.6	0.8	0.1	0.1
Korea Republic	64,245	100.0	2.6	7.9	10.6	1.9	-	71.9	2.8	-	2.3
Philippines	23,129	100.0	4.1	0.1	0.2	3.4	1.1	69.9	-	-	1.2
Singapore	22,887	100.0	-	0.1	-	0.6	0.5	98.6	-	-	0.2
Thailand	21,142	100.0	1.3	0.5	-	0.3	-	95.8	-	2.1	-
SOUTHEAST ASIA	8,337	100.0	0.5	0.4	0.2	0.4	0.1	97.2	-	-	1.2
Indonesia	612	100.0	-	0.5	-	-	-	99.2	-	-	0.3
Malaysia	4,392	100.0	0.1	0.4	0.3	0.8	0.2	98.2	-	-	-
Others	3,332	100.0	1.2	0.5	-	-	-	95.5	-	-	2.8
ASIAN CPE	43,278	100.0	0.5	1.5	5.4	1.1	7.3	81.8	0.1	2.3	-
China	37,125	100.0	0.5	1.7	6.1	1.3	6.4	83.9	0.2	-	0.1
Others	6,152	100.0	0.2	0.3	1.1	-	12.8	69.3	-	16.3	-
NES	6,310	100.0	-	1.0	-	26.9	28.3	36.2	0.4	7.1	0.1

Table D.01.11. Exports of non-metallic mineral products in 1980
(Per cent, world in constant 1975 thousand US dollars)

Exporting region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	4,796,585	100.0	8.0	44.7	1.0	2.1	8.7	25.5	6.1	3.4	0.5
DEVELOPED MARKET	4,002,026	100.0	8.5	51.2	0.5	2.4	8.4	20.2	5.0	3.3	0.5
North America	400,546	100.0	41.5	14.1	1.8	3.6	2.4	14.5	21.5	0.7	0.1
Europe North	2,704,164	100.0	4.1	68.7	0.4	1.8	7.2	11.7	3.0	3.0	0.1
Europe South	465,576	100.0	2.6	23.6	0.2	0.4	25.7	36.9	3.3	6.1	0.2
Japan	392,392	100.0	12.4	5.8	-	6.8	1.9	63.8	3.9	5.2	0.2
Others	39,348	100.0	5.2	5.2	1.0	12.8	7.8	28.4	7.7	-	31.9
EUROPEAN CPE	161,165	100.0	0.2	37.2	0.1	-	25.7	21.9	0.8	13.9	0.2
Czechoslovakia	29,087	100.0	0.3	59.1	0.3	0.1	3.7	11.4	1.2	24.0	0.1
Romania	38,502	100.0	0.1	9.6	0.1	-	66.6	20.6	0.3	2.5	-
Others	93,575	100.0	0.2	41.8	-	-	15.8	25.6	0.8	15.4	0.4
LATIN AMERICA	133,399	100.0	26.8	2.4	0.5	0.9	1.1	1.2	66.4	0.4	0.3
Brazil	41,951	100.0	9.3	4.9	1.5	2.7	3.4	2.6	74.4	0.9	0.1
Colombia	21,684	100.0	7.6	0.1	-	-	-	0.6	90.2	0.5	1.0
Mexico	27,142	100.0	88.7	2.8	0.1	0.2	-	0.1	8.1	-	-
Others	42,620	100.0	14.3	0.9	0.1	-	0.2	0.6	83.7	0.2	-
TROPICAL AFRICA	30,417	100.0	0.1	0.2	-	-	85.4	14.0	-	0.2	0.1
Kenya	10,517	100.0	0.1	0.2	-	-	70.8	28.3	-	0.6	-
Togo	7,985	100.0	-	-	-	-	99.9	0.1	-	-	-
Others	11,914	100.0	0.1	0.4	0.1	-	88.5	10.8	-	-	0.1
NORTH AFRICA	2,380	100.0	-	4.1	-	-	52.2	43.4	-	-	0.3
Algeria	331	100.0	0.2	-	-	-	98.0	1.4	-	-	0.4
Morocco	1,017	100.0	-	3.6	-	-	73.7	22.6	-	-	0.1
Tunisia	245	100.0	-	24.8	-	-	56.3	16.3	-	-	0.6
Others	786	100.0	-	0.1	-	-	3.3	96.5	-	-	0.1
WEST ASIA	131,668	100.0	-	1.1	-	-	4.6	93.2	-	1.0	0.1
Cyprus	18,422	100.0	-	0.4	-	-	0.3	99.2	-	-	0.1
Lebanon	22,576	100.0	0.1	0.1	-	-	12.2	87.6	-	-	-
Turkey	22,299	100.0	-	3.1	-	-	12.2	78.8	-	5.8	0.1
Others	68,369	100.0	-	1.0	-	-	0.6	98.2	-	0.1	0.1
SOUTH ASIA	21,867	100.0	10.1	12.9	7.0	1.4	5.2	55.9	0.2	7.2	0.1
India	16,370	100.0	11.4	13.1	7.6	1.2	6.8	50.5	0.2	9.2	-
Pakistan	1,746	100.0	2.8	24.2	19.1	1.1	3.1	44.0	-	5.5	0.2
Others	4,202	100.0	8.3	7.5	-	2.2	-	82.0	-	-	-
EAST ASIA (MFG)	206,966	100.0	3.1	7.0	9.8	1.1	1.0	76.5	0.6	0.3	0.6
Hong Kong	3,497	100.0	6.7	2.6	0.3	1.2	5.0	75.8	1.3	6.9	0.2
Korea Republic	141,018	100.0	3.5	7.1	13.8	0.7	0.2	73.5	0.7	-	0.4
Philippines	21,567	100.0	5.3	2.3	1.1	2.1	0.5	87.1	0.8	-	0.8
Singapore	31,030	100.0	0.1	0.4	1.5	1.6	4.6	89.4	-	0.3	2.1
Thailand	9,852	100.0	0.7	38.9	0.9	2.1	-	54.3	-	3.0	0.1
SOUTHEAST ASIA	17,944	100.0	-	1.5	0.3	0.8	0.3	96.2	-	-	0.9
Indonesia	11,333	100.0	-	0.3	-	1.3	-	98.3	-	-	0.1
Malaysia	6,055	100.0	-	3.6	0.9	-	0.9	94.5	-	-	0.1
Others	554	100.0	-	1.6	-	-	-	72.0	0.4	-	26.0
ASIAN CPE	78,659	100.0	0.8	1.2	5.1	0.5	4.8	86.9	0.8	-	0.1
China	59,141	100.0	1.0	1.5	6.8	0.6	6.1	82.9	1.0	-	0.1
Others	19,517	100.0	-	0.1	-	-	0.8	99.1	-	-	-
NES	10,094	100.0	-	31.1	-	17.1	6.4	44.9	0.1	0.4	-

Table D.01.111. Exports of non-metallic mineral products in 1983
(Per cent, world in constant 1975 thousand US dollars)

Exporting region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	3,385,794	100.0	10.8	39.9	1.3	2.1	11.0	28.6	3.0	3.1	0.2
DEVELOPED MARKET	3,010,206	100.0	10.6	43.3	0.7	2.3	10.5	26.5	2.7	3.3	0.1
North America	317,884	100.0	47.6	10.9	2.8	2.9	1.6	20.4	13.2	0.6	-
Europe North	1,910,224	100.0	5.8	61.6	0.5	2.1	8.8	16.3	1.7	3.1	0.1
Europe South	407,500	100.0	4.6	18.2	0.2	0.6	33.6	36.5	1.1	4.8	0.4
Japan	365,265	100.0	10.1	4.7	-	3.7	1.3	73.5	1.2	5.2	0.3
Others	9,333	100.0	9.5	7.2	3.4	29.9	12.1	36.0	0.7	-	1.2
EUROPEAN CPE	55,520	100.0	0.6	62.1	0.3	-	21.3	14.4	1.3	-	-
Czechoslovakia	11,557	100.0	0.6	89.1	1.5	-	3.3	1.3	4.2	-	-
Romania	10,441	100.0	0.7	14.1	-	-	80.2	4.7	0.3	-	-
Others	33,522	100.0	0.5	67.8	-	-	9.2	22.0	0.5	-	-
LATIN AMERICA	67,703	100.0	56.4	2.8	0.8	1.3	5.9	3.9	29.0	-	0.1
Brazil	21,126	100.0	26.9	5.5	2.0	4.1	9.8	11.8	39.8	-	0.1
Colombia	8,540	100.0	15.4	0.2	-	-	-	-	84.3	-	0.1
Mexico	27,365	100.0	97.0	1.1	-	-	-	0.1	1.8	-	-
Others	10,672	100.0	43.7	3.7	0.8	-	17.7	1.2	32.9	-	-
TROPICAL AFRICA	15,443	100.0	0.2	0.3	-	-	83.4	16.0	-	-	0.1
Kenya	4,894	100.0	0.3	0.4	-	-	50.6	48.6	-	-	0.1
Togo	5,812	100.0	-	-	-	-	100.0	-	-	-	-
Others	4,937	100.0	0.2	0.5	-	-	97.1	1.9	0.1	-	0.2
NORTH AFRICA	2,274	100.0	0.3	8.8	0.1	-	89.8	0.4	0.3	-	0.3
Algeria	984	100.0	-	0.1	-	-	99.9	-	-	-	-
Morocco	129	100.0	-	86.0	1.6	-	3.9	6.2	-	-	2.3
Tunisia	1,060	100.0	-	0.5	-	-	99.5	-	-	-	-
Others	101	100.0	5.9	83.2	1.0	-	-	-	5.9	-	4.0
WEST ASIA	74,404	100.0	-	4.8	-	0.1	31.5	63.3	-	0.3	-
Cyprus	7,562	100.0	-	0.2	-	-	0.3	99.4	-	-	0.1
Lebanon	36	100.0	5.6	36.1	-	-	-	55.6	-	-	2.7
Turkey	43,339	100.0	-	8.0	-	0.1	54.0	37.3	-	0.4	0.2
Others	23,467	100.0	-	0.2	-	-	-	99.8	-	-	-
SOUTH ASIA	6,700	100.0	20.5	20.7	21.6	0.5	0.4	33.7	0.1	2.2	0.3
India	2,717	100.0	25.0	35.7	15.5	0.1	0.1	23.2	0.2	-	0.2
Pakistan	2,827	100.0	16.8	12.7	36.2	0.8	0.8	27.2	-	5.2	0.3
Others	1,156	100.0	19.2	5.3	0.2	0.5	-	74.4	-	-	0.4
EAST ASIA (MFG)	121,506	100.0	6.1	5.8	16.3	0.8	0.9	65.8	0.2	4.0	0.1
Hong Kong	4,723	100.0	2.0	1.7	0.7	0.3	0.3	14.4	0.2	80.4	-
Korea Republic	57,385	100.0	10.5	4.4	33.5	-	-	51.3	0.3	-	-
Philippines	5,908	100.0	9.4	0.6	1.5	0.7	0.2	87.7	-	-	0.1
Singapore	39,432	100.0	1.2	0.6	1.1	1.8	2.8	92.0	-	0.2	0.3
Thailand	14,058	100.0	1.7	29.8	0.1	1.5	0.2	59.8	-	6.8	0.1
SOUTHEAST ASIA	11,859	100.0	0.2	0.5	0.1	-	-	98.6	-	-	0.6
Indonesia	2,611	100.0	0.2	0.2	-	-	-	99.7	-	-	0.1
Malaysia	8,959	100.0	0.2	0.6	-	-	-	99.1	-	-	0.1
Others	289	100.0	0.3	-	4.2	-	-	74.7	1.0	-	19.8
ASIAN CPE	20,006	100.0	3.0	1.5	10.3	-	-	84.8	0.3	-	0.1
China	19,301	100.0	3.2	1.5	10.6	-	-	84.5	0.1	-	0.1
Others	705	100.0	-	0.4	0.3	-	-	92.5	6.4	-	0.4
NES	173	100.0	-	68.2	-	-	28.9	1.2	-	-	1.7

Table D.02.1. Exports of primary metal products in 1975
(Per cent, world in constant 1975 thousand US dollars)

Exporting region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	8,495,738	100.0	12.0	36.6	0.4	2.0	7.9	18.7	6.3	15.4	0.7
DEVELOPED MARKET	7,971,855	100.0	12.3	37.9	0.2	2.0	7.8	17.9	6.1	15.6	0.2
North America	885,346	100.0	28.6	14.3	1.2	1.9	9.5	22.5	21.3	0.8	0.1
Europe North	4,968,145	100.0	5.9	54.7	0.1	1.6	8.3	8.6	3.6	17.2	-
Europe South	268,193	100.0	7.4	25.6	0.1	0.3	14.6	17.5	3.2	31.0	0.3
Japan	1,823,325	100.0	22.9	5.7	-	3.2	4.6	41.0	6.1	16.5	-
Others	46,846	100.0	7.0	4.5	1.0	18.1	5.5	26.9	4.8	4.1	28.1
EUROPEAN CPE	223,840	100.0	2.4	32.9	0.1	-	5.8	15.6	3.4	21.0	18.8
Czechoslovakia	104,778	100.0	2.4	14.1	-	-	2.0	6.8	0.3	34.3	40.1
Poland	26,980	100.0	9.9	47.6	-	-	6.8	4.9	23.3	7.5	-
Others	92,080	100.0	0.2	49.9	0.3	-	9.8	28.9	1.1	9.8	-
LATIN AMERICA	81,280	100.0	16.0	10.1	17.3	0.2	4.1	2.5	47.9	1.9	-
Argentina	8,421	100.0	6.2	7.4	-	0.7	11.0	14.1	46.0	14.5	0.1
Brazil	13,594	100.0	18.6	2.4	-	1.0	13.7	0.7	61.4	2.2	-
Mexico	17,425	100.0	47.2	11.0	-	-	2.7	2.5	36.7	-	0.1
Others	41,838	100.0	4.1	12.8	33.6	-	0.1	0.8	48.6	-	-
TROPICAL AFRICA	10,086	100.0	2.9	14.0	-	-	76.4	5.6	0.2	-	0.9
Mozambique	34	100.0	3.0	48.5	-	-	-	39.4	-	-	9.1
Untd. Rep. Camr.	4,514	100.0	-	4.0	-	-	96.7	-	-	-	-
Others	5,537	100.0	5.3	21.9	-	-	60.9	10.0	0.4	-	1.5
NORTH AFRICA	1,290	100.0	-	16.5	-	-	58.9	7.6	-	16.5	0.5
Algeria	408	100.0	-	45.5	-	-	37.1	9.4	-	7.4	0.6
Egypt	353	100.0	-	2.9	-	-	27.8	16.9	-	51.9	0.5
Tunisia	455	100.0	-	0.9	-	-	98.9	-	-	-	0.2
Others	72	100.0	-	16.7	-	-	81.9	-	-	-	1.4
WEST ASIA	46,771	100.0	-	3.5	0.2	0.4	7.3	87.9	0.1	0.6	-
Kuwait	13,057	100.0	-	7.8	-	-	7.7	84.5	-	-	-
Lebanon	13,163	100.0	-	0.3	-	-	16.6	83.2	-	-	0.1
Turkey	6,096	100.0	0.2	2.8	-	3.1	2.9	85.9	0.1	4.9	0.1
Others	14,453	100.0	-	2.7	0.5	-	0.5	96.0	0.2	-	0.1
SOUTH ASIA	29,112	100.0	8.2	4.6	0.3	0.6	6.7	78.6	0.2	0.8	-
India	41,062	100.0	8.3	4.7	0.3	0.6	6.7	78.6	0.1	0.8	0.1
Pakistan	212	100.0	-	0.7	-	-	16.8	75.2	5.4	-	1.9
Others	168	100.0	-	-	-	-	-	97.5	1.7	-	0.8
EAST ASIA (MFG)	91,301	100.0	24.1	2.2	4.6	1.9	6.4	58.7	1.1	0.2	0.8
Hong Kong	6,494	100.0	9.9	13.8	1.3	3.4	9.2	57.7	2.8	1.7	0.2
Korea Republic	49,681	100.0	41.5	1.8	7.0	1.4	7.1	38.3	1.5	-	1.4
Philippines	949	100.0	4.5	1.2	11.8	3.3	-	77.4	-	-	1.3
Singapore	32,260	100.0	1.9	0.7	1.4	0.8	5.3	89.6	0.2	-	0.1
Thailand	1,914	100.0	3.0	1.5	1.3	28.7	3.2	60.8	-	1.3	0.2
SOUTHEAST ASIA	3,257	100.0	0.4	1.2	3.3	0.5	0.8	92.7	-	-	1.1
Indonesia	122	100.0	-	1.1	-	-	-	97.9	-	-	1.0
Malaysia	1,655	100.0	-	1.2	6.4	1.0	1.6	89.8	-	-	-
Others	1,479	100.0	0.8	1.3	0.1	-	-	95.5	-	-	2.3
ASIAN CPE	23,170	100.0	0.1	1.2	-	0.2	44.4	51.5	2.6	-	-
China	15,943	100.0	0.1	1.7	-	0.3	25.9	68.3	3.5	-	0.2
Others	7,226	100.0	0.1	-	-	-	85.0	14.2	0.5	-	0.2
NES	13,776	100.0	-	0.8	-	19.2	1.2	2.4	0.8	75.6	-

Table D.02.11. Exports of primary metal products in 1980
(Per cent, world in constant 1975 thousand US dollars)

Exporting region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	10,748,455	100.0	13.6	43.3	0.5	1.5	6.5	17.3	5.8	10.7	0.8
DEVELOPED MARKET	9,752,274	100.0	13.4	46.0	0.4	1.5	6.5	15.5	5.6	10.4	0.7
North America	973,061	100.0	37.7	17.0	2.3	1.7	4.6	11.5	23.3	1.9	-
Europe North	5,991,437	100.0	4.8	67.5	0.2	1.0	7.4	8.0	2.6	8.3	0.2
Europe South	516,324	100.0	10.8	30.8	0.2	0.5	15.8	20.6	5.3	15.4	0.6
Japan	2,114,695	100.0	27.0	4.6	-	2.7	3.1	37.2	5.9	19.4	0.1
Others	156,757	100.0	13.0	8.4	0.5	8.4	1.3	17.9	2.9	5.1	42.5
EUROPEAN CPE	313,871	100.0	2.6	41.0	1.1	0.1	7.1	11.6	0.8	35.6	0.1
Czechoslovakia	24,793	100.0	1.4	40.5	-	-	9.6	14.3	0.2	34.0	-
Poland	99,794	100.0	4.5	33.4	-	-	1.0	12.9	1.1	46.7	0.4
Others	119,283	100.0	2.0	47.7	3.0	0.3	10.1	8.4	0.9	27.6	-
LATIN AMERICA	186,418	100.0	23.6	10.1	1.9	0.8	3.9	10.9	40.3	8.5	-
Argentina	30,298	100.0	13.2	3.0	2.8	-	2.0	16.6	43.7	18.6	0.1
Brazil	78,015	100.0	22.4	13.2	-	1.8	8.4	7.4	33.6	13.1	0.1
Mexico	11,546	100.0	76.2	1.3	-	-	-	0.1	22.4	-	-
Others	66,557	100.0	20.7	11.3	3.9	-	0.2	14.2	49.7	-	-
TROPICAL AFRICA	15,448	100.0	1.5	12.2	-	-	53.8	31.8	0.7	-	-
Mozambique	4,917	100.0	-	-	-	-	6.5	93.5	-	-	-
Untd. Rep. Camr.	3,958	100.0	-	0.7	-	-	99.2	-	-	-	0.1
Others	6,572	100.0	3.5	28.2	-	-	61.8	4.7	1.7	-	0.1
NORTH AFRICA	5,759	100.0	0.3	55.9	7.3	-	5.6	30.7	0.1	0.1	-
Algeria	17	100.0	-	76.5	-	-	17.6	-	-	-	5.9
Egypt	5,329	100.0	0.2	57.6	7.9	-	1.2	33.1	-	-	-
Tunisia	362	100.0	0.8	30.6	-	-	66.9	-	-	1.1	0.6
Others	50	100.0	-	52.0	-	-	30.0	8.0	8.0	-	2.0
WEST ASIA	69,713	100.0	0.3	1.4	0.2	-	2.6	94.8	-	0.6	0.1
Kuwait	11,282	100.0	-	0.5	-	-	0.1	99.4	-	-	-
Lebanon	7,765	100.0	-	-	-	-	7.9	92.1	-	-	-
Turkey	5,763	100.0	-	7.0	-	-	10.4	79.3	-	3.1	0.2
Others	44,802	100.0	0.5	1.2	0.3	-	1.3	96.1	-	0.5	0.1
SOUTH ASIA	25,049	100.0	14.2	3.8	-	0.5	13.5	63.7	0.2	4.1	-
India	26,288	100.0	14.5	3.7	-	0.5	13.7	63.1	0.2	4.2	0.1
Pakistan	304	100.0	-	-	-	-	2.1	97.5	-	-	0.4
Others	267	100.0	0.8	14.9	-	-	-	82.3	-	0.4	1.6
EAST ASIA (MFG)	303,697	100.0	32.2	3.7	2.8	1.7	3.4	49.2	1.8	2.9	2.3
Hong Kong	13,719	100.0	11.2	11.8	1.1	1.6	16.6	50.3	1.6	5.7	0.1
Korea Republic	224,014	100.0	42.5	3.8	3.4	0.7	2.6	41.7	2.1	-	3.2
Philippines	2,082	100.0	8.8	16.6	1.8	20.5	0.1	51.4	-	-	0.8
Singapore	49,814	100.0	1.7	1.4	0.9	3.5	3.9	85.3	0.9	1.8	0.6
Thailand	14,066	100.0	0.4	0.8	2.1	7.7	0.6	37.7	-	50.7	-
SOUTHEAST ASIA	9,475	100.0	2.9	3.0	8.9	1.1	3.1	76.5	-	3.7	0.8
Indonesia	2,977	100.0	-	1.2	0.5	-	8.2	90.0	-	-	0.1
Malaysia	6,119	100.0	4.0	3.2	13.6	1.6	0.7	71.1	-	5.7	0.1
Others	378	100.0	7.2	14.5	-	2.9	-	58.1	-	-	16.9
ASIAN CPE	60,570	100.0	5.9	3.4	-	0.4	3.5	86.6	0.2	-	-
China	47,421	100.0	7.4	4.3	-	0.4	4.5	83.1	0.3	-	-
Others	13,148	100.0	0.3	0.1	-	-	-	99.5	-	-	0.1
NES	6,191	100.0	1.5	2.9	-	37.4	23.0	34.5	0.6	-	0.1

Table D.02.111. Exports of primary metal products in 1983
(Per cent, world in constant 1975 thousand US dollars)

Exporting region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	7,181,663	100.0	16.9	40.4	0.5	1.5	5.2	19.4	2.9	12.7	0.5
DEVELOPPED MARKET	6,571,179	100.0	15.4	42.7	0.4	1.6	5.1	17.9	2.7	13.7	0.5
North America	567,104	100.0	51.0	12.8	2.3	1.6	3.3	15.9	12.8	0.3	-
Europe North	4,070,297	100.0	7.7	63.3	0.2	1.1	5.1	9.1	1.7	11.2	0.6
Europe South	386,879	100.0	10.8	26.6	0.5	0.2	19.8	21.9	1.6	18.3	0.3
Japan	1,502,216	100.0	23.5	3.2	-	3.0	1.9	41.3	2.2	24.8	0.1
Others	44,683	100.0	33.9	13.4	1.6	16.6	0.9	30.7	0.2	2.5	0.2
EUROPEAN CPE	84,200	100.0	6.8	81.6	2.3	-	1.9	7.1	0.3	-	-
Czechoslovakia	19,700	100.0	4.1	91.7	-	-	0.2	3.9	-	-	0.1
Poland	17,019	100.0	17.6	78.0	-	-	0.8	2.3	1.2	-	0.1
Others	47,481	100.0	4.1	78.7	4.2	-	2.9	10.1	-	-	-
LATIN AMERICA	197,359	100.0	44.1	7.6	1.5	0.4	14.2	14.3	13.3	4.6	-
Argentina	14,825	100.0	64.4	8.4	0.2	-	17.6	7.9	1.6	-	0.1
Brazil	117,032	100.0	31.8	6.0	2.5	0.6	17.3	20.5	13.5	7.7	0.1
Mexico	33,718	100.0	83.4	0.1	-	-	8.4	6.7	1.9	-	0.1
Others	31,784	100.0	38.4	21.1	0.1	-	7.3	2.4	30.6	-	0.1
TROPICAL AFRICA	4,316	100.0	4.2	18.4	-	0.1	46.4	30.8	-	-	0.1
Mozambique	1,112	100.0	-	-	-	-	-	100.0	-	-	-
Untd. Rep. Camr.	668	100.0	-	-	-	-	99.9	-	-	-	0.1
Others	2,536	100.0	7.1	31.3	-	0.2	52.7	8.6	-	-	0.1
NORTH AFRICA	342	100.0	-	68.4	-	-	31.3	-	-	-	0.3
Algeria	44	100.0	-	100.0	-	-	-	-	-	-	-
Egypt	150	100.0	-	100.0	-	-	-	-	-	-	-
Tunisia	109	100.0	-	9.2	-	-	89.9	-	-	-	0.9
Others	39	100.0	-	76.9	-	-	23.1	-	-	-	-
WEST ASIA	78,920	100.0	0.1	2.5	-	-	4.3	92.9	-	0.1	0.1
Kuwait	739	100.0	0.7	98.1	-	-	-	0.9	-	-	0.3
Lebanon	57	100.0	-	96.5	-	-	-	1.8	-	-	1.7
Turkey	74,219	100.0	0.1	1.4	-	-	4.6	93.7	-	0.1	0.1
Others	3,905	100.0	0.8	3.9	0.2	-	0.4	94.6	-	-	0.1
SOUTH ASIA	5,449	100.0	38.4	5.5	2.3	-	0.4	53.2	-	-	0.2
India	4,957	100.0	42.0	5.8	2.5	-	0.4	49.2	-	-	0.1
Pakistan	459	100.0	1.1	2.6	-	-	-	95.6	-	-	0.7
Others	33	100.0	27.3	-	-	-	-	66.7	-	-	6.0
EAST ASIA (MFG)	194,603	100.0	52.4	3.1	3.4	1.9	1.0	36.1	0.3	1.7	0.1
Hong Kong	9,171	100.0	16.7	10.6	0.4	2.7	8.9	38.1	2.0	20.5	0.1
Korea Republic	123,900	100.0	79.3	2.6	4.8	0.6	-	12.4	0.3	-	-
Philippines	1,477	100.0	1.6	2.7	11.1	-	-	84.6	-	-	-
Singapore	52,665	100.0	3.5	3.5	0.7	4.5	2.2	83.1	-	2.3	0.2
Thailand	7,390	100.0	2.8	1.1	1.0	5.0	0.3	85.6	-	4.2	-
SOUTHEAST ASIA	7,192	100.0	3.9	4.5	10.2	1.0	-	79.8	-	-	0.6
Indonesia	967	100.0	-	0.3	68.1	-	0.1	31.0	-	-	0.5
Malaysia	5,835	100.0	4.8	5.5	1.3	-	-	88.4	-	-	-
Others	390	100.0	0.5	0.8	-	19.2	-	72.1	-	-	7.4
ASIAN CPE	37,623	100.0	18.7	10.7	0.5	-	-	69.8	0.2	-	0.1
China	37,343	100.0	18.8	10.8	0.5	-	-	69.7	0.2	-	-
Others	280	100.0	0.4	1.8	-	-	-	94.3	2.9	-	0.6
NES	480	100.0	0.4	66.0	-	-	32.5	0.6	0.2	-	0.3

Table D.03.1. Exports of finished metal products in 1975
(Per cent, world in constant 1975 thousand US dollars)

Exporting region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	5,487,210	100.0	10.5	46.2	0.8	3.2	9.0	15.0	7.5	7.5	0.3
DEVELOPED MARKET	5,193,553	100.0	10.5	47.4	0.8	3.2	8.8	14.2	7.0	7.9	0.2
North America	779,004	100.0	31.5	18.0	2.3	3.6	6.2	16.4	19.5	2.4	0.1
Europe North	3,739,908	100.0	4.7	59.7	0.5	2.7	9.5	10.5	3.9	8.4	0.1
Europe South	193,676	100.0	7.9	30.4	1.5	2.3	14.6	18.3	8.7	15.8	0.5
Japan	439,643	100.0	23.5	7.2	-	6.1	5.1	37.7	10.4	10.2	0.2
Others	41,322	100.0	6.7	7.2	2.5	14.5	12.1	24.8	1.7	-	30.5
EUROPEAN CPE	81,185	100.0	3.0	50.4	0.1	0.3	14.6	16.4	13.5	1.3	0.4
Czechoslovakia	13,017	100.0	2.6	61.9	0.1	0.9	9.7	14.0	5.2	2.2	3.4
Poland	24,413	100.0	8.4	36.4	0.1	0.2	9.2	11.0	34.4	0.3	-
Others	43,753	100.0	0.1	54.7	0.1	0.1	19.0	20.1	4.3	1.5	0.1
LATIN AMERICA	48,305	100.0	10.1	6.5	0.1	1.6	1.3	3.8	76.6	-	-
Argentina	13,204	100.0	3.9	7.9	0.1	1.1	2.3	4.0	80.7	-	-
Brazil	13,070	100.0	10.1	6.6	-	4.3	2.3	0.9	75.6	-	-
Mexico	8,291	100.0	20.7	6.2	0.2	0.5	0.3	12.1	59.9	-	0.1
Others	13,739	100.0	9.7	5.2	-	0.3	0.2	1.3	83.4	-	0.1
TROPICAL AFRICA	4,037	100.0	5.0	42.2	-	-	47.8	1.2	0.4	0.1	3.3
Ivory Coast	710	100.0	18.4	7.1	-	-	56.8	1.4	-	-	16.3
Senegal	624	100.0	-	65.2	-	-	34.1	0.4	-	-	0.3
Others	2,701	100.0	2.7	46.1	-	-	48.7	1.3	0.6	0.1	0.5
NORTH AFRICA	1,820	100.0	0.2	40.7	-	-	49.4	3.8	0.5	4.9	0.5
Algeria	632	100.0	-	80.8	-	-	6.3	-	1.4	10.8	0.7
Egypt	200	100.0	-	23.9	-	-	40.8	24.4	-	10.0	0.9
Tunisia	245	100.0	-	36.4	-	-	62.8	-	-	-	0.8
Others	741	100.0	0.4	12.3	-	-	84.0	2.8	-	-	0.5
WEST ASIA	18,413	100.0	0.3	7.2	-	0.8	8.9	81.2	0.2	1.3	0.1
Kuwait	2,537	100.0	-	2.3	-	-	1.7	95.9	-	-	0.1
Lebanon	8,664	100.0	-	0.7	-	-	11.2	87.6	0.4	-	0.1
Turkey	1,947	100.0	1.4	11.8	0.1	7.6	15.7	51.1	-	12.1	0.2
Others	5,263	100.0	0.5	18.5	0.1	0.1	6.0	74.7	-	-	0.1
SOUTH ASIA	23,148	100.0	13.4	23.5	0.4	2.0	9.5	41.3	1.8	8.0	0.1
India	23,603	100.0	13.7	23.5	0.3	2.0	9.6	41.5	1.0	8.3	0.1
Pakistan	813	100.0	6.0	23.5	3.3	0.5	8.9	33.1	23.9	-	0.8
Others	95	100.0	4.5	20.5	22.7	3.4	-	45.5	-	-	3.4
EAST ASIA (MFG)	75,289	100.0	24.6	9.1	4.1	4.4	6.3	48.9	2.0	0.2	0.4
Hong Kong	29,555	100.0	25.5	15.8	2.7	5.7	12.3	32.2	4.7	0.3	0.8
Korea Republic	17,757	100.0	57.0	7.8	10.6	1.0	1.1	21.6	0.4	-	0.5
Philippines	457	100.0	1.6	15.8	22.7	15.4	-	42.1	-	-	2.4
Singapore	26,321	100.0	3.0	2.4	1.1	4.8	3.4	85.0	0.1	0.1	0.1
Thailand	1,197	100.0	6.1	10.5	0.9	5.6	-	74.7	-	1.9	0.3
SOUTHEAST ASIA	3,474	100.0	1.9	4.3	6.1	1.8	8.6	76.3	-	-	1.0
Indonesia	519	100.0	-	1	-	0.3	-	95.4	-	-	0.2
Malaysia	1,642	100.0	3.8	5.2	10.5	1.5	17.8	60.9	0.1	-	0.2
Others	1,312	100.0	0.3	3.2	2.9	2.8	0.4	88.1	-	-	2.3
ASIAN CPE	21,375	100.0	0.8	2.5	0.3	0.6	34.8	58.2	2.8	-	-
China	21,227	100.0	0.8	2.4	0.3	0.6	34.9	58.2	2.8	-	-
Others	147	100.0	12.3	9.4	4.3	1.4	10.1	55.8	3.6	-	3.1
NES	16,611	100.0	-	73.0	-	19.1	4.3	3.4	0.1	0.1	-

Table D.03.11. Exports of finished metal products in 1980
(Per cent, world in constant 1975 thousand US dollars)

Exporting region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	7,516,007	100.0	9.6	47.4	0.8	2.6	8.8	18.0	6.6	5.1	1.1
DEVELOPED MARKET	7,043,435	100.0	9.0	49.3	0.8	2.6	8.7	16.9	6.3	5.3	1.1
North America	977,999	100.0	28.8	19.0	2.6	3.8	4.1	17.3	22.7	1.7	-
Europe North	5,006,022	100.0	4.0	62.2	0.6	2.0	10.2	13.5	3.0	4.5	-
Europe South	338,942	100.0	6.7	31.3	0.2	0.8	10.7	11.1	8.7	12.4	18.1
Japan	662,923	100.0	17.7	9.3	-	4.7	4.1	44.7	5.4	13.8	0.3
Others	54,549	100.0	13.4	9.4	1.8	18.5	2.3	21.3	1.4	0.2	31.7
EUROPEAN CPE	78,193	100.0	3.6	57.0	0.1	0.2	16.0	10.0	6.0	7.1	-
Czechoslovakia	12,615	100.0	3.6	51.4	0.2	0.6	5.2	21.3	8.1	9.4	-
Poland	26,487	100.0	7.4	45.4	-	0.1	18.0	6.7	12.4	11.9	0.1
Others	39,089	100.0	1.1	66.7	0.2	-	19.5	8.6	1.0	3.1	0.2
LATIN AMERICA	86,257	100.0	29.6	6.1	0.4	0.6	2.7	2.7	55.8	1.9	0.2
Argentina	14,956	100.0	30.8	9.9	-	0.5	0.4	3.1	55.3	-	-
Brazil	31,546	100.0	11.6	5.1	0.8	1.3	7.1	5.4	63.4	5.2	0.1
Mexico	19,691	100.0	77.9	1.8	0.1	-	-	0.5	19.6	-	0.1
Others	20,061	100.0	9.4	9.2	0.3	0.3	0.3	0.5	79.9	-	0.1
TROPICAL AFRICA	2,714	100.0	3.5	20.3	0.2	-	70.3	4.9	0.3	-	0.5
Ivory Coast	245	100.0	-	1.7	-	-	97.9	-	-	-	0.4
Senegal	267	100.0	-	16.4	-	-	81.6	0.4	-	-	1.6
Others	2,201	100.0	4.3	22.9	0.2	-	65.9	6.0	0.4	-	0.3
NORTH AFRICA	1,965	100.0	2.8	44.8	-	-	32.0	13.6	0.4	5.8	0.6
Algeria	367	100.0	0.3	15.3	-	-	0.3	52.3	-	31.1	0.7
Egypt	366	100.0	4.1	64.2	-	-	13.4	16.9	0.3	-	1.1
Tunisia	986	100.0	3.5	44.7	-	-	51.7	-	-	-	0.1
Others	245	100.0	2.0	60.8	-	-	28.2	5.3	2.4	-	1.3
WEST ASIA	31,536	100.0	0.7	6.2	0.1	-	6.7	85.0	-	-	1.3
Kuwait	14,741	100.0	-	0.5	-	-	4.4	95.1	-	-	-
Lebanon	2,812	100.0	-	1.0	-	-	3.0	95.8	-	-	0.2
Turkey	3,146	100.0	0.6	11.7	-	-	5.3	75.5	0.1	-	6.8
Others	10,835	100.0	1.9	13.8	0.2	-	11.3	71.3	-	0.1	1.4
SOUTH ASIA	41,310	100.0	25.7	24.7	0.3	1.7	11.8	32.2	0.3	3.3	-
India	39,902	100.0	26.2	24.7	0.2	1.8	12.0	31.4	0.3	3.4	-
Pakistan	1,041	100.0	7.6	22.2	1.9	0.3	6.4	61.2	-	-	0.4
Others	233	100.0	7.9	27.8	18.1	2.2	0.4	42.3	-	-	1.3
EAST ASIA (MFG)	179,608	100.0	25.8	10.1	2.9	3.5	7.4	46.1	1.9	1.8	0.5
Hong Kong	56,270	100.0	31.7	19.6	2.2	5.2	13.2	18.6	4.3	4.4	0.2
Korea Republic	85,747	100.0	31.2	5.1	3.8	1.0	5.1	52.0	1.1	-	0.7
Philippines	3,073	100.0	8.3	4.2	1.4	18.8	-	66.8	0.1	-	0.4
Singapore	32,158	100.0	4.5	7.0	2.3	3.9	5.0	75.4	0.1	1.6	0.2
Thailand	2,417	100.0	7.1	16.5	0.9	2.9	0.4	60.9	0.2	11.0	0.1
SOUTHEAST ASIA	6,929	100.0	38.1	4.7	5.8	2.4	7.6	39.9	0.1	0.8	0.6
Indonesia	210	100.0	4.0	30.3	1.0	1.0	-	61.2	0.5	-	2.0
Malaysia	6,226	100.0	42.2	2.2	6.4	2.3	8.4	37.5	0.1	0.8	0.1
Others	491	100.0	0.2	25.4	-	4.5	0.4	61.4	-	-	8.1
ASIAN CPE	40,454	100.0	2.2	16.1	1.2	1.2	10.5	65.4	3.4	-	-
China	37,580	100.0	2.3	17.2	1.2	1.2	11.0	63.3	3.6	-	0.2
Others	2,773	100.0	0.1	0.4	1.6	0.2	3.2	94.4	-	-	0.1
NES	6,546	100.0	-	7.0	-	48.3	6.6	37.0	-	1.0	0.1

Table D.03.111. Exports of finished metal products in 1983
(Per cent, world in constant 1975 thousand US dollars)

Exporting region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	5,152,323	100.0	11.8	42.5	1.0	2.6	7.8	22.9	4.3	5.7	1.4
DEVELOPED MARKET	4,863,244	100.0	10.8	43.7	0.9	2.7	8.1	22.3	4.1	6.0	1.4
North America	660,820	100.0	34.3	18.0	3.1	3.6	3.6	23.2	13.1	1.1	-
Europe North	3,302,546	100.0	5.0	57.9	0.7	2.1	9.0	17.1	2.5	5.7	-
Europe South	291,110	100.0	6.6	18.0	0.2	0.9	16.7	15.0	4.1	17.8	20.7
Japan	587,615	100.0	18.9	7.0	-	5.2	3.8	54.2	3.7	7.2	-
Others	21,153	100.0	24.3	8.4	2.4	30.9	2.1	31.2	0.4	-	0.3
EUROPEAN CPE	40,877	100.0	2.9	77.3	0.1	-	5.9	13.4	0.4	-	-
Czechoslovakia	8,914	100.0	1.4	86.8	-	0.1	4.2	6.7	0.7	-	0.1
Poland	7,690	100.0	10.9	67.3	-	-	3.2	18.5	0.1	-	-
Others	24,273	100.0	0.8	77.0	0.2	-	7.4	14.2	0.4	-	-
LATIN AMERICA	53,539	100.0	48.1	4.3	0.3	1.4	2.5	4.8	38.1	0.5	-
Argentina	3,656	100.0	78.1	8.6	0.3	-	-	3.4	9.4	-	0.2
Brazil	25,143	100.0	19.4	5.8	0.4	3.0	5.3	9.4	55.6	1.0	0.1
Mexico	16,587	100.0	97.4	0.5	0.2	-	-	0.3	1.6	-	-
Others	8,153	100.0	22.9	5.3	0.1	-	-	-	71.6	-	0.1
TROPICAL AFRICA	1,309	100.0	1.4	68.7	0.4	0.4	21.9	6.7	-	-	0.5
Ivory Coast	427	100.0	2.6	38.2	1.2	1.2	56.0	-	-	-	0.8
Senegal	6	100.0	-	100.0	-	-	-	-	-	-	-
Others	876	100.0	0.8	83.3	-	-	5.5	10.0	-	-	0.4
NORTH AFRICA	491	100.0	1.2	94.3	-	-	0.4	0.2	1.0	1.6	1.3
Algeria	60	100.0	-	81.7	-	-	-	1.7	-	13.3	3.3
Egypt	181	100.0	0.6	98.9	-	-	-	-	-	-	0.5
Tunisia	168	100.0	-	98.2	-	-	1.2	-	-	-	0.6
Others	82	100.0	6.1	85.4	-	-	-	-	6.1	-	2.4
WEST ASIA	12,546	100.0	0.3	15.8	-	-	17.8	65.9	-	0.1	0.1
Kuwait	403	100.0	-	70.7	-	-	-	29.0	-	-	0.3
Lebanon	33	100.0	-	57.6	-	-	3.0	36.4	-	-	3.0
Turkey	9,043	100.0	0.3	6.8	-	-	24.2	68.6	-	0.1	-
Others	3,067	100.0	0.3	34.7	0.1	-	1.6	63.2	-	-	0.1
SOUTH ASIA	14,559	100.0	47.4	31.4	0.8	0.2	0.4	19.3	0.3	-	0.2
India	13,740	100.0	49.5	32.0	0.6	0.2	0.3	17.0	0.3	-	0.1
Pakistan	618	100.0	12.0	8.1	1.1	1.0	3.1	73.3	-	0.8	0.6
Others	201	100.0	13.4	60.2	15.4	0.5	-	9.0	-	-	1.5
EAST ASIA (MFG)	127,167	100.0	34.8	10.3	3.6	2.9	1.8	42.9	0.7	3.0	-
Hong Kong	34,848	100.0	39.0	20.3	3.0	5.8	4.6	15.9	1.6	9.7	0.1
Korea Republic	50,425	100.0	56.7	4.3	4.2	0.2	-	34.2	0.3	-	0.1
Philippines	749	100.0	39.0	11.2	13.2	1.3	-	34.6	-	-	0.7
Singapore	37,460	100.0	4.3	8.2	3.4	3.9	1.7	77.4	0.4	0.8	0.1
Thailand	3,685	100.0	4.7	18.0	0.9	1.6	1.4	69.7	-	3.7	-
SOUTHEAST ASIA	3,770	100.0	1.9	6.2	3.5	0.4	0.9	86.4	-	-	0.7
Indonesia	213	100.0	0.5	17.8	3.8	-	-	77.5	-	-	0.4
Malaysia	3,240	100.0	1.8	3.5	3.8	0.1	1.0	89.7	-	-	0.1
Others	317	100.0	3.8	26.8	-	3.5	-	58.4	-	-	7.5
ASIAN CPE	32,714	100.0	13.7	18.7	1.8	0.1	3.7	61.3	0.8	-	0.1
China	32,559	100.0	13.8	18.8	1.8	0.1	3.7	61.2	0.7	-	0.1
Others	155	100.0	-	4.5	5.8	-	-	73.5	14.8	-	1.4
NES	2,107	100.0	-	94.3	-	-	4.5	0.9	0.1	-	0.2

Table D.04.1. Exports of wood products in 1975
(Per cent, world in constant 1975 thousand US dollars)

Exporting region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	3,258,285	100.0	26.4	55.1	4.2	2.3	4.7	8.4	3.1	1.5	0.3
DEVELOPED MARKET	2,231,068	100.0	23.6	59.4	4.1	1.4	3.3	4.7	1.6	1.6	0.3
North America	813,328	100.0	60.6	18.4	10.9	2.6	1.0	2.3	3.6	0.2	0.2
Europe North	1,250,973	100.0	1.1	87.2	0.2	0.3	3.9	5.0	0.5	1.9	0.1
Europe South	112,831	100.0	0.7	63.1	-	-	15.0	9.7	0.4	10.5	0.6
Japan	38,656	100.0	50.6	25.8	-	2.0	0.5	19.2	1.3	0.5	0.1
Others	15,280	100.0	2.9	21.9	12.8	34.4	2.4	11.2	0.5	-	13.9
EUROPEAN CPE	341,277	100.0	0.3	71.5	1.0	-	16.2	7.5	-	2.9	0.6
Czechoslovakia	37,669	100.0	0.2	78.4	0.1	0.1	7.5	3.8	0.1	5.1	4.7
USSR	198,814	100.0	0.4	69.8	1.8	-	17.4	6.5	-	4.1	-
Others	104,792	100.0	0.3	72.2	-	-	16.9	10.5	-	-	0.1
LATIN AMERICA	140,024	100.0	19.2	27.4	1.1	1.5	1.5	1.1	48.1	-	0.1
Brazil	63,950	100.0	15.2	47.0	1.3	3.1	3.2	1.9	28.3	-	-
Honduras	19,040	100.0	19.4	20.6	-	-	0.1	-	59.8	-	0.1
Paraguay	13,820	100.0	0.7	1.1	0.2	0.2	-	-	97.8	-	-
Others	43,211	100.0	31.1	9.9	1.6	0.2	0.1	0.8	56.4	-	0.1
TROPICAL AFRICA	67,234	100.0	2.8	75.3	0.1	0.9	12.5	3.0	0.1	-	5.3
Ivory Coast	27,617	100.0	3.9	72.9	0.1	-	8.6	2.0	-	0.1	12.4
Untd. Rep. Camr.	6,939	100.0	2.0	80.0	-	-	14.1	3.9	-	-	-
Others	32,677	100.0	2.1	76.3	-	1.9	15.5	3.6	0.3	-	0.3
NORTH AFRICA	894	100.0	-	20.6	-	-	75.1	3.4	-	0.2	0.7
Libyan Arab Jm	32	100.0	-	3.1	-	-	96.9	-	-	-	-
Morocco	768	100.0	-	16.0	-	-	81.1	2.6	-	-	0.3
Tunisia	23	100.0	-	56.5	-	-	34.8	-	-	-	8.7
Others	71	100.0	-	66.2	-	-	12.7	14.1	-	2.8	4.2
WEST ASIA	27,968	100.0	-	2.8	-	-	7.0	90.2	-	-	-
Kuwait	12,926	100.0	-	-	-	-	0.1	99.9	-	-	-
Lebanon	8,166	100.0	-	0.3	-	-	18.6	81.1	-	-	-
United Arab Em.	3,646	100.0	-	0.4	-	-	-	99.6	-	-	-
Others	3,228	100.0	0.1	23.0	-	-	13.1	63.7	-	-	0.1
SOUTH ASIA	14,468	100.0	3.6	31.1	1.1	0.5	2.2	61.3	0.1	0.1	-
Burma	8,592	100.0	1.1	43.4	0.8	0.1	0.3	54.3	-	-	-
India	5,704	100.0	6.4	13.0	1.3	0.6	5.0	73.2	0.3	-	0.2
Others	728	100.0	11.1	26.7	4.0	3.1	2.5	50.1	-	1.6	0.9
EAST ASIA (MFG)	215,698	100.0	43.6	23.6	10.3	4.8	2.7	14.6	0.1	-	0.3
Hong Kong	1,565	100.0	16.9	30.2	1.6	2.7	1.2	45.9	1.2	-	0.3
Korea Republic	101,873	100.0	71.8	7.2	17.2	1.0	0.5	2.2	-	-	0.1
Philippines	29,835	100.0	44.7	27.3	8.2	10.1	1.3	6.6	0.1	-	1.7
Singapore	67,658	100.0	6.5	44.2	1.3	7.5	7.2	33.1	0.1	-	0.1
Thailand	14,764	100.0	20.2	34.1	9.4	7.6	0.7	27.9	-	-	0.1
SOUTHEAST ASIA	194,989	100.0	4.5	36.7	8.8	9.1	1.5	39.2	-	0.1	0.1
Indonesia	28,259	100.0	0.5	30.7	35.1	0.9	-	32.5	-	0.3	-
Malaysia	126,767	100.0	6.6	49.4	2.2	10.0	2.3	29.3	-	0.2	-
Others	39,961	100.0	0.5	1.0	10.9	11.8	0.1	75.3	-	-	0.4
ASIAN CPE	6,589	100.0	1.1	16.9	10.8	0.1	13.6	54.8	2.5	-	0.2
China	4,634	100.0	1.5	10.3	14.2	0.1	19.0	51.3	3.6	-	-
Others	1,954	100.0	0.3	32.7	2.5	-	1.0	63.3	-	-	0.2
NES	18,076	100.0	-	0.5	-	88.7	0.1	8.7	0.2	1.8	-

Table D.04.11. Exports of wood products in 1980
(Per cent, world in constant 1975 thousand US dollars)

Exporting region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	4,792,132	100.0	15.8	56.3	5.2	1.9	5.2	10.9	3.0	1.4	0.3
DEVELOPED MARKET	3,397,671	100.0	18.7	60.5	5.2	1.3	5.0	5.9	1.8	1.3	0.3
North America	1,245,930	100.0	48.8	25.1	13.5	2.1	2.4	4.0	4.0	0.1	-
Europe North	1,875,088	100.0	0.7	84.8	0.1	0.2	5.7	6.3	0.6	1.6	-
Europe South	199,174	100.0	0.4	66.3	-	-	16.2	9.3	0.7	6.3	0.8
Japan	30,493	100.0	39.1	31.4	-	1.5	1.8	24.4	0.8	0.9	0.1
Others	46,986	100.0	2.2	20.6	14.5	29.0	2.6	13.5	0.5	0.6	16.5
EUROPEAN CPE	371,538	100.0	0.3	77.5	1.3	-	8.3	7.0	-	5.5	0.1
Czechoslovakia	54,021	100.0	0.1	89.6	-	-	3.1	5.6	-	1.6	-
USSR	213,824	100.0	0.2	79.8	2.3	-	5.9	3.4	-	8.3	0.1
Others	103,691	100.0	0.5	66.4	-	-	16.2	15.2	-	1.8	0.1
LATIN AMERICA	201,886	100.0	21.3	25.9	1.6	2.8	1.4	7.8	39.3	-	0.1
Brazil	86,008	100.0	21.5	44.8	0.8	6.5	1.3	1.3	23.7	-	0.1
Honduras	11,469	100.0	39.5	24.3	2.1	-	0.8	0.1	33.2	-	-
Paraguay	20,663	100.0	0.7	2.6	0.4	0.2	-	-	96.1	-	-
Others	83,744	100.0	23.6	12.4	2.6	-	1.8	17.3	42.2	-	0.1
AFRICAL AFRICA	89,508	100.0	1.8	81.0	0.1	1.0	13.5	1.6	0.9	-	0.1
Ivory Coast	35,790	100.0	2.7	80.3	-	0.1	16.1	0.7	-	-	0.1
Unfd. Rep. Camr.	13,765	100.0	1.1	91.4	0.2	-	4.0	0.1	3.1	0.1	-
Others	39,952	100.0	1.3	78.1	0.1	2.1	14.4	3.0	3.9	0.1	-
NORTH AFRICA	1,552	100.0	0.3	58.6	-	-	37.1	3.6	-	-	0.4
Libyan Arab Jm	3	100.0	-	100.0	-	-	-	-	-	-	-
Morocco	1,238	100.0	0.1	51.5	-	-	45.9	2.3	-	-	0.2
Tunisia	270	100.0	-	99.3	-	-	0.4	-	-	-	0.3
Others	40	100.0	10.0	-	-	-	17.5	67.5	-	-	5.0
WEST ASIA	38,978	100.0	0.4	1.8	-	-	2.9	94.7	-	-	0.2
Kuwait	21,267	100.0	-	0.1	-	-	0.2	99.7	-	-	-
Lebanon	2,582	100.0	-	0.1	-	-	-	99.8	-	-	0.1
United Arab Em.	3,349	100.0	-	2.6	-	-	0.4	97.0	-	-	-
Others	11,777	100.0	1.3	5.2	-	-	9.1	83.9	0.1	-	0.4
SOUTH ASIA	22,855	100.0	6.6	29.7	1.9	1.7	0.3	58.2	0.1	1.5	-
Burma	13,568	100.0	6.8	37.8	0.9	2.3	-	52.1	-	-	0.1
India	4,978	100.0	9.0	18.8	5.2	0.7	1.1	58.2	0.2	6.6	0.2
Others	2,921	100.0	1.6	10.3	0.9	0.1	0.6	86.4	-	-	0.1
EAST ASIA (MFG)	343,216	100.0	17.8	32.1	9.6	2.7	7.5	28.0	0.2	0.4	1.7
Hong Kong	2,889	100.0	14.1	18.8	1.5	6.5	1.5	27.3	11.4	18.6	0.3
Korea Republic	114,767	100.0	28.4	14.9	13.9	0.1	12.2	25.8	0.1	-	4.6
Philippines	87,401	100.0	26.0	42.1	14.5	5.9	0.8	10.3	-	-	0.4
Singapore	128,614	100.0	3.0	40.3	2.7	2.7	8.5	41.9	0.2	0.8	0.1
Thailand	9,543	100.0	17.2	41.3	8.6	3.7	0.1	29.1	-	-	-
SOUTHEAST ASIA	292,482	100.0	3.7	37.7	9.5	5.5	1.7	41.6	0.1	0.2	-
Indonesia	85,162	100.0	3.7	36.4	16.2	0.3	-	43.3	-	0.1	-
Malaysia	201,227	100.0	3.8	38.9	6.3	6.5	2.5	41.9	0.1	0.1	0.1
Others	6,092	100.0	2.0	17.0	23.5	46.1	-	6.4	-	4.0	1.0
ASIAN CPE	15,939	100.0	5.1	7.0	19.8	0.4	1.3	65.7	0.7	-	-
China	10,590	100.0	7.4	9.5	28.9	0.6	1.9	50.7	1.0	-	-
Others	5,348	100.0	0.5	2.1	1.6	-	-	95.4	0.3	-	0.1
NES	16,507	100.0	-	0.7	0.6	82.4	7.4	8.9	-	-	-

Table D.04.111. Exports of wood products in 1983
(Per cent, world in constant 1975 thousand US dollars)

Exporting region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	3,605,235	100.0	25.3	50.6	5.0	1.3	4.8	9.9	1.7	1.3	0.1
DEVELOPED MARKET	2,697,629	100.0	29.1	51.0	4.6	1.4	5.6	5.1	1.6	1.7	0.1
North America	1,214,734	100.0	62.4	17.6	9.6	2.0	1.6	3.1	2.9	0.8	-
Europe North	1,296,100	100.0	1.1	82.1	0.1	0.2	8.3	6.0	0.4	1.9	0.1
Europe South	137,439	100.0	0.6	33.5	-	-	16.4	9.6	1.2	8.2	0.5
Japan	23,996	100.0	51.9	23.0	-	0.8	1.2	20.3	0.3	2.4	0.1
Others	25,360	100.0	3.5	20.8	19.2	45.7	1.2	9.1	0.2	-	0.3
EUROPEAN CPE	180,352	100.0	0.8	93.3	1.3	-	3.9	0.7	-	-	-
Czechoslovakia	33,420	100.0	0.1	99.2	-	-	-	0.6	-	-	0.1
USSR	105,845	100.0	0.9	92.9	2.2	-	3.4	0.7	-	-	0.1
Others	41,087	100.0	1.2	89.6	-	0.1	8.4	0.7	-	-	-
LATIN AMERICA	109,458	100.0	38.9	35.4	2.6	2.9	0.6	3.7	15.9	-	-
Brazil	65,480	100.0	28.5	52.0	1.1	4.8	0.9	4.2	8.5	-	-
Honduras	12,710	100.0	15.6	22.4	3.8	-	-	-	58.2	-	-
Paraguay	326	100.0	55.2	18.4	25.8	-	-	-	-	-	0.6
Others	30,942	100.0	70.4	5.8	4.9	0.1	-	4.2	14.5	-	0.1
TROPICAL AFRICA	46,859	100.0	2.4	86.5	-	0.9	8.1	1.4	0.7	-	-
Ivory Coast	21,228	100.0	3.4	77.1	-	1.9	14.9	2.5	-	-	0.2
Untd. Rep. Camr.	9,285	100.0	1.2	97.5	0.1	0.1	0.2	0.1	0.7	-	0.1
Others	16,346	100.0	1.6	92.5	-	0.1	3.6	0.6	1.5	-	0.1
NORTH AFRICA	25	100.0	20.0	72.0	-	-	-	-	-	-	8.0
Libyan Arab Jm	4	100.0	-	100.0	-	-	-	-	-	-	-
Morocco	12	100.0	33.3	58.3	-	-	-	-	-	-	8.4
Tunisia	5	100.0	-	100.0	-	-	-	-	-	-	-
Others	4	100.0	25.0	50.0	-	-	-	-	-	-	25.0
WEST ASIA	9,220	100.0	0.1	3.7	-	-	17.0	79.3	-	-	0.1
Kuwait	3	100.0	-	-	-	-	-	100.0	-	-	-
Lebanon	2	100.0	-	50.0	-	-	-	-	-	-	50.0
United Arab Em.	1,208	100.0	-	0.1	-	-	-	99.8	-	-	0.1
Others	3,007	100.0	0.1	4.2	-	-	19.5	76.2	-	-	-
SOUTH ASIA	11,226	100.0	10.7	35.2	9.2	0.2	-	43.0	0.1	1.6	-
Burma	8,689	100.0	8.5	37.9	1.3	0.2	-	52.0	-	-	0.1
India	1,962	100.0	18.1	25.3	46.4	-	-	9.7	0.3	-	0.2
Others	575	100.0	19.3	27.5	0.9	-	-	19.8	-	32.0	0.5
EAST ASIA (MFG)	171,839	100.0	18.2	41.1	8.3	2.1	2.2	26.7	0.4	1.0	-
Hong Kong	1,557	100.0	58.4	15.0	0.4	2.2	0.3	11.6	0.3	11.6	0.2
Korea Republic	13,536	100.0	59.9	20.4	15.0	-	-	0.5	4.2	-	-
Philippines	63,988	100.0	27.3	53.6	15.8	0.1	-	3.2	-	-	-
Singapore	86,612	100.0	4.1	35.7	1.7	3.8	4.4	48.5	0.1	1.7	-
Thailand	6,146	100.0	19.4	40.5	11.2	3.0	0.1	25.7	-	-	0.1
SOUTHEAST ASIA	371,319	100.0	13.0	33.8	9.4	0.3	1.8	41.7	-	0.1	0.1
Indonesia	191,318	100.0	20.9	19.0	12.3	0.2	2.1	45.5	-	0.1	0.1
Malaysia	178,235	100.0	4.4	49.9	6.1	-	1.5	38.0	-	-	0.1
Others	1,766	100.0	18.0	10.5	29.9	38.0	-	1.4	-	-	2.2
ASIAN CPE	6,981	100.0	17.2	12.3	32.2	-	8.7	27.0	2.4	-	0.2
China	6,035	100.0	19.9	14.1	35.2	-	0.1	28.6	1.9	-	0.2
Others	946	100.0	0.1	1.1	12.7	-	63.4	16.5	3.0	-	0.2
NES	327	100.0	0.9	87.5	-	-	-	11.0	-	-	0.6

Table D.05.1. Exports of chemical products in 1975
(Per cent, world in constant 1975 thousand US dollars)

Exporting region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	3,869,938	100.0	6.1	60.6	0.9	2.1	4.6	11.9	6.1	7.5	0.2
DEVELOPED MARKET	3,710,397	100.0	5.6	62.6	0.9	2.1	4.2	11.1	5.5	7.9	0.1
North America	377,374	100.0	28.9	26.4	4.7	3.7	1.1	11.7	22.6	0.9	-
Europe North	2,860,127	100.0	2.1	76.1	0.3	1.4	4.6	5.1	3.0	7.4	-
Europe South	65,513	100.0	1.9	22.8	0.1	0.6	19.6	10.5	1.9	42.3	0.3
Japan	373,859	100.0	8.2	7.3	-	5.3	1.6	55.3	9.0	13.3	-
Others	33,524	100.0	22.9	6.5	14.8	14.5	2.6	19.9	0.8	0.6	17.4
EUROPEAN CPE	41,939	100.0	3.8	80.8	3.2	-	7.0	3.8	1.3	-	0.1
Czechoslovakia	5,552	100.0	-	93.7	-	-	1.2	2.5	2.6	-	-
Poland	7,548	100.0	11.5	76.5	4.5	-	1.5	3.6	2.4	-	-
Others	28,838	100.0	2.5	79.5	3.4	-	9.6	4.2	0.8	-	-
LATIN AMERICA	40,210	100.0	39.6	3.6	0.2	0.2	11.7	0.2	44.4	0.1	-
Brazil	3,713	100.0	2.0	1.7	0.1	1.2	10.9	1.5	82.6	-	-
Neth. Antilles	19,627	100.0	68.0	5.3	-	-	17.7	-	8.9	-	0.1
Venezuela	1,659	100.0	10.2	0.3	-	-	49.1	-	40.3	-	0.1
Others	15,209	100.0	15.3	2.1	0.4	0.1	0.1	0.3	81.3	0.4	-
TROPICAL AFRICA	4,526	100.0	0.2	3.8	0.1	-	89.8	0.6	0.5	-	5.0
Ivory Coast	1,036	100.0	-	2.6	-	-	88.1	-	-	-	9.3
Kenya	870	100.0	0.1	0.5	-	-	85.3	-	-	-	14.1
Others	2,618	100.0	0.3	5.4	0.2	-	92.0	1.1	0.9	-	0.1
NORTH AFRICA	391	100.0	-	11.5	-	-	86.4	1.0	-	-	1.1
Algeria	8	100.0	-	-	-	-	100.0	-	-	-	-
Morocco	210	100.0	-	10.5	-	-	86.7	1.9	-	-	0.9
Tunisia	127	100.0	-	4.7	-	-	94.5	-	-	-	0.8
Others	45	100.0	-	37.8	-	-	60.0	-	-	-	2.2
WEST ASIA	13,018	100.0	-	3.5	-	-	33.7	62.6	0.1	0.1	-
Jordan	985	100.0	-	-	-	-	28.5	71.4	-	-	0.1
Kuwait	1,131	100.0	-	-	-	-	0.3	99.7	-	-	-
Lebanon	8,325	100.0	-	2.2	-	-	35.7	61.8	0.2	-	0.1
Others	2,575	100.0	-	10.4	-	-	43.7	45.4	-	0.4	0.1
SOUTH ASIA	1,948	100.0	0.3	5.4	1.9	-	18.3	70.7	3.0	-	0.4
India	1,792	100.0	0.4	5.2	2.2	-	20.4	71.2	0.4	-	0.2
Pakistan	107	100.0	-	1.0	-	-	-	49.5	48.5	-	1.0
Others	95	100.0	-	14.0	-	-	-	84.9	-	-	1.1
EAST ASIA (MFG)	48,826	100.0	0.7	1.4	3.2	4.7	9.0	79.2	1.3	0.2	0.3
Hong Kong	7,013	100.0	0.7	1.3	4.1	1.2	45.4	40.0	6.7	0.4	0.2
Korea Republic	4,402	100.0	2.5	2.8	12.6	0.7	-	77.3	3.9	-	0.2
Philippines	1,745	100.0	-	3.0	21.9	4.8	-	63.7	-	-	6.6
Singapore	33,643	100.0	0.1	0.9	0.5	6.2	3.5	88.8	-	-	-
Thailand	2,020	100.0	7.1	5.1	9.4	0.8	0.9	73.4	0.2	2.8	0.3
SOUTHEAST ASIA	2,276	100.0	-	0.6	0.1	0.6	2.7	93.6	-	-	2.4
Indonesia	24	100.0	-	-	8.5	-	8.5	78.7	-	-	4.3
Malaysia	987	100.0	0.1	0.5	-	1.3	6.1	91.8	-	-	0.2
Others	1,263	100.0	-	0.7	-	0.1	-	95.3	-	-	3.9
ASIAN CPE	4,653	100.0	0.3	18.9	4.7	5.2	14.3	54.0	2.3	-	0.3
China	4,435	100.0	0.3	19.9	5.0	5.5	14.6	52.2	2.5	-	-
Others	217	100.0	-	-	-	-	8.2	90.8	-	-	1.0
NES	1,754	100.0	-	1.6	-	45.8	29.0	23.8	0.7	-	0.1

Table D.05.11. Exports of chemical products in 1980
(Per cent, world in constant 1975 thousand US dollars)

Exporting region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	6,366,934	100.0	5.2	62.1	1.3	2.2	4.6	12.9	5.8	5.4	0.5
DEVELOPED MARKET	5,968,094	100.0	4.6	64.7	1.1	2.2	4.7	11.4	5.5	5.5	0.3
North America	760,234	100.0	15.6	22.4	4.8	5.0	2.6	20.6	25.4	2.5	0.1
Europe North	4,603,223	100.0	2.1	77.8	3.4	1.3	4.8	6.6	2.2	4.8	-
Europe South	153,952	100.0	0.9	45.2	0.6	1.8	19.1	8.6	5.3	18.3	0.2
Japan	376,085	100.0	9.7	9.8	-	6.0	1.6	52.9	3.5	16.0	0.5
Others	74,600	100.0	33.3	5.7	13.0	9.1	1.5	15.0	3.9	0.1	18.4
EUROPEAN CEE	107,774	100.0	1.2	70.5	1.7	0.6	2.5	9.7	0.7	13.0	0.1
Czechoslovakia	32,429	100.0	-	78.5	0.1	0.1	0.5	11.2	0.1	9.4	0.1
Poland	13,624	100.0	5.3	56.9	5.2	0.1	0.7	3.2	0.9	28.3	-
Others	56,720	100.0	0.5	70.3	1.4	1.1	4.3	11.0	1.2	10.1	0.1
LATIN AMERICA	98,779	100.0	48.5	1.9	0.5	0.3	1.3	1.3	46.2	-	-
Brazil	17,651	100.0	1.8	1.3	0.6	0.1	4.8	2.9	88.5	-	-
Neth. Antilles	20,844	100.0	91.2	1.5	-	-	0.2	-	7.1	-	-
Venezuela	24,273	100.0	90.9	0.1	-	-	1.5	-	7.5	-	-
Others	36,008	100.0	18.2	3.8	1.0	0.7	-	2.1	74.2	-	-
TROPICAL AFRICA	4,622	100.0	0.6	26.6	-	-	70.5	1.7	0.3	-	0.3
Ivory Coast	656	100.0	-	-	-	-	100.0	-	-	-	-
Kenya	977	100.0	-	1.1	-	-	98.4	0.3	-	-	0.2
Others	2,987	100.0	0.9	40.7	-	-	54.9	2.6	0.5	-	0.4
NORTH AFRICA	987	100.0	0.3	66.3	-	-	9.0	20.5	-	3.4	0.5
Algeria	415	100.0	-	100.0	-	-	-	-	-	-	-
Morocco	115	100.0	0.9	67.5	-	-	29.8	0.9	-	-	0.9
Tunisia	142	100.0	1.4	54.3	-	-	17.9	-	-	23.6	2.8
Others	313	100.0	-	26.5	-	-	9.1	64.1	-	-	0.3
WEST ASIA	25,833	100.0	0.1	1.1	-	-	2.1	96.7	-	-	-
Jordan	3,455	100.0	-	0.4	-	-	1.2	98.3	-	-	0.1
Kuwait	2,792	100.0	-	0.3	-	-	-	99.7	-	-	-
Lebanon	4,767	100.0	-	-	-	-	1.0	99.0	-	-	-
Others	14,817	100.0	0.1	1.7	-	-	3.1	95.0	-	-	0.1
SOUTH ASIA	1,995	100.0	0.3	14.8	0.4	-	9.0	56.0	16.5	2.7	0.3
India	1,825	100.0	0.3	12.9	0.4	-	9.9	57.5	15.8	3.0	0.2
Pakistan	119	100.0	-	43.6	-	-	-	56.4	-	-	-
Others	53	100.0	-	16.3	2.0	-	-	2.0	77.6	-	2.1
EAST ASIA (MFG)	119,876	100.0	1.1	1.6	9.9	4.7	4.4	65.8	0.3	2.1	10.1
Hong Kong	12,875	100.0	0.6	2.5	5.9	0.7	24.1	48.5	1.8	15.9	-
Korea Republic	42,898	100.0	0.8	1.6	22.2	2.6	1.3	43.9	0.3	-	27.3
Philippines	3,471	100.0	23.1	1.3	19.9	4.5	-	50.8	0.1	-	0.3
Singapore	56,334	100.0	0.1	0.6	1.5	7.5	2.8	86.0	-	0.7	0.7
Thailand	4,295	100.0	-	11.4	0.9	0.3	0.3	84.3	-	2.7	0.1
SOUTHEAST ASIA	9,135	100.0	55.7	2.0	0.3	0.3	0.6	39.9	0.3	-	0.9
Indonesia	4,633	100.0	98.4	-	0.5	-	0.4	0.6	-	-	0.1
Malaysia	4,102	100.0	13.0	4.3	0.1	0.7	0.9	80.3	0.6	-	0.1
Others	399	100.0	-	0.3	-	0.3	-	80.8	-	-	18.6
ASIAN CPE	22,128	100.0	0.2	4.6	9.1	2.5	1.9	81.4	0.2	-	0.1
China	21,053	100.0	0.3	4.8	9.6	2.7	1.9	80.4	0.2	-	0.1
Others	1,074	100.0	-	0.2	-	-	0.4	99.4	-	-	-
NES	7,711	100.0	38.9	36.3	-	7.9	4.7	10.8	1.3	0.1	-

Table D.05.111. Exports of chemical products in 1983
(Per cent, world in constant 1975 thousand US dollars)

Exporting region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	5,065,577	100.0	8.5	58.2	1.7	2.2	4.2	15.2	4.5	5.3	0.2
DEVELOPED MARKET	4,701,560	100.0	7.7	60.9	1.5	2.3	4.3	13.6	4.4	5.3	-
North America	633,903	100.0	23.9	18.2	6.6	4.2	1.8	20.9	20.8	3.6	-
Europe North	3,528,079	100.0	3.7	75.7	0.5	1.4	4.4	8.3	1.6	4.3	0.1
Europe South	138,328	100.0	2.2	35.4	0.8	2.2	23.0	15.4	7.6	13.2	0.2
Japan	349,588	100.0	15.7	7.5	-	5.5	1.1	51.5	1.8	16.5	0.4
Others	51,662	100.0	38.8	5.3	13.6	19.2	1.1	21.6	0.1	0.2	0.1
EUROPEAN CPE	94,984	100.0	1.4	79.2	4.6	-	-	14.8	-	-	-
Czechoslovakia	22,839	100.0	-	89.8	-	-	-	10.1	-	-	0.1
Poland	10,206	100.0	8.3	71.4	6.8	-	-	13.5	-	-	-
Others	61,939	100.0	0.8	76.5	5.9	-	-	16.8	-	-	-
LATIN AMERICA	124,490	100.0	45.2	4.6	2.1	0.7	2.2	15.3	18.7	11.1	0.1
Brazil	57,286	100.0	6.4	1.6	0.3	0.3	4.6	32.0	30.7	24.1	-
Neth. Antilles	13,033	100.0	93.2	-	-	-	-	-	6.8	-	-
Venezuela	28,504	100.0	93.7	2.3	-	-	-	1.4	2.7	-	0.1
Others	25,667	100.0	53.4	16.4	9.7	2.6	0.7	1.4	15.8	-	-
TROPICAL AFRICA	4,171	100.0	-	2.3	-	-	-	96.4	0.6	0.6	0.1
Ivory Coast	3,934	100.0	-	0.2	-	-	-	99.0	-	0.7	0.1
Kenya	10	100.0	-	100.0	-	-	-	-	-	-	-
Others	227	100.0	-	33.9	-	-	-	54.2	11.9	-	-
NORTH AFRICA	3,154	100.0	-	66.6	-	-	-	2.2	31.2	-	-
Algeria	1,099	100.0	-	99.5	-	-	-	0.5	-	-	-
Morocco	88	100.0	-	27.3	-	-	-	71.6	-	-	1.1
Tunisia	20	100.0	-	100.0	-	-	-	-	-	-	-
Others	1,947	100.0	-	49.4	-	-	-	-	50.5	-	0.1
WEST ASIA	13,776	100.0	-	8.6	3.6	0.4	2.1	85.3	-	-	-
Jordan	4	100.0	-	100.0	-	-	-	-	-	-	-
Kuwait	4	100.0	-	75.0	-	-	-	-	-	-	25.0
Lebanon	28	100.0	-	21.4	-	-	-	71.4	-	-	7.2
Others	13,740	100.0	-	8.5	3.6	0.4	2.1	85.3	-	-	0.1
SOUTH ASIA	466	100.0	4.1	5.2	0.6	-	-	89.5	-	-	0.6
India	205	100.0	9.3	7.3	1.5	-	-	80.5	-	-	1.4
Pakistan	181	100.0	-	5.0	-	-	-	95.0	-	-	-
Others	80	100.0	-	-	-	-	-	100.0	-	-	-
EAST ASIA (MFG)	101,739	100.0	4.0	1.9	10.2	2.6	1.9	74.1	0.4	4.3	0.6
Hong Kong	13,965	100.0	1.8	2.3	28.7	0.9	8.2	26.6	0.9	30.4	0.2
Korea Republic	22,138	100.0	14.8	4.2	24.2	0.7	0.1	54.7	1.1	-	0.2
Philippines	2,315	100.0	16.8	4.2	5.3	-	-	73.2	0.3	-	0.2
Singapore	59,442	100.0	0.3	0.6	1.1	3.8	1.2	91.9	-	0.2	0.9
Thailand	3,879	100.0	0.4	6.3	5.2	2.1	-	83.6	-	1.7	0.7
SOUTHEAST ASIA	9,524	100.0	76.0	0.5	-	0.2	-	22.5	-	-	0.8
Indonesia	6,604	100.0	99.9	-	-	-	-	-	-	-	0.1
Malaysia	2,634	100.0	24.6	1.6	-	0.7	0.1	72.9	-	-	0.1
Others	286	100.0	-	1.4	-	1.0	-	77.3	-	-	20.3
ASIAN CPE	7,818	100.0	1.1	4.0	6.1	0.1	2.1	86.2	0.2	-	0.2
China	7,381	100.0	1.2	4.3	6.5	0.1	2.2	85.6	0.1	-	-
Others	437	100.0	-	-	-	-	-	97.9	1.6	-	0.5
NES	3,895	100.0	94.6	4.2	-	-	0.9	-	0.2	-	0.1

Table D.06.1. Exports of minimally processed mineral products in 1975
(Per cent, world in constant 1975 thousand US dollars)

Exporting region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	226,883	100.0	5.6	62.6	6.9	0.6	8.3	8.9	3.4	0.9	2.8
DEVELOPED MARKET	188,034	100.0	5.6	69.8	4.9	0.5	8.6	3.8	2.6	1.0	3.2
North America	14,658	100.0	59.9	11.4	4.0	1.4	1.1	4.6	17.6	-	-
Europe North	130,553	100.0	0.4	85.4	1.4	0.4	6.5	3.7	1.6	0.4	0.2
Europe South	19,960	100.0	0.4	52.1	1.9	0.2	33.7	2.7	0.9	6.9	1.2
Japan	1,127	100.0	2.3	-	-	0.1	10.2	81.3	5.6	-	0.5
Others	21,736	100.0	4.3	32.1	31.6	0.6	3.1	0.6	-	-	27.7
EUROPEAN CPE	2,663	100.0	-	68.1	0.6	-	4.5	26.6	-	-	0.2
Hungary	271	100.0	-	93.7	-	-	5.9	-	-	-	0.4
USSR	1,226	100.0	-	49.5	0.1	-	0.3	49.9	-	-	0.2
Others	1,164	100.0	-	81.7	1.3	-	8.5	8.3	-	-	0.2
LATIN AMERICA	7,683	100.0	29.4	26.7	3.9	2.1	0.3	-	37.5	-	0.1
Brazil	1,369	100.0	6.7	41.6	17.6	11.0	-	-	22.8	-	0.3
Trinidad and Tobago	1,211	100.0	1.6	89.7	-	0.9	-	-	7.4	-	0.4
Venezuela	3,061	100.0	68.6	-	-	-	-	-	31.4	-	-
Others	2,040	100.0	2.5	19.5	2.7	-	1.0	-	74.2	-	0.1
TROPICAL AFRICA	3,613	100.0	-	77.5	1.4	-	20.6	-	0.2	-	0.3
Angola	1,949	100.0	-	97.3	2.6	-	-	-	-	-	0.1
Mozambique	401	100.0	-	100.0	-	-	-	-	-	-	-
Others	1,262	100.0	-	39.7	-	-	58.9	-	0.6	-	0.8
NORTH AFRICA	2,001	100.0	-	38.7	-	-	57.5	0.3	-	-	3.5
Algeria	14	100.0	-	-	-	-	92.3	-	-	-	7.7
Morocco	1,925	100.0	-	38.3	-	-	58.3	-	-	-	3.4
Tunisia	52	100.0	-	68.7	-	-	29.2	-	-	-	2.1
Others	8	100.0	-	12.5	-	-	-	75.0	-	-	12.5
WEST ASIA	5,214	100.0	-	24.1	0.9	-	10.3	64.4	0.1	-	0.2
Iran	1,040	100.0	-	74.4	4.5	-	-	20.0	0.7	-	0.4
Jordan	453	100.0	-	0.5	-	-	-	99.3	-	-	0.2
Turkey	674	100.0	-	64.2	-	-	-	35.8	-	-	-
Others	3,046	100.0	-	1.6	-	-	17.7	80.7	-	-	-
SOUTH ASIA	4,268	100.0	0.3	39.9	29.6	-	1.4	28.5	-	-	0.3
India	2,429	100.0	0.6	23.7	37.3	-	2.3	35.9	-	-	0.2
Pakistan	1,638	100.0	-	63.2	19.2	-	-	17.4	-	-	0.2
Others	37	100.0	-	47.2	5.6	-	-	44.4	-	-	2.8
EAST ASIA (MFG)	7,189	100.0	0.3	0.2	56.3	-	-	43.0	-	-	0.2
Hong Kong	173	100.0	-	-	-	-	1.2	98.8	-	-	-
Korea Republic	4,947	100.0	0.4	-	81.7	-	-	17.8	-	-	0.1
Philippines	39	100.0	5.3	42.1	21.1	-	-	21.1	-	-	10.4
Singapore	1,920	100.0	-	-	-	-	-	100.0	-	-	-
Thailand	107	100.0	-	-	-	-	-	100.0	-	-	-
SOUTHEAST ASIA	425	100.0	-	-	-	-	-	99.5	-	-	0.5
Indonesia	133	100.0	-	-	-	-	-	100.0	-	-	-
Malaysia	149	100.0	-	-	-	-	-	98.5	-	-	1.5
Others	142	100.0	-	-	-	-	-	100.0	-	-	-
ASIAN CPE	5,277	100.0	-	0.3	16.7	-	2.6	80.3	-	-	0.1
China	4,894	100.0	-	-	10.5	-	2.8	86.6	-	-	0.1
Others	382	100.0	-	3.9	95.9	-	-	-	-	-	0.2
NES	516	100.0	-	4.3	-	54.8	7.2	33.3	-	-	0.4

Table D.06.11. Exports of minimally processed mineral products in 1980
(Per cent, world in constant 1975 thousand US dollars)

Exporting region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	322,904	100.0	9.0	56.6	10.5	0.8	3.7	12.2	3.5	0.6	3.1
DEVELOPED MARKET	252,087	100.0	5.7	66.2	5.9	0.8	4.3	9.6	2.8	0.6	4.1
North America	23,150	100.0	49.4	13.1	6.0	1.2	1.1	3.6	20.5	-	0.1
Europe North	173,786	100.0	1.1	79.0	2.6	0.6	4.4	10.8	1.1	0.3	0.1
Europe South	23,850	100.0	0.7	59.0	7.6	0.4	11.9	10.8	1.3	4.0	4.3
Japan	1,126	100.0	2.1	0.8	-	1.0	5.8	89.7	-	-	0.6
Others	30,175	100.0	2.4	35.3	24.7	2.3	-	3.2	0.4	-	31.7
EUROPEAN CPE	3,031	100.0	-	84.7	2.6	-	4.1	1.9	-	6.3	0.4
Hungary	347	100.0	-	94.8	-	-	4.3	-	-	0.3	0.6
USSR	843	100.0	-	92.3	4.7	-	0.1	1.9	-	0.6	0.4
Others	1,840	100.0	-	79.3	2.1	-	5.9	2.3	-	10.1	0.3
LATIN AMERICA	24,949	100.0	57.4	21.1	4.8	-	0.1	0.2	16.4	-	-
Brazil	4,687	100.0	0.2	75.8	13.6	-	-	1.0	9.3	-	0.1
Trinidad and Tobago	1,373	100.0	0.2	60.8	6.1	0.7	1.6	-	30.2	-	0.4
Venezuela	14,833	100.0	96.1	-	-	-	-	-	3.9	-	-
Others	4,054	100.0	1.4	21.5	11.5	-	-	-	65.4	-	0.2
TROPICAL AFRICA	482	100.0	-	24.6	-	1.3	48.5	25.2	-	-	0.4
Angola	102	100.0	-	100.0	-	-	-	-	-	-	-
Mozambique	121	100.0	-	-	-	-	-	100.0	-	-	-
Others	258	100.0	-	6.2	-	2.5	90.5	-	-	-	0.8
NORTH AFRICA	372	100.0	-	81.8	-	-	13.4	3.9	-	-	0.9
Algeria	87	100.0	-	46.4	-	-	52.4	-	-	-	1.2
Morocco	139	100.0	-	96.3	-	-	3.0	-	-	-	0.7
Tunisia	9	100.0	-	88.9	-	-	-	-	-	-	11.1
Others	136	100.0	-	89.3	-	-	-	10.7	-	-	-
WEST ASIA	6,233	100.0	-	23.7	11.9	-	7.7	67.5	-	-	0.2
Iran	1,033	100.0	-	91.9	5.3	-	-	2.8	-	-	0.2
Jordan	942	100.0	-	-	-	-	0.3	99.7	-	-	-
Turkey	1,805	100.0	-	26.6	-	-	26.6	46.6	-	-	0.2
Others	2,450	100.0	-	2.0	-	-	-	98.0	-	-	-
SOUTH ASIA	13,818	100.0	1.0	38.3	49.4	1.9	0.4	7.4	-	1.5	0.1
India	13,115	100.0	0.9	35.4	53.4	2.1	0.4	5.9	-	1.7	0.2
Pakistan	1,359	100.0	1.0	60.2	15.8	0.3	0.2	22.1	-	-	0.4
Others	161	100.0	4.6	88.2	2.0	-	-	4.6	-	-	0.6
EAST ASIA (MFG)	10,142	100.0	0.1	0.2	70.8	0.1	0.1	28.6	-	-	0.1
Hong Kong	240	100.0	-	-	-	-	-	99.6	-	-	0.4
Korea Republic	7,557	100.0	-	-	94.6	-	-	5.4	-	-	-
Philippines	99	100.0	10.3	19.6	30.9	3.1	-	30.9	-	-	5.2
Singapore	2,211	100.0	-	-	0.3	0.5	-	99.2	-	-	-
Thailand	33	100.0	-	-	-	-	21.2	78.8	-	-	-
SOUTHEAST ASIA	3,051	100.0	-	-	25.4	-	-	74.3	-	-	0.3
Indonesia	1,154	100.0	-	-	0.2	-	-	99.5	-	-	0.3
Malaysia	1,887	100.0	-	-	40.9	-	-	59.0	-	-	0.1
Others	9	100.0	-	-	11.1	-	-	77.8	-	-	11.1
ASIAN CPE	8,595	100.0	-	0.9	37.7	2.0	-	59.2	-	-	0.2
China	8,193	100.0	-	1.0	34.8	2.1	-	62.1	-	-	-
Others	401	100.0	-	-	98.3	-	-	1.4	-	-	0.3
NES	144	100.0	-	5.6	0.7	38.9	0.7	51.4	-	-	2.7

Table D.06.111. Exports of minimally processed mineral products in 1983
(Per cent, world in constant 1975 thousand US dollars)

Exporting region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	203,092	100.0	5.8	54.6	15.2	0.9	3.2	18.1	1.5	0.5	0.2
DEVELOPED MARKET	150,991	100.0	7.6	65.8	7.9	1.1	3.7	11.4	1.7	0.6	0.2
North America	15,194	100.0	36.1	28.0	12.1	3.4	1.5	7.3	11.5	-	0.1
Europe North	108,810	100.0	4.6	73.2	3.6	0.8	4.1	12.4	0.8	0.5	-
Europe South	14,841	100.0	0.6	61.5	15.7	0.5	5.2	10.9	0.5	2.9	2.2
Japan	969	100.0	-	1.0	-	0.1	8.6	89.6	-	0.3	0.4
Others	11,177	100.0	8.4	56.7	33.7	0.9	-	0.2	-	-	0.1
EUROPEAN CPE	2,177	100.0	-	56.0	4.0	-	0.3	39.6	-	-	0.1
Hungary	1,162	100.0	-	25.8	-	-	-	74.2	-	-	-
USSR	304	100.0	-	73.4	26.6	-	-	-	-	-	-
Others	71	100.0	-	98.0	0.8	-	0.8	-	-	-	0.4
LATIN AMERICA	5,187	100.0	1.6	77.1	11.7	0.5	-	0.3	8.0	0.6	0.2
Brazil	3,542	100.0	1.2	78.8	11.8	0.4	-	0.5	6.4	0.8	0.1
Trinidad and Tobago	1,041	100.0	0.2	97.2	1.9	0.3	-	0.1	-	-	0.3
Venezuela	7	100.0	-	57.1	-	-	-	-	28.6	-	14.3
Others	597	100.0	7.0	32.0	28.5	1.2	-	-	30.7	-	0.6
TROPICAL AFRICA	406	100.0	-	23.4	75.4	-	0.5	-	-	-	0.7
Angola	364	100.0	-	15.7	84.1	-	-	-	-	-	0.2
Mozambique	-	-	-	-	-	-	-	-	-	-	-
Others	42	100.0	-	90.5	-	-	4.8	-	-	-	4.7
NORTH AFRICA	249	100.0	-	100.0	-	-	-	-	-	-	-
Algeria	12	100.0	-	100.0	-	-	-	-	-	-	-
Morocco	236	100.0	-	100.0	-	-	-	-	-	-	-
Tunisia	1	100.0	-	100.0	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-
WEST ASIA	3,425	100.0	0.4	29.6	0.6	-	25.7	41.1	-	2.5	0.1
Iran	70	100.0	-	72.9	25.7	-	-	-	-	-	1.4
Jordan	-	-	-	-	-	-	-	-	-	-	-
Turkey	3,219	100.0	0.4	28.3	-	-	27.3	41.2	-	2.7	0.1
Others	136	100.0	-	37.5	1.5	-	0.7	58.8	-	-	1.5
SOUTH ASIA	12,402	100.0	1.6	37.3	53.9	0.4	0.1	6.6	-	-	0.1
India	11,027	100.0	1.4	37.1	59.1	0.4	-	2.0	-	-	-
Pakistan	1,046	100.0	3.8	39.4	16.0	1.0	0.7	38.6	-	0.1	0.4
Others	329	100.0	-	37.1	2.7	-	-	59.3	-	-	0.9
EAST ASIA (MFG)	11,887	100.0	-	0.4	69.1	0.1	-	30.3	-	-	0.1
Hong Kong	10	100.0	-	-	-	-	-	80.0	-	-	20.0
Korea Republic	6,867	100.0	-	-	98.2	-	-	1.7	0.1	-	-
Philippines	1,545	100.0	-	3.0	95.3	-	-	1.6	-	-	0.1
Singapore	3,344	100.0	-	-	-	0.2	-	99.6	-	-	0.2
Thailand	121	100.0	-	-	-	-	-	99.2	-	-	0.8
SOUTHEAST ASIA	10,865	100.0	-	-	8.5	-	-	91.5	-	-	-
Indonesia	6,044	100.0	-	-	4.5	-	-	95.4	-	-	0.1
Malaysia	4,821	100.0	-	-	13.4	-	-	86.5	-	-	0.1
Others	-	-	-	-	-	-	-	-	-	-	-
ASIAN CPE	5,370	100.0	-	3.7	40.0	1.0	-	55.2	0.1	-	-
China	5,150	100.0	-	3.8	37.5	1.1	-	57.5	0.1	-	-
Others	220	100.0	-	-	100.0	-	-	-	-	-	-
NES	133	100.0	-	100.0	-	-	-	-	-	-	-

Section E

Major sources of imported materials by
principal importing country and region,
1975, 1980 and 1982

This section shows the international sources of certain major raw materials and intermediate products used in the production of building materials.

The data source is the UNSO Commodity Trade Statistics. Where a given country does not report on its external trade, its trading partners' reports have been used to estimate its exports and imports. Since these trade statistics are far from complete, particularly for the trade among the centrally planned economies (CPE), the use of partner data does not always close the gap. Therefore, the figures for these countries do not generally reflect CPE internal trade.

The appropriate export price indices from the UN Monthly Bulletin of Statistics were used to express the reported current value figures in constant 1975 US dollars.

Table E.01.1. Imports of ingots & other primary forms of iron & steel in 1975
(Per cent, world in constant 1975 thousand US dollars)

Importing region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	4,608,411	100.0	4.8	49.7	28.5	6.5	0.1	2.0	0.6	7.6	0.2
DEVELOPED MARKET	2,331,764	100.0	2.2	69.6	12.5	3.9	0.2	1.1	0.1	10.3	0.1
North America	108,204	100.0	26.8	39.5	15.1	2.5	-	13.8	2.3	-	-
Europe North	1,570,035	100.0	0.7	82.4	8.3	2.8	0.3	0.5	0.1	5.1	0.2
Europe South	600,853	100.0	1.3	46.5	19.7	5.1	-	0.8	-	28.8	-
Japan	15,127	100.0	3.7	1.0	-	89.6	-	0.7	-	5.0	-
Others	37,543	100.0	7.7	20.3	66.8	1.3	-	-	-	-	3.9
EUROPEAN CPE	176,848	100.0	-	67.5	3.0	12.2	-	-	-	13.0	4.3
German Dem. Rep.	11,971	100.0	-	57.9	42.1	-	-	-	-	-	-
USSR	4,155	100.0	-	99.9	-	-	-	0.1	-	-	-
Others	160,721	100.0	-	67.4	0.2	13.4	-	-	-	14.3	4.7
LATIN AMERICA	807,948	100.0	11.6	28.3	46.2	9.8	-	1.2	2.8	0.1	-
Argentina	355,360	100.0	4.0	19.9	59.1	12.5	-	2.2	2.3	-	-
Mexico	47,777	100.0	51.7	21.8	26.5	-	-	-	-	-	-
Venezuela	115,102	100.0	12.0	54.0	30.4	3.4	-	-	0.2	-	-
Others	289,707	100.0	14.1	29.6	39.8	10.6	-	0.6	4.8	0.3	0.2
TROPICAL AFRICA	63,040	100.0	27.8	51.7	10.8	0.7	0.1	2.2	2.1	4.5	0.1
Kenya	3,296	100.0	0.1	12.0	68.1	-	-	19.8	-	0.1	0.1
Nigeria	40,267	100.0	42.0	47.5	3.9	-	-	0.2	3.2	3.0	0.2
Others	19,476	100.0	3.3	67.2	15.2	2.2	0.2	3.5	0.1	8.3	-
NORTH AFRICA	56,615	100.0	10.2	41.4	29.5	-	-	0.9	-	18.0	-
Algeria	21,422	100.0	-	52.7	45.7	-	-	-	-	1.8	-
Egypt	26,498	100.0	18.7	25.5	16.9	-	-	1.9	-	37.0	-
Morocco	3,847	100.0	20.7	79.3	-	-	-	-	-	-	-
Others	4,847	100.0	-	48.6	50.8	-	-	-	-	0.5	0.1
WEST ASIA	689,327	100.0	5.5	34.8	40.2	6.9	0.2	5.7	0.1	6.2	0.4
Iran	147,626	100.0	3.3	29.4	29.2	22.9	-	7.0	-	8.2	-
Saudi Arabia	43,334	100.0	12.2	20.5	48.2	-	0.4	9.9	0.3	2.5	6.0
Turkey	181,160	100.0	0.2	67.6	19.4	3.2	0.1	-	-	9.8	-
Others	317,207	100.0	8.7	20.5	56.1	2.5	0.4	7.7	0.3	3.8	-
SOUTH ASIA	62,995	100.0	16.9	17.3	22.7	17.7	-	13.8	-	11.5	0.1
India	11,836	100.0	0.2	41.1	50.7	-	-	-	-	7.9	0.1
Pakistan	35,335	100.0	30.1	14.4	10.2	29.9	-	4.9	-	10.8	0.1
Others	15,824	100.0	-	5.9	29.8	3.7	-	44.2	-	16.3	0.1
EAST ASIA (MFG)	247,988	100.0	1.0	0.4	78.0	15.8	-	0.5	0.2	3.7	0.4
Hong Kong	14,796	100.0	1.5	0.2	17.2	72.5	-	-	-	8.5	0.1
Korea Republic	128,190	100.0	-	-	96.9	2.4	-	-	-	-	0.7
Philippines	61,139	100.0	3.5	0.8	51.0	37.8	-	-	0.8	6.1	-
Singapore	18,733	100.0	-	0.9	62.8	12.1	0.1	1.0	-	23.0	0.1
Thailand	25,129	100.0	0.1	1.4	94.6	-	-	3.8	-	-	0.1
SOUTHEAST ASIA	40,470	100.0	2.1	12.3	55.7	9.2	-	15.6	-	5.1	-
Indonesia	21,524	100.0	3.7	15.8	48.1	8.8	-	19.9	-	3.7	-
Malaysia	3,228	100.0	0.6	3.4	49.2	5.1	0.2	2.6	-	38.8	0.1
Others	15,716	100.0	0.2	9.2	67.5	10.6	-	12.5	-	-	-
ASIAN CPE	115,595	100.0	-	3.3	96.7	-	-	-	-	-	-
China	115,546	100.0	-	3.2	96.8	-	-	-	-	-	-
Others	49	100.0	-	100.0	-	-	-	-	-	-	-
NES	15,814	100.0	-	0.1	-	35.3	-	-	-	64.6	-

Table E.01.11. Imports of ingots & other primary forms of iron & steel in 1980
(Per cent, world in constant 1975 thousand US dollars)

Importing region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	5,719,688	100.0	5.4	60.1	15.1	2.9	0.7	4.0	2.5	9.2	0.1
DEVELOPED MARKET	3,681,289	100.0	2.9	76.4	2.6	1.5	0.1	3.3	2.0	11.2	-
North America	164,957	100.0	27.2	47.5	17.8	3.2	-	1.6	2.2	0.5	-
Europe North	2,838,219	100.0	1.5	85.1	0.6	1.3	0.1	1.3	1.6	8.5	-
Europe South	559,282	100.0	2.3	54.1	5.4	1.5	0.1	3.4	3.4	29.9	0.1
Japan	97,002	100.0	8.8	16.5	-	4.3	-	61.9	4.9	3.5	0.1
Others	21,827	100.0	0.4	9.1	80.9	4.9	-	0.9	-	0.2	3.6
EUROPEAN CPE	79,637	100.0	-	66.5	0.1	-	-	1.6	-	31.7	0.1
German Dem. Rep.	16,994	100.0	-	37.1	-	-	-	-	-	62.9	-
USSR	6,835	100.0	-	81.0	-	-	-	19.0	-	-	-
Others	55,806	100.0	-	73.7	0.2	-	-	-	-	26.1	-
LATIN AMERICA	553,089	100.0	26.5	31.5	32.8	0.8	-	0.9	7.4	-	0.1
Argentina	149,299	100.0	1.2	39.8	41.7	1.8	-	2.7	12.9	-	0.1
Mexico	134,444	100.0	66.1	21.9	10.8	-	-	0.1	1.1	-	-
Venezuela	138,689	100.0	2.3	41.9	50.9	-	-	0.2	4.7	-	-
Others	130,655	100.0	40.5	21.1	26.1	1.2	0.2	0.2	10.7	-	-
TROPICAL AFRICA	52,958	100.0	8.3	41.0	39.0	0.4	-	0.1	3.1	7.9	0.2
Kenya	13,718	100.0	-	57.8	38.4	1.7	-	0.1	-	2.1	0.1
Nigeria	16,449	100.0	26.4	23.1	50.1	-	-	0.1	0.3	-	-
Others	22,790	100.0	0.3	43.7	31.4	-	0.1	0.1	7.1	17.2	0.1
NORTH AFRICA	165,006	100.0	4.0	75.6	14.2	1.7	-	0.1	3.1	1.1	0.2
Algeria	134,800	100.0	2.5	76.9	16.5	-	-	-	3.8	0.3	-
Egypt	15,088	100.0	21.2	44.1	3.9	18.3	-	1.4	-	9.8	1.3
Morocco	5,956	100.0	-	100.0	-	-	-	-	-	-	-
Others	9,160	100.0	-	92.9	6.4	-	-	0.1	0.7	-	0.1
WEST ASIA	310,574	100.0	2.1	48.4	34.8	-	0.7	3.7	0.1	10.1	0.1
Iran	159,397	100.0	-	49.7	50.3	-	-	-	-	-	-
Saudi Arabia	23,973	100.0	2.3	19.8	59.1	-	-	18.0	-	0.7	0.1
Turkey	48,298	100.0	3.1	41.6	2.7	-	-	-	-	52.5	0.1
Others	78,906	100.0	5.7	58.7	15.7	-	2.7	9.2	0.5	7.5	-
SOUTH ASIA	98,142	100.0	7.8	23.1	7.2	15.4	3.0	14.1	13.8	15.7	0.1
India	43,270	100.0	9.4	48.2	5.7	0.3	-	27.0	-	9.6	0.2
Pakistan	26,340	100.0	13.6	5.7	16.3	3.7	-	4.8	51.3	4.6	-
Others	28,531	100.0	-	1.0	1.3	49.2	10.3	3.0	-	35.2	-
EAST ASIA (MFG)	588,816	100.0	3.4	8.3	67.4	8.8	1.6	7.0	0.1	2.9	0.5
Hong Kong	27,309	100.0	35.1	24.2	0.2	34.0	-	0.1	-	6.4	-
Korea Republic	342,547	100.0	1.3	7.0	86.3	4.4	-	-	-	-	1.0
Philippines	91,912	100.0	2.5	7.5	52.4	16.3	4.0	12.9	0.8	3.6	-
Singapore	20,670	100.0	0.3	32.8	20.8	21.3	11.1	10.6	0.1	3.0	-
Thailand	106,375	100.0	3.2	4.0	45.7	7.7	3.0	25.4	-	11.0	-
SOUTHEAST ASIA	134,591	100.0	8.3	17.8	8.0	8.1	15.9	25.8	3.9	12.2	-
Indonesia	86,717	100.0	11.4	11.9	5.0	8.6	22.8	24.4	3.5	12.4	-
Malaysia	43,785	100.0	2.6	30.4	14.0	0.2	3.6	30.8	5.1	13.2	0.1
Others	4,088	100.0	3.2	7.0	5.7	83.1	-	1.0	-	-	-
ASIAN CPE	34,198	100.0	-	19.7	64.4	14.3	-	0.6	-	1.0	-
China	34,174	100.0	-	19.7	64.4	14.3	-	0.6	-	1.0	-
Others	23	100.0	-	-	100.0	-	-	-	-	-	-
NES	21,383	100.0	-	0.2	-	99.8	-	-	-	-	-

Table E.01.111. Imports of ingots & other primary forms of iron & steel in 1983
(Per cent, world in constant 1975 thousand US dollars)

Importing region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPFs	NES
WORLD	3,319,036	100.0	2.9	61.9	15.7	2.0	0.4	5.4	4.0	7.6	0.1
DEVELOPED MARKET	2,262,739	100.0	3.6	74.9	1.3	1.8	0.2	6.1	2.6	9.4	0.1
North America	166,832	100.0	37.5	46.1	1.6	4.6	-	2.7	7.6	-	0.1
Europe North	1,588,594	100.0	0.7	88.9	0.7	0.6	0.3	0.5	1.1	7.2	-
Europe South	326,285	100.0	2.1	61.1	1.0	4.7	-	0.8	1.9	28.4	-
Japan	167,382	100.0	0.3	3.8	-	5.6	-	73.4	14.0	2.9	-
Others	13,644	100.0	0.5	3.3	91.9	4.3	-	-	-	-	-
EUROPEAN CPE	22,616	100.0	-	97.1	2.9	-	-	-	-	-	-
German Dem. Rep.	10,860	100.0	-	100.0	-	-	-	-	-	-	-
USSR	5,411	100.0	-	87.7	12.3	-	-	-	-	-	-
Others	6,343	100.0	-	100.0	-	-	-	-	-	-	-
LATIN AMERICA	114,221	100.0	8.8	50.5	28.4	0.2	-	0.9	11.0	0.2	-
Argentina	64,683	100.0	0.1	62.0	31.5	-	-	-	6.4	-	-
Mexico	15,071	100.0	25.5	38.6	35.9	-	-	-	-	-	-
Venezuela	1,100	100.0	2.0	46.4	50.1	-	-	-	1.4	-	0.1
Others	33,365	100.0	18.5	33.6	18.2	0.9	-	2.9	25.3	0.6	-
TROPICAL AFRICA	35,899	100.0	-	28.1	54.5	0.2	0.2	-	17.0	-	-
Kenya	10,459	100.0	-	21.4	78.6	-	-	-	-	-	-
Nigeria	13,179	100.0	-	37.0	21.0	-	-	-	42.0	-	-
Others	12,260	100.0	-	24.3	70.0	0.5	0.5	-	4.6	-	0.1
NORTH AFRICA	46,286	100.0	-	91.6	6.3	-	-	2.1	-	-	-
Algeria	23,930	100.0	-	100.0	-	-	-	-	-	-	-
Egypt	2,981	100.0	-	17.9	82.1	-	-	-	-	-	-
Morocco	6,438	100.0	-	93.1	6.9	-	-	-	-	-	-
Others	12,935	100.0	-	92.5	-	-	-	7.5	-	-	-
WEST ASIA	305,087	100.0	0.4	44.3	28.7	2.3	1.3	5.6	7.7	9.8	0.1
Iran	121,968	100.0	-	48.2	38.0	-	-	11.4	2.4	-	-
Saudi Arabia	48,269	100.0	0.2	25.5	65.1	-	-	1.4	7.7	-	0.1
Turkey	110,624	100.0	0.8	45.4	5.9	6.4	3.4	-	11.1	26.9	0.1
Others	24,224	100.0	0.4	56.7	13.1	-	-	10.1	19.6	-	0.1
SOUTH ASIA	20,384	100.0	2.3	56.7	25.9	1.0	3.6	1.1	6.6	2.9	0.1
India	12,205	100.0	-	67.8	31.6	-	-	-	0.6	-	-
Pakistan	6,620	100.0	7.1	38.9	19.8	3.1	-	3.2	19.1	8.8	-
Others	1,558	100.0	-	45.7	6.7	-	46.7	0.7	-	-	0.2
EAST ASIA (MFG)	347,790	100.0	0.9	12.2	69.7	3.5	1.0	3.5	6.7	2.5	-
Hong Kong	10,038	100.0	-	43.0	0.4	31.6	-	-	22.4	2.6	-
Korea Republic	199,803	100.0	0.4	2.3	97.3	-	-	-	-	-	-
Philippines	32,380	100.0	1.6	11.3	78.9	5.2	-	-	3.0	-	-
Singapore	22,932	100.0	1.1	66.4	1.0	-	15.0	0.1	6.9	9.6	0.1
Thailand	82,635	100.0	1.7	17.9	26.8	8.9	-	14.7	22.4	7.7	0.1
SOUTHEAST ASIA	83,987	100.0	0.1	42.5	31.6	5.3	0.2	10.1	7.7	2.7	0.2
Indonesia	25,085	100.0	0.3	31.8	7.5	11.3	0.6	29.4	10.3	9.0	0.2
Malaysia	58,359	100.0	-	47.5	42.2	1.8	-	1.8	6.7	-	-
Others	541	100.0	0.2	-	-	99.6	-	-	-	-	0.2
ASIAN CPE	80,023	100.0	-	4.2	94.7	-	-	-	1.1	-	-
China	79,964	100.0	-	4.2	94.7	-	-	-	1.1	-	-
Others	58	100.0	-	-	100.0	-	-	-	-	-	-
NES	1	100.0	-	100.0	-	-	-	-	-	-	-

Table E.02.1. Imports of copper and aluminum in 1975
(Per cent, world in constant 1975 thousand US dollars)

Importing region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	11,047,428	100.0	14.8	44.5	3.3	6.4	14.9	1.5	9.2	5.4	-
DEVELOPED MARKET	8,195,975	100.0	15.1	47.1	1.1	5.8	15.9	0.9	9.6	4.4	0.1
North America	989,217	100.0	51.1	20.7	5.6	3.0	6.0	0.5	13.1	-	-
Europe North	6,043,682	100.0	9.4	55.6	0.5	3.8	18.9	0.3	8.9	4.5	0.1
Europe South	449,974	100.0	9.3	50.5	0.5	2.7	13.1	1.8	13.5	8.5	0.1
Japan	621,694	100.0	15.9	3.8	-	28.7	27.1	7.3	8.8	8.4	-
Others	91,407	100.0	19.4	46.9	5.6	20.8	-	1.1	0.1	-	6.1
EUROPEAN CPE	537,182	100.0	0.6	60.7	1.5	-	1.0	0.1	2.0	34.1	-
Czechoslovakia	258,187	100.0	-	30.1	-	-	0.2	-	0.5	69.0	0.2
Poland	70,889	100.0	0.7	89.9	1.9	-	-	-	0.5	6.9	0.1
Others	208,105	100.0	1.2	88.7	3.2	-	2.4	0.2	4.3	-	-
LATIN AMERICA	640,771	100.0	33.1	22.4	4.6	1.1	9.8	1.4	26.2	1.4	-
Brazil	287,916	100.0	29.2	23.5	1.9	2.4	17.9	2.2	21.4	1.4	0.1
Mexico	41,926	100.0	72.5	16.0	11.3	-	-	-	-	-	0.2
Venezuela	45,866	100.0	60.8	26.3	0.7	-	-	-	12.2	-	-
Others	265,061	100.0	26.4	21.5	7.1	0.1	4.1	1.0	37.9	1.9	-
TROPICAL AFRICA	124,603	100.0	9.4	58.3	1.5	1.4	25.8	1.5	0.1	1.8	0.2
Ivory Coast	10,081	100.0	3.4	28.0	-	-	67.2	-	-	-	1.4
Nigeria	42,343	100.0	15.5	75.8	1.9	-	2.9	0.6	0.1	0.1	0.1
Others	72,178	100.0	6.7	50.6	1.5	2.5	33.4	2.3	-	3.0	-
NORTH AFRICA	112,014	100.0	2.0	84.6	2.2	-	5.7	1.7	-	3.8	-
Algeria	48,208	100.0	1.1	94.2	0.3	-	0.1	-	-	4.3	-
Libyan Arab Jm	16,236	100.0	0.4	85.6	2.3	-	-	8.6	-	3.0	0.1
Morocco	21,479	100.0	5.1	92.6	0.2	-	0.7	-	-	1.3	0.1
Others	26,090	100.0	1.8	59.6	7.5	-	23.9	1.9	-	5.3	-
WEST ASIA	292,029	100.0	10.5	65.6	7.0	0.8	0.4	10.1	-	5.5	0.1
Iran	103,800	100.0	13.3	66.9	12.8	1.4	-	2.4	-	3.2	-
Saudi Arabia	17,668	100.0	10.0	22.7	12.8	0.5	-	52.0	0.1	0.7	1.2
Turkey	64,664	100.0	18.7	64.6	0.4	-	-	0.1	-	16.2	-
Others	105,895	100.0	3.0	72.1	4.2	0.7	1.2	16.6	-	2.1	0.1
SOUTH ASIA	77,551	100.0	12.7	30.8	22.3	0.5	17.8	6.2	0.2	9.6	0.1
India	50,320	100.0	7.1	30.1	26.6	-	26.6	4.0	-	5.5	0.1
Pakistan	15,193	100.0	26.9	20.8	16.0	0.5	2.7	5.8	0.9	26.4	-
Others	12,037	100.0	18.3	46.0	11.9	2.6	-	15.7	-	5.5	-
EAST ASIA (MFG)	207,386	100.0	21.5	14.0	49.6	6.4	1.4	5.8	0.3	0.9	-
Hong Kong	60,411	100.0	19.6	9.5	54.9	7.4	1.7	4.4	0.2	2.3	-
Korea Republic	46,911	100.0	14.0	8.5	73.5	2.7	-	0.2	1.1	-	-
Philippines	22,813	100.0	42.9	9.1	33.4	11.0	1.8	1.6	0.2	-	-
Singapore	34,920	100.0	13.6	20.2	39.4	8.9	2.1	15.1	-	0.6	0.1
Taiwan	42,328	100.0	27.4	23.9	32.9	4.4	1.5	9.2	-	0.6	0.1
EAST ASIA (Agriculture)	85,261	100.0	14.0	24.0	39.4	12.2	0.9	8.6	0.7	0.2	-
Asia	40,472	100.0	8.9	27.8	45.1	10.0	1.5	5.6	0.7	0.4	-
Africa	25,881	100.0	25.7	25.2	27.9	16.3	0.5	3.2	1.0	0.1	0.1
Latin America	18,906	100.0	8.9	14.2	42.9	11.2	-	22.6	-	0.1	0.1
EUROPEAN CPE	375,386	100.0	20.7	40.3	13.6	1.1	6.1	4.9	13.4	-	0.1
North America	373,261	100.0	20.8	40.3	13.3	1.1	6.1	4.9	13.5	-	-
Latin America	2,125	100.0	0.2	29.8	66.3	-	-	3.6	-	-	0.1
WORLD	399,266	100.0	-	0.1	-	49.5	47.5	-	-	2.9	-

700.
 117.
 LATIN AMERICA
 Venezuela
 Mexico
 Brazil
 Others
 11,081,44
 11,061,11
 8,537,233
 1,507,537
 1,203,167
 109,126
 47.
 WORLD
 US dollars

Table E.02.11. Imports of copper and aluminum in 1980
(Per cent, world in constant 1975 thousand US dollars)

Millions of US dollars	P e r c e n t										
	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES	
100.0	100.0	16.6	48.1	3.8	5.2	9.1	1.3	11.8	4.0	0.1	
100.0	100.0	16.4	52.8	2.0	3.7	10.2	0.3	11.3	3.4	0.1	
100.0	100.0	48.1	12.2	12.5	2.0	9.4	0.2	15.3	0.3	-	
100.0	100.0	8.2	67.2	0.3	2.8	9.6	0.1	8.8	3.0	-	
100.0	100.0	12.9	51.3	0.9	1.2	6.9	-	16.3	10.4	0.1	
100.0	100.0	35.1	4.0	-	11.4	17.7	2.3	22.4	7.0	0.1	
100.0	100.0	21.3	35.9	10.9	23.4	-	1.4	0.1	-	7.0	
4,573	100.0	0.7	59.8	4.1	-	-	0.3	-	35.2	0.1	
12,892	100.0	0.3	59.5	0.2	-	-	-	-	40.1	0.1	
109,852	100.0	0.2	28.1	0.3	-	-	-	-	71.5	0.1	
249,827	100.0	1.1	74.0	7.5	-	-	0.5	-	17.0	0.1	
771,613	100.0	34.5	12.8	1.8	1.3	4.4	0.2	45.1	-	0.1	
340,029	100.0	20.0	6.6	0.4	2.8	10.0	0.2	60.1	-	0.1	
141,906	100.0	76.1	8.7	0.5	-	-	-	14.6	-	0.1	
61,789	100.0	64.2	18.3	4.8	-	-	-	12.6	-	0.1	
227,888	100.0	22.1	23.1	3.8	0.3	-	0.2	50.5	0.1	0.1	
AFRICAL AFRICA	145,977	100.0	10.3	70.4	5.1	0.5	9.0	2.2	2.2	0.2	0.1
Ivory Coast	16,878	100.0	0.6	52.0	-	-	47.2	-	0.2	-	-
Nigeria	73,949	100.0	15.1	74.2	8.5	-	0.1	2.0	-	-	0.1
Others	55,149	100.0	6.9	71.0	1.9	1.4	9.4	3.2	5.7	0.4	0.1
NORTH AFRICA	118,697	100.0	6.4	83.1	0.4	-	6.7	1.0	0.3	2.2	0.1
Algeria	53,506	100.0	6.4	76.2	0.1	0.1	14.8	0.1	0.6	1.8	0.1
Libyan Arab Jm	15,368	100.0	2.7	95.0	0.1	-	-	1.7	-	0.5	-
Morocco	20,754	100.0	0.1	95.6	-	-	-	-	-	4.2	0.1
Others	29,068	100.0	12.8	80.5	1.4	-	0.2	3.0	-	2.2	0.1
WEST ASIA	408,367	100.0	7.7	53.3	10.0	4.5	1.6	16.8	2.6	3.2	0.3
Iran	79,263	100.0	-	68.7	22.0	0.1	-	4.5	-	4.8	0.1
Saudi Arabia	99,110	100.0	17.4	34.6	5.7	7.8	6.0	23.2	-	4.5	0.8
Turkey	26,934	100.0	14.2	59.9	-	-	-	-	14.1	11.7	0.1
Others	201,059	100.0	5.0	55.5	8.9	5.3	0.3	20.8	3.2	0.7	0.3
SOUTH ASIA	239,661	100.0	18.7	21.1	5.6	0.8	29.5	15.9	7.4	0.9	0.1
India	190,776	100.0	17.4	16.9	3.4	-	37.1	15.8	9.3	0.1	-
Pakistan	21,385	100.0	43.9	29.1	8.0	0.3	-	11.8	-	6.8	0.1
Others	27,500	100.0	7.8	44.6	19.1	6.6	0.3	19.9	-	1.7	-
EAST ASIA (MFG)	443,508	100.0	25.5	10.5	35.7	11.3	4.4	6.1	2.0	3.6	0.9
Hong Kong	111,982	100.0	17.1	5.0	44.2	12.4	1.6	8.5	-	11.1	0.1
Korea Republic	135,135	100.0	39.2	10.5	32.4	4.5	4.9	1.7	3.5	-	3.3
Philippines	39,052	100.0	17.4	13.6	37.4	27.9	0.2	3.5	0.1	-	0.1
Singapore	83,822	100.0	10.7	18.4	38.8	15.0	3.0	11.4	1.5	1.3	0.1
Thailand	73,515	100.0	34.2	8.0	24.6	8.8	11.5	6.0	3.7	3.3	0.1
SOUTHEAST ASIA	145,724	100.0	15.4	21.6	32.4	16.1	6.4	5.6	0.1	2.5	0.1
Indonesia	64,575	100.0	12.4	15.4	43.9	11.2	9.5	3.7	0.2	4.4	0.1
Malaysia	73,908	100.0	18.3	26.9	25.5	18.0	4.2	6.2	-	0.9	-
Others	7,240	100.0	13.1	22.8	5.6	40.4	-	16.4	-	1.6	0.1
ASIAN CPE	154,563	100.0	24.8	10.4	22.1	9.7	-	1.2	32.0	-	0.2
China	151,739	100.0	25.2	10.1	21.5	9.9	-	0.7	32.6	-	-
Others	2,824	100.0	-	25.9	50.0	0.2	-	23.8	-	-	0.1
NES	226,526	100.0	-	1.4	0.1	97.9	-	0.3	-	0.1	-

Table E.02.111. Imports of copper and aluminum in 1983
(Per cent, world in constant 1975 thousand US dollars)

Importing region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	15,421,064	100.0	13.9	52.1	5.1	5.0	6.5	3.1	10.9	3.5	0.1
DEVELOPED MARKET	12,860,649	100.0	13.3	53.0	2.2	5.2	7.6	2.4	12.5	3.9	0.1
North America	2,468,709	100.0	39.9	19.1	10.1	1.9	5.1	0.8	22.5	0.5	0.1
Europe North	7,953,840	100.0	3.5	73.1	0.2	2.9	8.4	0.2	7.6	4.1	-
Europe South	513,293	100.0	7.2	63.6	0.7	0.5	8.0	-	7.8	11.8	0.4
Japan	1,815,867	100.0	21.7	8.2	-	19.8	7.7	14.9	22.0	5.7	-
Others	108,939	100.0	10.4	45.1	10.4	32.0	-	1.8	0.3	-	-
EUROPEAN CPE	259,963	100.0	0.1	94.9	4.9	-	-	0.1	-	-	-
Czechoslovakia	63,111	100.0	-	99.7	0.3	-	-	-	-	-	-
Poland	18,089	100.0	1.0	93.0	5.9	-	-	-	-	-	0.1
Others	178,762	100.0	-	93.4	6.4	-	-	0.2	-	-	-
LATIN AMERICA	245,182	100.0	47.7	28.0	4.4	-	-	0.2	19.5	0.1	0.1
Brazil	17,755	100.0	26.1	54.3	19.6	-	-	-	0.1	-	0.1
Mexico	57,376	100.0	96.3	2.9	0.5	-	-	-	0.3	-	-
Venezuela	38,199	100.0	45.6	49.5	4.3	-	-	-	0.6	-	-
Others	131,850	100.0	30.2	29.2	4.0	0.1	-	0.4	36.0	0.2	0.1
TROPICAL AFRICA	85,076	100.0	3.1	78.9	6.4	-	4.4	2.3	2.8	-	0.1
Ivory Coast	9,600	100.0	0.3	69.5	0.1	-	29.9	-	-	-	0.2
Nigeria	44,603	100.0	2.4	77.0	15.4	-	0.2	2.2	2.7	-	0.1
Others	30,872	100.0	5.0	84.6	1.0	-	2.6	3.1	3.7	-	-
NORTH AFRICA	171,214	100.0	1.0	95.4	1.0	-	0.1	0.5	0.9	0.3	0.1
Algeria	64,415	100.0	0.2	97.8	1.0	-	0.2	-	-	0.8	-
Libyan Arab Jm	22,027	100.0	1.0	93.1	4.4	-	-	1.5	-	-	-
Morocco	31,473	100.0	-	99.4	0.6	-	-	-	-	-	-
Others	52,894	100.0	2.6	91.1	2.3	-	-	1.0	3.0	-	-
WEST ASIA	630,937	100.0	6.6	72.0	8.5	0.1	0.2	8.0	3.6	1.1	0.1
Iran	185,910	100.0	-	77.3	5.7	-	-	17.0	-	-	-
Saudi Arabia	135,425	100.0	17.7	67.7	8.7	0.1	-	1.9	3.9	-	-
Turkey	106,773	100.0	10.1	66.7	-	-	1.0	0.4	15.9	5.3	0.1
Others	202,828	100.0	3.2	72.9	15.5	0.3	-	7.8	0.2	0.2	0.1
SOUTH ASIA	94,357	100.0	10.2	50.9	20.0	1.0	0.6	9.0	3.8	4.4	0.1
India	46,581	100.0	3.0	74.2	20.9	0.7	-	1.3	-	-	0.1
Pakistan	28,212	100.0	17.6	29.4	21.6	0.8	-	5.3	12.8	12.0	-
Others	19,562	100.0	17.0	26.4	15.5	2.2	2.8	31.9	-	4.2	-
EAST ASIA (MFG)	566,883	100.0	16.0	15.3	39.3	12.3	2.8	9.6	0.2	4.4	0.1
Hong Kong	168,342	100.0	18.7	13.9	32.5	16.5	0.2	4.5	0.1	13.5	0.1
Korea Republic	124,145	100.0	14.7	16.1	65.5	3.3	-	0.3	-	-	0.1
Philippines	38,886	100.0	8.0	23.3	55.5	2.8	-	10.4	-	-	-
Singapore	124,741	100.0	6.8	18.3	31.6	14.8	2.6	25.0	0.6	0.3	-
Thailand	110,768	100.0	26.7	10.1	23.4	16.6	11.3	10.0	0.1	1.7	0.1
SOUTHEAST ASIA	165,071	100.0	8.3	19.6	27.5	8.5	6.0	29.6	-	0.4	0.1
Indonesia	85,580	100.0	9.6	20.9	33.9	12.9	11.5	10.5	0.1	0.8	0.2
Malaysia	72,805	100.0	5.9	18.3	22.1	1.7	-	52.0	-	-	-
Others	6,685	100.0	17.4	17.7	6.1	27.1	-	31.7	-	-	-
ASIAN CPE	336,159	100.0	46.2	13.7	37.5	1.8	-	0.4	0.4	-	-
China	328,728	100.0	47.2	13.6	36.6	1.8	-	0.3	0.4	-	0.1
Others	7,430	100.0	-	19.8	78.8	-	-	1.4	-	-	-
NES	5,568	100.0	-	67.7	29.3	0.9	-	2.0	0.1	-	-

Table E.03.1. Imports of gypsum, plaster & limestone for lime & cement in 1975
(Per cent, world in constant 1975 thousand US dollars)

Importing region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	117,802	100.0	20.3	49.0	5.6	4.7	2.4	4.1	7.0	6.6	0.3
DEVELOPED MARKET	93,966	100.0	22.7	53.1	5.1	4.1	1.0	-	6.0	7.8	0.2
North America	26,461	100.0	77.8	0.8	-	-	-	-	21.4	-	-
Europe North	56,267	100.0	1.0	86.2	-	-	0.2	-	-	12.4	0.2
Europe South	1,050	100.0	7.6	46.5	0.5	-	16.6	-	-	28.8	-
Japan	759	100.0	5.0	6.9	-	-	82.3	5.0	0.1	0.1	0.6
Others	9,427	100.0	0.5	6.6	50.5	40.8	-	-	-	-	1.6
EUROPEAN CPE	346	100.0	2.6	97.4	-	-	-	-	-	-	-
Hungary	13	100.0	-	100.0	-	-	-	-	-	-	-
Poland	145	100.0	6.2	93.8	-	-	-	-	-	-	-
Others	186	100.0	-	100.0	-	-	-	-	-	-	-
LATIN AMERICA	5,407	100.0	37.8	12.2	0.3	-	-	0.9	48.8	-	-
Colombia	177	100.0	6.8	2.3	1.7	-	-	-	88.7	-	0.5
Costa Rica	699	100.0	0.6	15.5	-	-	-	-	83.8	-	0.1
Venezuela	105	100.0	49.5	49.5	-	-	-	-	-	-	1.0
Others	4,425	100.0	44.6	11.1	0.2	-	-	1.2	42.8	-	0.1
TROPICAL AFRICA	5,576	100.0	3.9	63.8	-	0.1	31.3	-	-	0.2	0.7
Ivory Coast	1,157	100.0	-	68.1	-	-	31.9	-	-	-	-
Nigeria	951	100.0	21.0	38.4	-	-	40.6	-	-	-	-
Others	3,466	100.0	0.5	69.3	-	0.2	28.6	-	-	0.3	1.1
NORTH AFRICA	1,176	100.0	5.7	79.5	0.4	-	2.6	6.0	-	5.4	0.4
Algeria	416	100.0	0.5	99.3	-	-	-	-	-	-	0.2
Egypt	78	100.0	-	17.9	-	-	-	-	-	80.8	1.3
Libyan Arab Jm	550	100.0	-	80.2	0.9	-	5.6	12.9	-	-	0.4
Others	130	100.0	49.2	50.0	-	-	-	-	-	-	0.8
WEST ASIA	1,844	100.0	2.2	37.1	-	-	1.0	59.5	-	-	0.2
Kuwait	604	100.0	0.3	0.3	-	-	3.1	95.9	-	-	0.4
Saudi Arabia	84	100.0	27.4	44.0	-	-	-	27.4	-	-	1.2
United Arab Em.	198	100.0	-	13.6	-	-	-	85.9	-	-	0.5
Others	957	100.0	1.6	64.6	-	-	-	33.8	-	-	-
SOUTH ASIA	1,196	100.0	0.1	7.4	-	-	-	92.5	-	-	-
Bangladesh	325	100.0	-	6.2	-	-	-	93.8	-	-	-
Sri Lanka	857	100.0	-	6.5	-	-	-	93.5	-	-	-
Others	13	100.0	7.7	84.6	-	-	-	-	-	-	7.7
EAST ASIA (MFG)	4,195	100.0	1.2	22.7	32.2	22.3	-	13.3	-	8.2	0.1
Hong Kong	924	100.0	1.0	16.8	9.6	38.3	-	1.0	-	33.1	0.2
Korea Republic	202	100.0	5.0	4.0	90.1	-	-	-	-	-	0.9
Philippines	1,254	100.0	1.0	48.1	43.3	-	-	7.6	-	-	-
Singapore	1,719	100.0	0.8	8.9	28.4	33.9	-	25.9	-	1.9	0.2
Thailand	93	100.0	2.2	35.5	50.5	-	-	7.5	-	3.2	1.1
SOUTHEAST ASIA	3,779	100.0	4.7	13.0	12.5	16.6	-	51.2	-	2.0	-
Indonesia	1,430	100.0	4.3	5.2	14.9	33.2	-	38.7	-	3.5	0.2
Malaysia	898	100.0	0.6	11.6	8.8	6.7	-	67.8	-	2.2	0.3
Others	1,450	100.0	7.4	21.6	0	6.2	-	53.2	-	0.3	0.3
ASIAN CPE	2	100.0	-	-	100.0	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Others	2	100.0	-	-	100.0	-	-	-	-	-	-
NES	309	100.0	-	36.2	-	52.8	10.7	-	-	-	0.3

Table E.03.11. Imports of gypsum, plaster & limestone for lime & cement in 1980
(Per cent, world in constant 1975 thousand US dollars)

Importing region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	179,427	100.0	25.3	48.0	4.8	4.5	1.9	4.1	9.4	1.9	0.1
DEVELOPED MARKET	136,364	100.0	31.3	53.6	2.4	1.9	1.1	0.4	8.2	1.0	0.1
North America	55,311	100.0	75.1	4.8	0.1	-	-	-	19.9	-	0.1
Europe North	70,579	100.0	0.9	96.8	0.1	-	0.1	-	0.3	1.8	-
Europe South	1,467	100.0	5.0	81.6	-	-	6.7	0.5	-	6.0	0.2
Japan	1,964	100.0	16.9	4.3	-	-	69.6	8.7	-	0.4	0.1
Others	7,041	100.0	1.0	11.6	45.4	36.6	-	5.2	-	-	0.2
EUROPEAN CPE	1,235	100.0	2.4	97.5	-	-	-	-	-	-	0.1
Hungary	576	100.0	-	100.0	-	-	-	-	-	-	-
Poland	505	100.0	5.9	93.9	-	-	-	-	-	-	0.2
Others	152	100.0	-	100.0	-	-	-	-	-	-	-
LATIN AMERICA	8,330	100.0	18.9	11.8	0.8	-	1.1	-	67.4	-	-
Colombia	929	100.0	8.2	0.2	5.5	-	-	-	85.9	-	0.2
Costa Rica	950	100.0	4.9	3.4	-	-	-	-	91.6	-	0.1
Venezuela	1,435	100.0	9.9	13.9	-	-	-	-	76.1	-	0.1
Others	5,014	100.0	26.1	14.9	0.3	-	1.9	-	56.8	-	-
TROPICAL AFRICA	6,861	100.0	0.2	78.6	-	-	18.9	2.1	-	0.1	0.1
Ivory Coast	644	100.0	-	86.8	-	-	13.0	-	-	-	0.2
Nigeria	1,450	100.0	0.1	52.1	-	-	47.7	-	-	-	0.1
Others	4,766	100.0	0.2	85.6	-	-	10.9	3.0	-	0.1	0.2
NORTH AFRICA	984	100.0	2.2	65.9	19.8	-	6.8	4.7	-	0.5	0.1
Algeria	216	100.0	-	70.4	29.2	-	-	-	-	-	0.4
Egypt	167	100.0	3.6	87.4	-	-	-	8.4	-	-	0.6
Libyan Arab Jm	314	100.0	2.5	53.2	41.7	-	-	-	-	1.6	1.0
Others	286	100.0	1.7	63.6	-	-	23.4	10.8	-	-	0.5
WEST ASIA	7,738	100.0	10.8	41.8	1.0	1.1	1.1	43.9	-	-	0.3
Kuwait	2,010	100.0	0.6	6.9	-	-	4.1	88.3	-	-	0.1
Saudi Arabia	3,724	100.0	20.4	59.5	0.6	-	-	18.9	-	-	0.6
United Arab Em.	565	100.0	1.2	8.0	7.3	-	-	83.5	-	-	-
Others	1,438	100.0	3.8	58.2	0.9	5.7	-	31.4	-	-	-
SOUTH ASIA	510	100.0	0.4	14.7	3.1	-	-	81.4	-	-	0.4
Bangladesh	35	100.0	-	42.9	2.9	-	-	51.4	-	-	2.8
Sri Lanka	444	100.0	0.2	11.9	2.0	-	-	85.6	-	-	0.3
Others	29	100.0	3.4	20.7	20.7	-	-	51.7	-	-	3.5
EAST ASIA (MFG)	7,702	100.0	1.7	12.8	31.6	13.9	5.4	9.6	-	25.0	-
Hong Kong	2,970	100.0	0.5	9.3	23.2	-	-	4.8	-	62.2	-
Korea Republic	517	100.0	3.1	0.4	16.1	-	80.1	-	-	-	0.3
Philippines	1,917	100.0	1.3	27.7	39.5	23.4	-	7.3	-	0.6	0.2
Singapore	2,088	100.0	0.1	6.4	39.6	29.5	-	21.5	-	2.8	0.1
Thailand	178	100.0	38.2	19.1	36.0	-	-	1.1	-	5.1	0.5
SOUTHEAST ASIA	9,233	100.0	0.2	4.4	27.5	43.6	-	22.8	-	1.4	0.1
Indonesia	6,872	100.0	0.1	1.3	33.4	54.3	-	9.6	-	1.2	0.1
Malaysia	1,907	100.0	0.3	7.8	12.8	3.8	-	72.8	-	2.4	0.1
Others	453	100.0	1.8	36.0	-	49.4	-	12.1	-	0.2	0.5
ASIAN CPE	7	100.0	71.4	-	-	-	-	28.6	-	-	-
China	5	100.0	100.0	-	-	-	-	-	-	-	-
Others	2	100.0	-	-	-	-	-	100.0	-	-	-
NES	458	100.0	-	37.3	-	62.4	-	-	-	-	0.3

Table E.03.111. Imports of gypsum, plaster & limestone for lime & cement in 1983
(Per cent, world in constant 1975 thousand US dollars)

Importing region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	220,905	100.0	36.2	37.8	5.1	4.9	0.6	4.1	9.0	2.4	0.1
DEVELOPED MARKET	175,591	100.0	43.0	40.0	2.0	2.0	0.4	-	10.3	2.3	-
North America	103,081	100.0	71.6	10.8	-	-	-	-	15.6	2.0	-
Europe North	60,124	100.0	1.6	94.5	-	-	0.5	0.1	-	3.2	0.1
Europe South	1,374	100.0	15.6	82.4	-	-	2.0	-	-	-	-
Japan	4,385	100.0	4.9	3.5	-	37.8	7.9	0.4	45.4	0.1	-
Others	6,625	100.0	4.9	14.5	53.0	27.6	-	-	-	-	-
EUROPEAN CPE	678	100.0	4.9	95.0	-	-	-	-	-	-	0.1
Hungary	126	100.0	-	100.0	-	-	-	-	-	-	-
Poland	402	100.0	8.2	91.5	-	-	-	-	-	-	0.3
Others	149	100.0	-	100.0	-	-	-	-	-	-	-
LATIN AMERICA	4,954	100.0	43.4	20.1	0.4	-	-	-	36.0	-	0.1
Colombia	763	100.0	3.8	0.5	1.6	-	-	-	94.0	-	0.1
Costa Rica	15	100.0	86.7	13.3	-	-	-	-	-	-	-
Venezuela	925	100.0	63.7	33.4	-	-	-	-	2.7	-	0.2
Others	3,249	100.0	46.7	21.0	0.2	-	-	-	32.1	-	-
TROPICAL AFRICA	4,528	100.0	0.8	82.7	-	-	13.8	2.7	-	-	-
Ivory Coast	881	100.0	-	29.5	-	-	70.5	-	-	-	-
Nigeria	1,294	100.0	2.2	97.8	-	-	-	-	-	-	-
Others	2,352	100.0	0.3	94.4	-	-	-	5.1	-	-	0.2
NORTH AFRICA	528	100.0	3.0	88.1	-	-	-	8.7	-	-	0.2
Algeria	118	100.0	-	100.0	-	-	-	-	-	-	-
Egypt	134	100.0	9.7	72.4	-	-	-	17.2	-	-	0.7
Libyan Arab Jm	74	100.0	2.7	64.9	-	-	-	31.1	-	-	1.3
Others	200	100.0	-	100.0	-	-	-	-	-	-	-
WEST ASIA	7,303	100.0	21.7	72.2	0.5	-	-	5.5	-	-	0.1
Kuwait	450	100.0	0.9	97.1	1.8	-	-	-	-	-	0.2
Saudi Arabia	5,265	100.0	27.4	68.7	0.6	-	-	3.3	-	-	-
United Arab Em.	662	100.0	2.0	91.5	-	-	-	6.3	-	-	0.2
Others	925	100.0	13.5	65.8	-	-	-	20.3	-	-	0.4
SOUTH ASIA	286	100.0	10.5	59.8	10.8	-	-	17.1	-	1.0	0.8
Bangladesh	127	100.0	-	50.4	15.7	-	-	30.7	-	2.4	0.8
Sri Lanka	73	100.0	-	75.3	12.3	-	-	11.0	-	-	1.4
Others	84	100.0	35.7	60.7	-	-	-	1.2	-	-	2.4
EAST ASIA (MFG)	13,659	100.0	3.1	5.8	48.1	17.8	-	16.7	-	8.5	-
Hong Kong	6,899	100.0	0.5	3.5	72.9	-	-	7.3	-	15.8	-
Korea Republic	969	100.0	29.4	0.7	69.8	-	-	-	-	-	0.1
Philippines	1,068	100.0	3.4	30.6	14.9	-	-	51.0	-	-	0.1
Singapore	4,530	100.0	0.4	4.1	13.6	53.6	-	27.1	-	1.1	0.1
Thailand	192	100.0	26.6	16.7	46.9	-	-	0.5	-	8.3	1.0
SOUTHEAST ASIA	13,197	100.0	0.4	9.2	7.4	36.8	-	45.6	-	0.5	0.1
Indonesia	9,989	100.0	0.3	7.3	8.6	48.3	-	34.8	-	0.7	-
Malaysia	2,826	100.0	-	8.1	4.0	-	-	87.9	-	-	-
Others	381	100.0	5.0	68.5	0.5	10.5	-	15.2	-	-	0.3
ASIAN CPE	94	100.0	8.5	-	8.5	-	-	83.0	-	-	-
China	83	100.0	9.6	-	2.4	-	-	88.0	-	-	-
Others	10	100.0	-	-	50.0	-	-	50.0	-	-	-
NES	80	100.0	-	91.2	-	7.5	-	-	-	-	1.3

Table E.04.1. Imports of logs in 1975
(Per cent, world in constant 1975 thousand US dollars)

Importing region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CFEs	NES
WORLD	3,913,124	100.0	27.5	5.6	0.1	0.7	15.7	37.5	0.5	12.1	0.3
DEVELOPED MARKET	3,413,760	100.0	30.4	5.6	0.1	0.8	16.4	32.6	0.3	13.7	0.1
North America	53,293	100.0	97.1	0.3	-	-	1.1	0.8	0.6	-	0.1
Europe North	727,149	100.0	5.6	23.8	0.2	-	53.3	7.6	0.7	8.8	-
Europe South	194,321	100.0	1.8	9.4	-	0.5	83.7	2.3	0.8	1.5	-
Japan	2,429,158	100.0	38.8	-	-	1.1	0.3	43.3	0.1	16.4	-
Others	9,837	100.0	0.5	0.9	-	0.7	27.0	18.8	0.2	-	51.9
EUROPEAN CPE	27,979	100.0	2.3	7.1	-	-	90.5	0.1	-	-	-
Hungary	685	100.0	-	77.8	-	-	22.0	-	-	-	0.2
USSR	16,842	100.0	-	0.2	-	-	99.6	0.2	-	-	-
Others	10,451	100.0	6.1	13.5	-	-	80.4	-	-	-	-
LATIN AMERICA	20,541	100.0	25.0	5.3	0.3	0.3	14.7	0.2	54.2	-	-
Brazil	3,640	100.0	51.5	0.9	1.9	-	-	0.7	44.9	-	0.1
Dominican Rep.	5,548	100.0	4.1	-	-	-	-	-	95.9	-	-
Venezuela	3,265	100.0	3.2	8.1	-	-	-	-	86.7	-	-
Others	8,087	100.0	36.1	9.7	-	0.8	37.3	0.2	15.8	-	0.1
TROPICAL AFRICA	2,752	100.0	3.9	11.2	-	1.0	77.0	6.7	-	0.2	-
Ivory Coast	2	100.0	-	-	-	-	100.0	-	-	-	-
Senegal	2,060	100.0	-	10.8	-	-	88.9	-	-	0.3	-
Others	690	100.0	15.4	12.3	-	3.9	41.2	26.8	-	-	0.4
NORTH AFRICA	28,514	100.0	1.0	38.0	0.1	-	59.7	0.9	-	0.2	0.1
Algeria	4,943	100.0	0.1	34.8	0.5	-	64.6	-	-	-	-
Egypt	8,342	100.0	0.2	78.0	-	-	21.4	0.4	-	-	-
Morocco	14,054	100.0	-	15.6	-	-	83.9	0.1	-	0.4	-
Others	1,173	100.0	23.5	36.3	-	-	21.1	18.8	-	-	0.3
WEST ASIA	50,686	100.0	2.4	24.4	0.3	0.7	8.4	52.4	-	9.7	1.7
Iran	12,253	100.0	4.3	32.4	0.8	3.0	9.0	13.6	0.1	36.8	-
Iraq	5,537	100.0	0.6	0.5	0.7	-	-	98.3	-	-	0.1
Saudi Arabia	16,484	100.0	0.5	7.8	-	-	-	84.2	-	2.4	5.1
Others	16,410	100.0	3.5	43.3	-	-	19.1	33.9	-	0.1	0.1
SOUTH ASIA	4,839	100.0	0.1	2.2	0.3	-	-	97.0	-	0.2	0.2
India	989	100.0	-	5.5	1.6	-	-	92.8	-	-	0.1
Pakistan	3,412	100.0	0.1	1.6	-	-	-	97.9	-	0.4	-
Others	436	100.0	-	-	-	-	-	100.0	-	-	-
EAST ASIA (MFG)	355,075	100.0	8.7	-	0.7	0.1	-	83.9	-	0.4	0.2
Hong Kong	18,052	100.0	0.2	0.2	0.2	2.0	0.1	97.1	-	0.2	-
Korea Republic	266,761	100.0	11.5	-	0.9	-	-	37.3	-	-	0.3
Philippines	18	100.0	77.8	-	16.7	-	-	-	-	-	5.5
Singapore	68,635	100.0	-	-	-	-	0.2	19.7	-	-	0.1
Thailand	1,607	100.0	-	-	-	-	-	14.0	-	85.9	0.1
SOUTHEAST ASIA	3,928	100.0	17.5	0.6	0.2	12.4	-	69.1	-	0.1	0.1
Macau	1,021	100.0	-	-	-	-	-	99.7	-	0.2	0.1
Malaysia	1,256	100.0	-	0.2	-	-	-	99.7	-	-	0.1
Others	1,650	100.0	41.6	1.3	0.5	29.6	-	26.8	-	-	0.2
ASIAN CPE	2,341	100.0	-	-	-	19.3	36.1	44.5	-	-	0.1
China	2,188	100.0	-	-	-	20.7	38.7	40.5	-	-	0.1
Others	153	100.0	-	-	-	-	-	100.0	-	-	-
NES	2,702	100.0	-	0.8	-	6.6	92.5	0.1	-	-	-

Table E.04.11. Imports of logs in 1980
(Per cent, world in constant 1975 thousand US dollars)

Importing region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	5,616,341	100.0	24.6	7.2	0.1	1.1	13.4	43.3	1.5	8.6	0.2
DEVELOPED MARKET	4,669,081	100.0	27.1	7.6	-	1.1	15.7	37.4	0.7	10.2	0.2
North America	46,462	100.0	96.9	0.7	-	-	1.4	0.4	0.5	-	0.1
Europe North	1,090,601	100.0	7.7	29.9	0.2	-	49.0	4.2	0.5	8.5	-
Europe South	219,349	100.0	1.6	11.9	-	0.5	79.7	2.5	2.1	1.6	0.1
Japan	3,303,813	100.0	34.3	-	-	1.5	0.6	51.3	0.7	11.5	0.1
Others	8,854	100.0	0.8	1.3	-	1.1	6.3	4.1	0.1	-	86.3
EUROPEAN CPE	16,625	100.0	0.6	61.8	-	-	37.1	0.5	-	-	-
Hungary	6,292	100.0	-	100.0	-	-	-	-	-	-	-
USSR	6,312	100.0	-	15.0	-	-	83.6	1.3	-	-	0.1
Others	4,019	100.0	2.3	75.5	-	-	22.1	-	-	-	0.1
LATIN AMERICA	28,426	100.0	36.2	1.6	-	-	8.5	0.3	53.5	-	0.1
Brazil	3,924	100.0	83.2	1.2	-	-	-	-	15.6	-	-
Dominican Rep.	5,786	100.0	40.6	-	-	-	-	-	59.4	-	-
Venezuela	9,641	100.0	10.3	0.8	-	-	-	-	88.9	-	-
Others	9,074	100.0	40.4	3.8	-	-	26.5	0.9	28.4	-	-
TROPICAL AFRICA	3,723	100.0	-	5.1	-	3.0	74.2	16.3	-	-	1.4
Ivory Coast	431	100.0	-	-	-	-	100.0	-	-	-	-
Senegal	2,274	100.0	-	0.5	-	-	99.4	-	-	-	0.1
Others	1,017	100.0	-	17.5	-	10.9	6.9	59.7	-	-	5.0
NORTH AFRICA	39,004	100.0	1.0	81.3	-	-	15.7	1.2	-	-	0.8
Algeria	15,028	100.0	-	61.0	-	-	35.9	3.0	-	-	0.1
Egypt	22,671	100.0	1.6	96.0	-	-	1.0	-	-	-	1.4
Morocco	525	100.0	-	85.1	-	-	14.7	-	-	-	0.2
Others	778	100.0	3.1	39.7	-	-	54.4	2.7	-	-	0.1
WEST ASIA	28,237	100.0	11.1	25.5	0.2	0.1	7.1	24.9	6.9	23.8	0.4
Iran	268	100.0	14.2	82.8	-	-	-	2.2	-	-	0.8
Iraq	1,165	100.0	-	77.5	4.5	-	-	17.9	-	-	0.1
Saudi Arabia	22,689	100.0	12.7	22.1	0.1	0.1	0.4	26.9	8.1	29.1	0.5
Others	4,114	100.0	5.6	25.4	-	-	46.5	17.5	2.3	2.7	-
SOUTH ASIA	4,952	100.0	20.5	1.0	0.1	-	-	78.4	-	-	-
India	985	100.0	0.1	1.7	0.2	-	-	97.8	-	-	0.2
Pakistan	2,759	100.0	0.4	1.1	-	-	-	98.4	-	-	0.1
Others	1,207	100.0	83.0	-	-	-	-	16.8	-	-	0.2
EAST ASIA (MFG)	756,647	100.0	10.0	-	0.4	1.2	0.1	84.5	3.4	0.3	0.1
Hong Kong	40,869	100.0	0.4	0.1	0.1	0.3	-	93.6	0.2	5.2	0.1
Korea Republic	641,850	100.0	11.7	-	0.5	1.4	0.1	82.3	4.0	-	-
Philippines	186	100.0	-	-	-	100.0	-	-	-	-	-
Singapore	68,609	100.0	0.6	-	-	-	-	99.3	-	-	0.1
Thailand	5,132	100.0	0.2	-	-	-	-	99.6	-	0.1	0.1
SOUTHEAST ASIA	2,998	100.0	2.2	3.4	0.4	6.9	1.1	84.8	0.2	0.7	0.3
Macau	1,124	100.0	-	-	-	-	-	98.0	-	2.0	-
Malaysia	1,472	100.0	-	1.0	-	-	2.3	96.6	-	-	0.1
Others	401	100.0	16.7	21.4	3.2	51.6	-	4.2	1.2	-	1.7
ASIAN CPE	65,050	100.0	41.5	-	0.1	2.0	-	47.5	8.9	-	-
China	64,994	100.0	41.5	-	-	2.0	-	47.6	8.9	-	-
Others	55	100.0	14.5	-	85.5	-	-	-	-	-	-
NES	1,593	100.0	-	1.9	-	96.7	1.1	0.2	-	-	0.1

Table E.04.111. Imports of logs in 1985
(Per cent, world in constant 1975 thousand US dollars)

Importing region or country	US dollars		P e r c e n t								
	World	World	North America	West Europe	Japan	Others	Africa	Asia	Latin America	CPEs	NES
WORLD	3,806,998	100.0	33.0	8.2	0.2	0.6	12.5	35.0	0.5	10.0	-
DEVELOPED MARKET	3,313,854	100.0	28.5	7.9	0.1	0.6	13.7	37.3	0.6	11.4	0.1
North America	81,851	100.0	99.0	0.2	-	0.1	0.2	0.3	0.3	-	0.1
Europe North	747,157	100.0	8.2	31.5	0.4	-	44.3	3.3	0.7	11.6	-
Europe South	141,627	100.0	1.1	16.6	-	0.2	76.9	2.1	0.7	2.4	-
Japan	2,342,633	100.0	34.1	-	-	0.8	0.6	51.6	0.5	12.3	0.1
Others	585	100.0	10.3	18.8	-	23.1	44.3	3.2	-	-	0.3
EUROPEAN CPE	7,534	100.0	-	38.4	-	-	61.6	-	-	-	-
Hungary	810	100.0	-	87.3	-	-	12.7	-	-	-	-
USSR	3,937	100.0	-	-	-	-	100.0	-	-	-	-
Others	2,786	100.0	-	78.4	-	-	21.6	-	-	-	-
LATIN AMERICA	7,503	100.0	69.7	2.1	-	-	0.8	-	27.4	-	-
Brazil	4,190	100.0	100.0	-	-	-	-	-	-	-	-
Dominican Rep.	158	100.0	100.0	-	-	-	-	-	-	-	-
Venezuela	1	100.0	-	100.0	-	-	-	-	-	-	-
Others	3,153	100.0	27.9	4.9	-	-	1.9	-	65.2	-	0.1
TROPICAL AFRICA	1,159	100.0	6.0	20.8	-	-	72.3	0.6	-	-	0.3
Ivory Coast	172	100.0	-	97.1	-	-	2.3	-	-	-	0.6
Senegal	764	100.0	-	-	-	-	100.0	-	-	-	-
Others	222	100.0	31.5	33.3	-	-	31.1	3.2	-	-	0.9
NORTH AFRICA	62,368	100.0	3.1	72.2	-	-	19.3	5.4	-	-	-
Algeria	31,361	100.0	3.1	61.4	-	-	25.1	10.4	-	-	-
Egypt	26,514	100.0	3.6	94.7	-	-	1.7	-	-	-	-
Morocco	3,599	100.0	0.2	6.2	-	-	93.6	-	-	-	-
Others	893	100.0	0.9	53.1	0.7	-	35.9	9.1	-	-	0.3
WEST ASIA	6,846	100.0	7.0	17.4	0.2	0.4	6.6	67.8	0.1	0.6	0.1
Iran	1,294	100.0	-	2.0	0.3	-	-	97.6	-	-	0.1
Iraq	2,012	100.0	-	6.2	-	-	-	93.7	-	-	0.1
Saudi Arabia	1,030	100.0	44.7	42.4	0.8	-	-	11.5	0.4	-	0.2
Others	2,509	100.0	0.7	24.0	-	1.2	17.9	54.6	-	1.6	-
SOUTH ASIA	1,826	100.0	1.0	4.3	-	-	-	94.6	-	-	0.1
India	24	100.0	-	100.0	-	-	-	-	-	-	-
Pakistan	1,783	100.0	1.1	2.0	-	-	-	96.9	-	-	-
Others	19	100.0	-	100.0	-	-	-	-	-	-	-
EAST ASIA (MFG)	185,261	100.0	46.5	0.1	2.6	2.0	0.8	47.7	-	0.4	0.1
Hong Kong	35,545	100.0	-	0.1	0.6	0.4	-	96.8	-	1.9	0.2
Korea Republic	113,469	100.0	75.3	-	4.0	3.1	1.3	16.2	-	-	0.1
Philippines	7	100.0	28.6	71.4	-	-	-	-	-	-	-
Singapore	31,268	100.0	1.9	0.2	-	0.2	-	97.6	-	0.2	0.1
Thailand	4,969	100.0	-	-	-	-	-	100.0	-	-	-
SOUTHEAST ASIA	456	100.0	1.5	0.7	2.0	22.1	71.5	1.3	-	-	0.9
Macau	-	-	-	-	-	-	-	-	-	-	-
Malaysia	336	100.0	-	-	0.6	-	97.0	1.8	-	-	0.6
Others	119	100.0	5.9	2.5	5.0	84.9	-	-	-	-	1.7
ASIAN CPE	220,180	100.0	99.2	-	0.1	-	0.6	-	-	-	0.1
China	219,990	100.0	99.3	-	0.1	-	0.5	-	-	-	0.1
Others	190	100.0	-	-	-	-	100.0	-	-	-	-
NES	6	100.0	-	16.7	-	-	16.7	50.0	-	-	16.6

Section F

Consumption of building materials by product group
and region, 1975, 1980 and estimated 1985
(millions of constant 1975 US dollars)

The tables in this section provide estimates for the UNITAD regions of consumption by the construction sector of six categories of building materials (see Introduction for their definitions). The computations were derived, in part, from input-output (I/O) tables.

In particular, it is assumed that the consumption of building material k in region r by the construction sector can be determined by

$$(1) \quad C_{k,r}^{\text{Con}} = a_{k \text{ Con},r} * Q_{\text{Con},r} \quad \text{where}$$

$$Q_{\text{Con},r} = \text{construction sector gross output in region } r$$

$$a_{k \text{ Con},r} = C_{k,r}^{\text{Con}} / Q_{\text{Con},r} \quad \text{i.e.}$$

= the I/O coefficient giving the number of dollars of k required to produce one dollar of gross output in the construction sector in region r .

Since the level of disaggregation necessary to provide category k -level consumption by the construction industry was not available from UNIDO's regional I/O tables, country tables had to be used. However, these exist at present only for a small number of countries. Therefore, the assumption was made that certain country tables could be taken to represent an entire region. Chart F.1 shows which country's table was chosen to represent the I/O structure of each region. However, since the country tables' rows did not always correspond exactly to the six building material categories, a certain amount of re-allocation had to be done by UNIDO (see subsection computing $a_{k \text{ Con},r}$ below).

Chart F.1: Country I/O tables selected to represent UNITAD regions

Region	Country	Date of table
North America	United States	1972
Western Europe (North)	Germany, Fed. Rep.	1975
Western Europe (South)	Greece	1970
Japan	Japan	1975
Other Developed	Australia	1974-75
Latin America	Brazil	1970
Tropical Africa	Ivory Coast	1976
North Africa	Egypt	1973
West Asia	Egypt	1973
South Asia	India	1979
East Asia (Mfg)	Korea, Rep. of	1975
Southeast Asia	Indonesia	1975
European CPE	Hungary	1979
Asian CPE	India	1979

Computing $Q_{Con,r}$

The value of gross output in construction for region r is determined using regional value added and the share of value added in gross output, $v_{Con,r}$, from table C.01, i.e.

$$(2) \quad Q_{Con,r} = Y_{Con,r} / v_{Con,r}$$

where

$Y_{Con,r}$ = region r construction sector value added (in constant 1975 United States dollars, arrived at by deflating current construction sector value added by the regional implicit GDP price deflator from UNIDO's data base).

The data for $Y_{Con,r}$ were obtained either from UNIDO's data base, from the UNSO Yearbook of National Accounts, or from the UN Yearbook of Construction Statistics. (For the People's Republic of China, the last source mentioned was also used for $Q_{Con,r}$.)

Predictions of $Q_{Con,r}$ for 1985 were based on forecasted values for $Y_{Con,r}$ which in turn were derived using regional growth rates for construction sector real GDP from the UNITAD model's Reference Scenario. These rates are given below in chart F.2.

Chart F.2: UNITAD annual growth rates for construction sector real GDP (per cent), 1980, ..., 1990

Region	Real growth rates
North America	4.82
Western Europe (North)	2.87
Western Europe (South)	2.87
Japan	3.40
Other Developed	2.45
Latin America	4.06
Tropical Africa	3.02
North Africa	3.82
West Asia	3.82
South Asia	5.25
E. Asia (Mfg)	7.87
Southeast Asia	5.87
European CPE	4.19
Asian CPE	3.90

Computing a_k Con,r

In order to compute each I/O coefficient for each region for each category k , it was necessary to identify which I/O sectors comprise each of the 6 building material categories ($k=1, \dots, 6$). Due to variations in table

formats, this aggregation procedure varied. In the case where a category comprised more than one I/O sector (i.e. more than one row) their coefficients were added together. In the case where the construction sector itself spanned more than one I/O sector (e.g. a column for residential construction, a column for public works, etc.), coefficients were combined in a weighted average with weights equal to each column's share of total construction sector gross output. When a particular row contained more than just building materials, the coefficients had to be adjusted correspondingly downwards. Other coefficients were heuristically adjusted when the initial results indicated that there were regional differences that were not properly reflected in the chosen country table. For example, although South Asia and CPE Asia were originally represented by India's I/O table, the final coefficient estimates differ for some of the building materials categories. The final coefficient estimates are presented in table C.02.

In the case where consumption from imports was reported as a single entry for all sectors (i.e. all imports reported in one I/O table row), its coefficient was distributed among the coefficients in the construction column according to each sector's input share of domestic consumption by the construction sector.

Finally, the consumption figures needed to be adjusted to account for the fact that $Y_{Con,r}$ and, hence, $C_{k,r}^{Con}$ for some regions did not always cover all countries in the region. The adjustment factor, f_r , was computed as the average of the associated import and export coverage ratios, i.e.,

$$(3) \quad f_r = \frac{1}{2} \left(\frac{\sum_i^{N_r} X_i}{Y_r} + \frac{\sum_i^{N_r} M_i}{Y_r} \right)$$

where the summation over N_r are over all countries in the region and the summation over Y_r are over only those countries for which $Y_{Con,r}$ was available.

Table F.01 Consumption of building materials, 1975, 1980 and estimated 1985
(Constant 1975 million US dollars)

Region	Non-metallic mineral products			Primary metal products			Finished metal products		
	1975	1980	1985	1975	1980	1985	1975	1980	1985
TOTAL	83,640	100,097	121,079	43,670	52,843	64,048	73,337	84,239	101,593
DEVELOPED MARKET ECONOMIES	49,427	54,585	64,681	25,759	28,601	33,897	52,756	58,633	70,049
North America	11,748	13,577	17,180	5,919	6,841	8,657	17,043	19,697	24,924
Europe North	20,397	22,390	25,792	12,223	13,418	15,457	20,783	22,814	26,281
Europe South	5,263	5,709	6,576	1,220	1,324	1,525	3,117	3,381	3,895
Japan	9,401	10,584	12,509	5,620	6,328	7,479	9,468	10,659	12,599
Others	2,618	2,325	2,624	777	690	779	2,345	2,082	2,350
DEVELOPING COUNTRIES	15,260	22,642	28,386	7,822	11,872	15,007	5,820	8,674	10,769
Latin America	5,079	7,336	8,952	2,174	3,140	3,831	2,136	3,085	3,765
North Africa	1,462	1,653	1,918	642	726	842	489	553	641
Tropical Africa	1,696	2,403	2,898	878	1,244	1,501	687	973	1,173
West Asia	2,777	4,614	5,565	1,639	2,724	3,285	1,282	2,129	2,568
South Asia	2,427	3,030	3,914	1,212	1,514	1,955	548	684	884
East Asia (Mfg)	1,225	2,630	3,841	848	1,820	2,657	269	578	844
Southeast Asia	594	976	1,298	429	704	936	409	672	894
CENTRALLY PLANNED ECONOMIES	18,953	22,870	28,012	10,089	12,370	15,144	14,761	16,932	20,775
European	16,751	18,866	23,163	8,635	9,725	11,941	14,317	16,124	19,797
Asian	2,202	4,004	4,849	1,454	2,645	3,203	444	808	978

Table F.01 Continued

Region	Wood products			Chemical products			Minimally processed mineral prod.		
	1975	1980	1985	1975	1980	1985	1975	1980	1985
TOTAL	47,707	55,523	67,099	14,179	16,602	19,885	16,346	19,529	23,391
DEVELOPED MARKET ECONOMIES	35,753	39,678	47,285	10,451	11,505	13,572	10,839	11,982	14,071
North America	10,697	12,363	15,643	2,268	2,621	3,316	1,543	1,783	2,256
Europe North	15,566	17,087	19,684	5,966	6,549	7,545	5,448	5,980	6,889
Europe South	644	1,783	2,054	736	798	919	1,491	1,618	1,863
Japan	215	6,997	8,270	934	1,051	1,243	2,139	2,408	2,846
Others	1,631	1,448	1,634	547	486	549	217	193	217
DEVELOPING COUNTRIES	6,151	8,968	11,386	2,353	3,466	4,314	3,088	4,576	5,683
Latin America	1,920	2,774	3,584	1,158	1,672	2,040	373	539	658
North Africa	921	1,041	1,208	324	366	424	404	457	530
Tropical Africa	192	271	327	114	162	196	500	708	854
West Asia	572	950	1,146	320	532	642	933	1,550	1,869
South Asia	1,348	1,683	2,174	155	193	250	480	600	774
East Asia (Mfg)	557	1,196	1,747	153	329	480	136	292	426
Southeast Asia	641	1,053	1,400	129	212	282	262	430	572
CENTRALLY PLANNED ECONOMIES	5,803	6,877	8,428	1,375	1,631	1,999	2,420	2,971	3,637
European	5,312	5,983	7,346	1,256	1,415	1,737	2,064	2,324	2,854
Asian	491	894	1,082	119	216	252	356	647	783

Source: UNIDO secretariat computations.

Table F.02 Share of imports in the consumption of building materials, 1975, 1980 and estimated 1985
(Per cent)

Region	Non-metallic mineral products			Primary metal products			Finished metal products		
	1975	1980	1985	1975	1980	1985	1975	1980	1985
TOTAL	4.03	5.69	5.77	21.33	20.77	21.64	7.97	9.36	9.08
DEVELOPED MARKET ECONOMIES	3.47	5.06	4.70	17.80	22.52	23.90	7.48	8.89	8.48
North America	2.10	3.02	3.35	19.26	22.61	30.40	3.71	4.44	4.66
Europe North	6.02	9.03	8.06	23.62	32.64	30.95	13.30	16.48	15.27
Europe South	2.03	2.55	1.97	25.73	21.82	22.75	6.56	7.86	8.31
Japan	0.25	0.53	0.59	0.76	0.86	0.69	1.06	1.16	1.11
Others	4.16	5.50	7.05	25.99	24.63	36.97	7.71	9.17	12.76
DEVELOPING COUNTRIES	9.75	12.03	13.05	37.33	25.60	26.25	25.15	26.43	25.96
Latin America	4.35	5.39	6.32	20.51	14.96	15.89	11.89	9.95	9.85
North Africa	18.12	15.48	22.31	46.72	34.98	37.52	49.89	53.16	41.02
Tropical Africa	14.97	10.65	14.32	39.74	30.62	29.44	37.70	35.25	34.10
West Asia	14.29	25.20	25.46	73.58	38.76	43.89	31.43	42.32	46.49
South Asia	1.44	4.78	6.05	7.83	9.70	9.76	4.01	4.82	5.54
East Asia (Mfg)	13.63	13.19	11.45	29.00	21.70	21.33	46.09	32.87	31.27
Southeast Asia	25.25	16.59	15.63	64.80	47.86	39.85	38.63	33.48	28.52
CENTRALLY PLANNED ECONOMIES	0.90	0.90	0.87	17.94	12.11	12.03	2.96	2.25	2.36
European	0.99	1.00	0.92	17.95	12.44	12.88	2.85	2.09	2.32
Asian	0.27	0.44	0.63	17.88	10.92	8.83	6.53	5.44	3.06

Table F.02 Continued

Region	Wood products			Chemical products			Minimally processed mineral prod.		
	1975	1980	1985	1975	1980	1985	1975	1980	1985
TOTAL	7.08	9.78	9.86	29.11	40.35	43.85	1.60	1.76	1.69
DEVELOPED MARKET ECONOMIES	7.79	10.99	11.63	27.52	41.86	45.23	1.73	2.16	2.01
North America	6.11	7.06	12.59	12.03	14.34	18.36	0.77	1.28	1.15
Europe North	10.96	16.41	14.40	37.29	58.84	61.10	2.60	2.99	2.81
Europe South	7.60	7.85	6.76	31.52	40.85	50.16	0.80	0.92	0.96
Japan	3.28	6.14	5.04	5.88	10.37	13.91	0.98	1.70	1.47
Others	6.00	7.87	8.44	16.81	31.27	38.25	0.46	1.03	1.38
DEVELOPING COUNTRIES	8.81	11.12	9.16	43.81	46.30	53.10	2.33	1.81	1.95
Latin America	6.25	6.59	5.31	32.03	27.63	31.76	3.21	2.41	2.58
North Africa	3.90	4.80	4.47	47.53	59.83	71.69	4.95	0.87	3.20
Tropical Africa	61.45	64.20	51.68	81.57	88.88	89.79	2.60	1.83	1.52
West Asia	23.42	34.73	27.13	60.00	66.54	73.98	1.50	2.25	1.97
South Asia	0.59	0.71	0.59	12.25	29.01	43.60	0.20	0.50	0.38
East Asia (Mfg)	20.64	19.23	16.82	73.20	62.91	72.29	4.41	2.73	3.52
Southeast Asia	1.71	1.80	1.57	69.76	76.88	82.26	2.29	1.62	1.57
CENTRALLY PLANNED ECONOMIES	0.82	1.07	0.86	16.00	16.98	14.50	0.08	0.06	0.06
European	0.90	1.16	0.89	15.28	14.27	10.24	0.09	0.08	0.10
Asian	-	0.44	0.64	23.52	34.72	42.74	-	-	-

Source: UNIDO secretariat computations.

Section G

World export and import price and quantity indices
for building materials, 1970, ..., 1981; 1975 = 100

Section G presents price and quantity indices for the world trade in building materials computed by UNIDO. These indices are of the chain-linked Fisher type and are based on unit values calculated from the UNSO Commodity Trade Statistics.

Table G.01 World export price and quantity indices for building materials
(Chain linked Fisher indices, 1975=100)

Year	Non-metallic mineral products		Primary metal products		Finished metal products		Wood products		Chemical products		Minimally processed mineral products	
	Price	Quantity	Price	Quantity	Price	Quantity	Price	Quantity	Price	Quantity	Price	Quantity
1970	50.5	68.2	45.9	67.1	47.3	71.1	50.6	108.8	50.3	71.4	58.1	84.3
1971	53.4	75.5	46.1	73.2	52.0	72.7	54.9	113.9	51.0	80.7	60.4	87.5
1972	59.5	83.3	49.0	75.8	57.2	75.9	59.0	134.6	53.0	94.7	66.9	91.0
1973	71.5	93.6	60.3	86.0	67.9	85.2	83.6	154.4	65.7	111.5	79.1	98.1
1974	85.9	102.2	86.2	110.8	80.8	98.3	109.5	123.6	104.1	115.9	87.4	117.6
1975	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1976	98.4	112.2	89.3	102.6	101.2	105.8	107.3	131.6	100.9	124.6	100.9	109.9
1977	107.0	126.9	92.7	107.8	111.4	115.6	115.4	140.5	105.6	134.7	112.6	116.5
1978	123.0	139.8	106.3	126.0	131.1	116.6	127.5	148.7	114.6	141.4	134.8	125.7
1979	141.0	146.5	124.0	138.2	148.1	125.8	155.3	161.8	150.3	156.9	155.2	128.7
1980	161.5	149.9	138.4	138.7	164.5	141.7	174.4	151.2	171.9	157.6	171.7	142.9
1981	152.5	153.6	125.1	171.2	157.1	158.0	156.9	144.2	150.6	161.1	162.7	128.7

Table G.02 World import price and quantity indices for building materials
(Chain linked Fisher indices, 1975=100)

Year	Non-metallic mineral products		Primary metal products		Finished metal products		Wood products		Chemical products		Minimally processed mineral products	
	Price	Quantity	Price	Quantity	Price	Quantity	Price	Quantity	Price	Quantity	Price	Quantity
1970	51.2	65.4	46.0	66.3	51.4	69.6	51.7	103.5	48.7	71.2	53.0	91.1
1971	54.4	71.6	46.2	72.9	55.6	73.7	54.4	107.2	49.5	80.8	56.5	92.4
1972	60.2	79.5	49.4	75.6	62.0	71.9	58.5	127.2	52.9	94.0	62.6	101.2
1973	72.9	92.2	59.6	90.7	71.0	84.4	81.8	144.4	64.4	112.9	74.5	112.5
1974	87.0	103.2	83.2	109.0	82.6	100.7	105.7	120.9	100.2	119.5	87.1	121.9
1975	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1976	98.4	114.5	91.9	99.8	105.9	102.1	103.4	132.1	98.3	128.2	97.6	107.9
1977	106.0	140.9	96.2	104.6	113.5	111.1	118.5	136.5	103.4	139.9	108.4	116.6
1978	118.6	154.0	111.2	118.6	132.7	123.7	127.5	152.1	113.4	149.8	124.7	122.3
1979	132.3	161.6	129.7	123.0	147.9	128.0	150.7	166.6	145.2	168.4	141.6	145.2
1980	147.8	162.0	141.9	117.8	162.6	135.7	167.5	157.3	167.8	162.0	159.4	143.0
1981	140.2	157.8	138.5	136.8	155.8	143.0	153.5	142.8	149.6	167.0	152.6	133.0

Source: UNIDO Secretariat computations based on unit values from UNSD Commodity Trade Statistics.

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