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LONG-TERM PROSPECTS OF INDUSTRIAL DEVELOPMENT IN JORDAN

by Wasif Azar

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Chapter I

THE JORDAN LCONOMY

Introduction

- 1. Jordan is a small country with a total area of 97,500 square kilometers, of which about 6,000 square kilometers lying on the West Bank of Jordan River, have been under Israeli occupation since June 1967. The Hashemite Kingdom of Jordan is a creation of recent political events. After the 1948-1949 Arab-Israeli war, which resulted in the partition of Palestine and unification of the West Bank with Trans-Jordan, the Hashemite Kingdom of Jordan came into existence.
- 2. The economic setting in which Jordan operated since 1948 has been affected by the vast problems arising out of the 1948-1949 war. Within a few months, Jordan's population increased almost three-fold without a corresponding increase in resources, and the country was faced with the necessity of completely rerouting its trade and lines of communication. Previously these had been directed westward to the Mediterranean coast. After 1948, however, Jordan no longer had access to the transport and communication facilities that existed there. It became necessary for Jordan to develop new trade routes and lines of communication.
- 3. At its birth, Jordan inherited very little manufacturing industry. Fransjordan's manufacturing activity was almost non-existent and that of Palestine had mainly been located in areas that have become part of Israel.

Economic development, 1949-1976

4. With its small population (about 1.2 million persons in 1950) and low per capita GNP (around 36 Jordan Dinars in the same year) Jordan offered very limited market for domestically produced goods.

thus handicapping the establishment of industries operating under economies of scale. The high cost of power, the lack of discovered and/or produced industrial raw materials and the shortage in technical know-how hindered the process of industrialization.

- 5. Jordan's natural resource endowment was measure, limited principally to substantial higherade phosphate deposits in a large area in the East bank and to mineral salts in the Dead Sea. Water resources were poor. Only in the northern hills of the East and Mest Banks did average annual rainfall exceed 500 mm. The cultivable area is very limited (about) per cent of the total area of the two banks and about 6 per cent of the area of the East Bank) and more than 40 per cent of it depends on rainfall.
- 6. In this situation Jordan had to rely heavily on the imports $\frac{1}{2}$ of consumer, intermediate and capital goods, and, thus, the balance of trade has been weighted heavily against Jordan.
- 7. In 1950 Jordan's economic prospects were regarded almost universally as dismal. The World Bank mission that visited Jordan in 1955 estimated that GDP in current prices had grown at an average annual rate of about 10 per cent from 1952 to 1954, but the mission did not believe that such a high rate could be sustained in the future. The IBRD mission set 4 per cent as an attainable annual growth rate for GMP but suggested that the achievement of such a rate would not be an easy task.

1/ Fotal Value of Imports (CIF) and Exports (FOB) for selected years in JD million

Year	Imports	Exports	Per Capita	Imports	Exports
1950	10.8	1.5	9.0		1.3
1960	42.9	4.0	25.8		2.4
1965	65.1	9.9	33.3		5.1
1967	5 5.0	11.3	27.3		5.5
1970	65.9	12.2	39.5		7.3
1973	108.2	19.0	59.1		10.4
1975	234.0	48.9	119.9		25.1
1976*	275.0	50.0	136.3		24.8

^{*} Provisional figures

- to such pessimistic expectations. In assessing the performance of the economy for the period 1954-1966, the Phree fear Plan for pronomic Development, 1973-1975, considered that Fordan's economy is a dynamic one capable of achieving a rate of growth similar to or even higher than that achieved in the period 1962-1964.
- According to official and non-official estimates the growth rate of Gwl at current prices averaged over 11 per cent per year between 1954 and 100 (see Pable I-1 below). While no reasonably acceptable estimates of GDP at constant prices were available, most observers consider that growth in Gwl took place within the framework of relative price stability (not exceeding one per cent per annum according to the Three-Year Flan, 1974-1975) and that it must have grown at an average annual rate of over 4 per cent.
- 10. Gross capital formation registered an increase of 447 per cent, whereby it rose from 20%, million in 1354 to 40% 26.4 million in 1356 to 40% 26.4 million in 1356 to 40% 26.4 million in 1356 and its proportion to gross national product rose from about per cent to over 14 per cent during the same period.

Table I-1. GROUS WASTONAL FROM DOUGHAND THE COMPONENTS (AP CHARLES PRICES)
(JD million; per cent)

	1954	1066	Trowth 1	954 - 1)) (
1) Consumption Expenditure	59.1	188.8	21 /	10.7
a) Private	(45.4)	(143.6)	(230)	(10.4)
b) Public	(13.7)	39.2)	(186)	(9.2)
2) Gross Capital Formation	5.)	26.4	347	13.3
3) Exports of goods and services	6.1	32.1	426	14.5
4) Imports of goods and services	19.8	76.6	287	11.9
5) Net factor income from abroad	1.1	15.1	1273	24.4
6) Gross National Product	52.4	185.8	254	11.1

11. While exports of goods and services increased by 426 per cent as against 287 per cent in imports of goods and services, the ratio of the former to the latter rose from 30.8 per cent in 1954 to 41.9 per cent in 1966. Having risen from JD 1.1 million to JD 15.1 million, the net factor income from abroad multiplied almost fourteen times in the years 1954-1966, and its contribution to GNF rose from just under 2.1 per cent to over 8.1 per cent during the same period. This is largely due to the fact that Jordan has been an exporter of manpower to the neighbouring Arab countries and their remittances exceeded JD 12 million in 1966. 1

After 1)66, however, the spur of economic development was abated as a result of the 1967 war and the occupation of the West Bank of Jordan. The complete integration of the two Banks of Jordan was disrupted. The average annual growth rate of GNP decreased significantly in the period 1967-1972, to only 3.8 per cent or to a growth rate of 5 per cent in GDP at current prices and this rate was accompanied by an equivalent increase in the general level of prices. As a result, real GDP failed to rise and per capita income actually declined because of the increase in population. Gross capital formation (excluding changes in stocks) registered a significant decline in both absolute and relative terms. There was hardly any economic development or an economic development policy during the five-year period, 1993-1972, that followed the June war of 1967. Government economic policies were largely ad hoc reactions to events and the orientation was short run, designed more toward relief than to economic development. Fordan was faced with a political catastrophe and uncertainty about its future status, and with problems arising out of the arrival of more than 400,000 new refugees, continuing conflict with Israel, huge amounts of aid to the West Bank and the civil war of 1970.

II. Odeh, Economic Development, publications of the Ministry of Culture and Information, Amman, p. 6 - 8.

- 13. The introduction of the Three-Year Development Plan, 1973-1975, aimed at revitalizing economic activity in the Kingdom and reactivating the development process which was disrupted by the 1967 June war and its aftermath. Available data indicate that during the Plan period, GDP at current prices for the East Bank rose at an average annual rate of growth of 17.5 per cent, but the cost of living rose markedly during this period. The average rate of increase in the general price level was estimated at about 11 per cent and, therefore, the growth rate in real GDP stood at an average of 5.9 per cent per annum.
- 14. Taking the period 1954-1975 as a whole, we can see that the resource use pattern displayed marked relative changes which generally signify the channelling of more resources to economic and social development. Pable II-2 gives the relative change in the composition of total economic resources and their uses. I'wo years' averages were used to reduce the effect of fluctuations in agricultural production and income on the level of economic activity. It will be seen from this table that the contribution of gross national product to total economic resources rose from nearly 69 per cent in the two years 1954/1955 to over 72 per cent in the two years 1965/1966, but dropped down to about 63 per cent in the two years 1973/1974 and further down to about 57 per cent in the two years of 1975/1976. Consequently, the share of imports of goods and services fluctuated in an opposite direction, falling from 31 per cent to about 28 per cent, then rising to about 38 and 43 per cent in the four periods indicated above. On the uses side, the share of gross capital formation reflected an upward trend, rising from 7.4 per cent in the two years 1954/1955 to about 17 per cent in the two years 1975/1976.

TOTAL ECOMOMIC RESOURCES AND THEIR USL (AP CURRENT MARKET PRICES) $^{1/2}$ (JD million; per cent) Pable I-2

	1954/55	55	1,365/00	/00/	1373/74	74	1375/76	76
	Value	Share	Value	Share	Tal ue	Share	Value	Chare
1. RESOURCES								
a) Gross dational Product	51.1	68.7	183.1	72.3	277.3	62.5	443.1	57.1
b) Imports of Goods and Services	23.3	31.3	70.1	27.1	106.2	37.5	337.0	755
c) lotal Resources	74.4	ာ•ထၤ	253.2	100.0	443.5	0.001	786.1	10C.0
2. USES								
a) Consumption	60.4	81.2	181.8	71.8	281.1	6 3 ∙6	423.1	တ ကို
b) Gross Capital Formation	5.5	7.4	27.0	10.7	76.5	15.2	134.0	17.0
c) Exports of Goods and Services	L-9	0 ° 6	30.3	12.0	စ်နှစ်	15.5	135.0	17.2
d) Net Factor Income from Abroad	1.8	2.4	14.1	5.5	25•3	5.7	94.0	12.0

1/ The figures shown in this table represent two-year averages

15. A similar structural shift could be observed with respect to the relative importance of the different sectors of the economy (see tables) and 10 in the statistical appendix). Inc share of agriculture in gross domestic product had dropped from 22.4 per cent in the two years 1954/55 to an average of 20.6 per cent in the two years 1965/66 and to an average of 11.2 per cent in the two years 1975/76. The contribution of mining, manufacturing and electricity supply in gross domestic reduct, however, rose from 10.4 per cent to 12.4 and to 12.6 per cent in the same periods. The contribution of the services sectors continued to have a larger share of GDF, amounting to more than 40 per cent of GDF (53.1, 52.3, 54.7 per cent for the periods 1954/1955, 1965/1960 and 1975/1976, respectively).

the domestic resources of Jordan to sustain a high rate of economic growth is shown in Pable I-3. It will be noted that the external sector plays a strategic role in the Jordan economy. This appears vividly when analyzing the relationship between expenditure on total consumption and on gross domestic capital formation, and gross national product at current market prices. The former continued to exceed the latter throughout—the period 1750-176, and the ratio between these two magnitudes showed substantial fluctuations. Before the War of 1767, this relationship reflected the progress made in reducing Jordan's dependence—on foreign aid , but the figures for subsequent years indicate a reversal of that trend. More reliance on foreign aid was experienced throughout the period 1767-1776.

Including trade, finance, public administration, social and personal services.

^{2/} Hanna Odeh: <u>Lconomic Development of Jordan 1954-1971</u>, Ministry of Culture and Information, p. 11.

Table I-3 RELATIONSHIP BETWEEN DOMESTIC AND FOREIGN RESOURCES (JD million)

	i'wo y	ear average)
	1/954/55	1965/66	1.975/76
1. Expenditure on con- sumption and gross domestic capital formation	65. 9	208.)	568•0
 Surplus on balance of goods and services bu net factor income pay 	it		
ments	-14.8	-25.8	-122. 0
3. GNP at market prices	51.1	183.1	446.0
4. Ratio of (1) to (3)	129.0	114.1	127.4

- 17. The above aggregate economic indicators signify the basic development trends in the Jordan economy for the period 1948-1976, which may be categorized into four distinct time-phases; namely 1948-1961, 1962-1966, 1967-1972 and 1973 to the present.
- 18. The first two phases were characterized by high rate of growth. The second phase, however, witnessed a change in development approach and a tendency towards comprehensive development, which resulted in the formulation of a Five-Year Plan for Economic Development, 1962-1967. The third phase, which followed the 1967 June war, was characterized by a decline in economic growth, and the fourth phase signified recovery of economic activity, implementation of the Three-Year Development Plan 1973-1975 and introduction of the Five-Year Plan, 1976-1980.

^{1/} This Five Year Plan was subsequently modified because of an unexpected reduction in foreign financial assistance to the general budget, thus rendering it imperative to introduce major changes into the priorities and objectives of the plan. In 1963, a Seven Year Programme for Economic Development, 1964-1970, was prepared.

Chapter II

HUMAN RESOURCES

Population

- 13. The 1952 Census of Housing enumerated 1.329 million Jordanians (East and West Banks), of whom roughly 590 thousands were residents of the Last Bank. The 1961 first population census enumerated 1.761 million Jordanians, of whom about 64,000 were residents abroad. The East Bank population in 1961 was given at 781,000. Accordingly the rate of population growth was 2.9 per cent annually. This rate has accelerated during the sixties and early seventies. The crude birth rate has been estimated at 46 to 47 per thousand while the death rate was estimated at 16 per thousand in the early sixties and at 9 to 11 per thousand in the early seventies. This gives a natural growth rate of population of 3.0 to 3.1 per cent during the early sixties and of 3.4 to 3.6 per cent during the early seventies.
- 20. The 1961 population of the East Bank of Jordan was relatively urbanized compared to other developing countries. In 1961 47.0 per cent of the population inhabited localities over 10,000 persons. In 1976 this percentage increased to 67.7 of total population.
- 21. The pattern of settlement in Jordan is characterized by a dominant metropolitan center, the Amman Region $\frac{1}{2}$, a few medium sized towns and many small towns, villages and hamlets.
- 22. The climatic and topographic factors shape the pattern of population distribution of the East Bank of Jordan through the agricultural pattern they impose. The East Bank can be divided into three regions: the desert (about 84 million dunums or 91 per cent of total area), the uplands (about 7 million dunums or 7.6 per cent of the total area) and the Jordan Valley and Wadi Araba depression (about 1 million dunums or about 1.4 per cent of total area).

¹⁾ The region covers an area of 545 square kilometers and consists of 13 municipalities.

- 24. The majority of the population are living in the uplands while both the desert and the Jordan Valley depression are sparsely populated. This pattern of population distribution, i.e., more than 90 per cent of the population located in about 7 per cent of the total area, is a very important factor affecting the population position of Jordan and, at the same time, making the impact of the present high rate of population growth very noticeable on the few urban centers in the country.
- 24. During the period 1905-1970, the annual rate of population growth has exceeded 11 per c nt for the Amman region. This is indeed a very high rate of growth that cannot be attributed solely to normal population growth or to rural migration. A sizeable portion of this growth (and the growth in the population of other urban hereters) can be attributed to the influx of displaced persons from the most wank due to the 1907 war, coupled with the attractive job opportunities and the clustering of business, government and investment enterprises in the Amman region.

Labour force and employment

- 25. According to the 1961 population census, only 22.9 per cent of the total population (of the two Banks of Jordan) was economically active. This rate is very low by any standard. This percentage is even lower for the East Bank which, in 1972 and 1975, was estimated at 19.9 per cent. The basic causes for this low rate of participation in active labour are:
- a) The large proportion of children in population (47.8 per cent of the 1961 population comprised children 15 Years of age or less, and the percentage of this age group increased to 54.5 in 1975). This high rate of children in total population makes the total potential manpower rise to only 37.5 per cent of total population in 1975.

^{1/} The potential manpower is calculated on the basis that every Jordanian 15-64 years of age, excluding students and the physically handicapped, join the labour force.

- in the very low participation rates among children. $\frac{1}{2}$
- The very low participation rates among women (about 10 per cent of total labour force).
- d) The relatively high school enrolment among males and females over 15 years of age.
- e) The early retirement of both male and female workers.
- 26. The 1961 population census reported an unemployment rate of 7 per cent. It has been suggested that recognition of unemployment concealed in the low participation rates would raise the unemployment rate to around 12 to 15 per cent. This rate did, however, decrease to a 2 to 3 per cent level during the early and mid years of the seventies.
- 27. In the early sixties the existence of wide opreed part time employment in agriculture may be taken as evidence of disguised unemployment in agriculture. This sector absorbed, at that time, over one third of the total labour force, but declined to about 18 per cent in the early seventies.

The Multipurpose Household Survey of 1972 rave the following information on participation rates in labour force among different are groups:

Age group	Fercentage Fotal	to Population	in the Age Group Female
All age groups	19.9	35•7	3.5
<i>y</i> = 11	0.1	0.2	-
12-14	2.0	4.5	O• t)
15-1)	17.4	30.5	3.2
20-24	47.9	79.4	20. 8
25 -2 9	51.5	97.2	12.3
30-34	50.0	98.5	0.5
35-39	49.3	97.7	3.3
40-44	49.0	94.3	2.8
45-49	49.0	94.0	2.6
50-54	45.2	84.2	2.3
55-59	41.0	78.1	1.1
60-64	34.6	62.4	0.5
65 and over	21.0	31.8	0.2

Chapter III

SECTORAL DEVELORMENT

- 28. Economic growth over the period 1360-1375 witnessed high rates of growth in some sectors, while others were characterised by low rates of development.
- 2). Table III-1 shows the relative importance of sectoral shares in GDP at 1970 prices. The agricultural sector shows fluctuating rates during the period 1960-1975, due to the fact that agricultural production in Jordan depends, to a large extent, on rainfall. The volume of agricultural production is still short of satisfying domestic demand. Agricultural exports are still confined to some crops of vegetables and fruits in certain seasons of the year. The contribution of the agricultural sector ranged during the period 1960 1975 between 9.3 and 25.2 per cent.
- 30. Industrial growth has been marked by its concentration in a few industries that produce import-substituting commodities which enjoy a domestic market. Most of these industries have been given a chance to grow under government protection and to face negligible internal competition. The industrial sector still suffers from lack of a stable policy and comprehensive regulation necessary for the erection of a solid industrial base. The mining sector is at an embryonic stage. So far, the discovered and actually exploited natural resources are limited, and the magnitude of available resources have not been firmly determined. The contribution of the manufacturing and mining sector ranged between 7.4 and 15.8 per cent.
- 31. The construction sector showed steady improvements except for a decline in the two years 1967 and 1970, due to the June war and the civil disturbances. During the Five-Year Plan, a large share of investment in construction has been devoted to dwellings. The contribution of this sector ranged between 3.9 and 8.1 per cent.

32. Pable III-1 also reveals the continuing dominant contribution of the services sector to gross domestic product at factor cost. This contribution ranged during the past ic years, 1960 - 1975, between 00.2 and 70.2 per cent. Its dominance can be explained by the sizeable public expenditure on public administration and defence and by the relative importance of foreign trade, together with the complementary and auxiliary services which this trade requires, to the national economy of Cordan.

A. Apriculture

33. Agriculture constitutes one of the major sectors in the Jordanian economy. It has been characterized over the past ten years by low and stayment yields of cereals and high imports of some food commodities, leading to a food production - consemption gap. Fordan is neither endowed with large areas of fertile land nor with abundant rainfa'l. The Phree-Year Flan, 1973-1975, accomplished little in terms of increased production as most of its objectives remain unfulfilled due to successive droughts.

Land use

34. The land area of the East Sank of Jordan is about \$2.0 million dunums, which can be divided into four climatic regions:

Region	Ave	erage (mm	Rainfall)	Area (Mill.dunums)	Percent
1. Dry (Desert)	i.ess	than	20C	50° • 0	11.4
2. Marginal	200	-	300	5.3	5.7
3. Semi-arid	300	-	500	1.7	1.8
4. Semi-humid	500	-	80C	1.0	1.1

PADIS III-I RISANTYS IMPORPAGOS OF COSCOBAT BUSHID IN 158 AS BY SAIL OF

Fer cent

Sector	1360	1961	1,62	1303	1.)64	1 JOE	1 80 1 80		gof (1)c+	1-3:	-4	N			d i
Agriculture	16.4	22.8	19.2	18.8	25.2	90	1.0	21.3	10.4	ς, Γ.	a .€ E	7°51	12.2		/V' •	
Wining and manu-	7.7	0.0	7.4	0.4	~ ·	2	U^ • [· ·	7	::-	ر. ا	1 • •	-	;	-1	•
facturing Electricity, gas	7.0	0.0	0.0	α. Ο	7.0	e4 	1.5	ਂ ਹ•1	1.4	r 4 • m:	0	, () ,	<u>ن</u>	:> • •	7. 0	>• 2
and water Construction	5.0	4.0	7.5	5.2	٥ -۲	ري د	6.2	4.4	۵ .	5.3	. • .	11	•		3° (7.
Prade and servic	31.2	29.7	30.6	31.2	28.9	23.3	28.c	G (\$	27.0	2. H.S.	2.j.c	N. N.	 	r, C:		· • • • • • • • • • • • • • • • • • • •
restaur., hotels	12.4	11.4	11.5	10.8	ი გ	~ ;	9.00	a)	a.	00	α) α)	a. T	7.4	ن ۲	2.	, • (
storage Finance and real		α.	3.5	÷.2	ക	8. N.	3.2	φ α	7.	φ, Ω	4.2	& 4.	<i>σ</i> . ∞	ا م:	7.2	ui v
estate Community ser-	17.7	15.1	15.8	15.C	14.5	14.3	14.7	14-7	ار در	19.5 18.3	24.2	23.2	22.7	21.7		n 1
vices CDP at factor	100.0	100.0	100.0 100.0 100.0	100°0	0.00	100.0	100.0	100°	100.0	100.0 100.0	100.0	100.0	100.0 100.0	0 • 35 t	100°.	(
cost			-													

- 14 -

36. Of the cultivable area of about 5 million dunums, or 5.7 per cent of the total area, 4.9 million dunums, or 93 per cent, are rain-fed and 7.0 per cent, or about 386,000 dunums, are completely or partially irrigated. Land use in the East Bank of Jordan is as follows:

Table III-2 LAND USE IN THE EAST BANK OF JORDAN

Land Use	Area (thousand dunums)	Per cent
a) Agricultural crop	ps:	
Rain-fed	4,897	5•3
Irrigated	386	0.4
Total	5,283	5•7
b) Forests	400	0•4
c) Arid lands 1	75,000	81.0
d) Uncultivable	11,896	12.9
	1	•

Economic self-sufficiency

37. Agricultural production has lagged behind consumption in the past few years, and is unlikely to catch up in the near future. It will be virtually impossible for Jordan to cover the cost of imported agricultural products with agricultural exports, without radical increases in crop production.

^{1/} Partially exploitable for grazing purposes.

Table III-3 VALUE OF TRADE IN AGRICULTURAL PRODUCTS
(JD 000's)

Item	1971	1972	1973	1974	1975	
Imports (CIF)	20,920	28,392	32,327		50,675	W
Exports (FOB) Frade Deficit	4,003 16,917	5,070 23,322	4,774 27,553	33,854	10,612 40,063	
Ratio of Exports to Imports	19	18	15	23	21	

Source: Department of Statistics, Jordan

Note: 1971 and 1973 were affected by civil disturbance and war. 1973 and 1975 were years of severe droughts; only 1974 was considered an excellent crop year.

Rural population and land ownership

38. Rural population account for about 32 per cent of total population, while farm workers accounted for 38 per cent during the sixties, and 18 per cent during the seventies. Not all farmers and workers reside in rural areas; some live in the large towns and cities. However, almost three-quarters of the 50,7)1 farms (agricultural holdings) included in the 1975 census were reported as owned or "ownerlike" possessed by operators. The remainder were operated under various rent, share-cropping and partnership arrangements.

Labour

39. At present, there is evidence of wage pressures and shortages of specific types of labour, which could have serious implications for future development. This shortage manifests itself in various

ways. Daylabourers are available in the Jordan Valley, but at wages which are about three times as high as those which prevailed a year or two ago. In the highlands it is now difficult to find labour for the olive harvest, and most of this work is performed by women and children. The Forest Service has difficulty in finding men to plant trees. qualified tractor drivers, farm machinery operators. and mechanics are in short supply. Most Government agencies are experiencing difficulty in finding technically-trained staff. Booming economic conditions in the neighbouring Arab Gulf States as well as in Amman city, are attracting labour away from agriculture. In the long run, the recent shortage of day labourers may be salutary, signaling the transition of agriculture from subsistance to a more productive type, and thereby releasing excess labour for other sectors, while labour productivity and rural wages rise. However, although this may benefit agriculture, it is unlikely to do so without facing social consequences in urban areas, which may have difficulty in absorbing the low-cost rural labour.

Agricultural Income

- 40. Jordan's agriculture is highly unstable because a large proportion of total agricultural output is derived from dry farming in areas subject to frequent droughts, low productivity of land and labour, soil erosion, over-grazing of range lands, lack of planned land-use pattern, marketing problems, lack of adequate long-term capital and awareness by most farmers of modern techniques of production.

 Due to these handicaps in agriculture and their impact on the level of economic activity, primary emphasis has been given in recent years to irrigation schemes, soil and water conservation programmes, and promotion of drought-resistant crops in areas where irrigation possibilities do not exist.
- 41. As a result of these measures, this sector showed slight improvement and growth. The value of agricultural income rose from an annual average of JD 10.2 million in the two years 1954 1955 to an annual average of JD 20 million in the two years 1960 1961 and to JD 30.) million in the two years 1965 1966. These figures

apply to the East and West Banks of Jordan. Agricultural income in the East Bank alone rose from JD 21 million in 1970 to JD 28 million in 1975. (See Table 9, statistical appendix).

- 42. Agriculture contributed 16.4 per cent to GDP in 1)60, 22.6 per cent in 1)65, 13.8 per cent in 1970 and 9.6 per cent in 1)75.
- 43. In Table III-4 production figures of principal crops and areas are given for the years 1968-1975 for the East Bank only. It will be noted that production of wheat and barley displayed sharp annual fluctuations. This oscillatory characteristic, which also applies to other less important field crops is attributable to the fact that these crops are almost wholly derived from dry farming in areas that are heavily dependent on rainfall. Wheat is considered one of the principal agricultural crops in Jordan, since it is the staple food of the population and its cultivation occupies an area of about 2 million dunums. While the average annual wheat production emanated to about 132 thousand tons between 1368 and 1975, the average annual consumption was estimated at about 3000 thousand tons per year. This means that the average annual deficit amounted to over 165 thousand tons during this period. The Five Year Plan aimed at introducing modern agricultural practices with a view to increasing total wheat production from its 1972-1974 average of about 102 thousand tons to about 220 thousand tons in 1980.
- 44. Production of vegetables, on the other hand, witnessed steady expansion before 1)67, and the area under vegetables increased. Total production of vegetables rose from annual average of 1)6 thousand tons in the two years 1954 1)55 to an annual average of 4)7 thousand tons in the two years 1965 1966. After the 1967 June war production of vegetables decreased and displayed sharp annual fluctuations, i.e. total production (East Bank) averaged 218 thousand tons per year in the two-year period 1970 1971, and 212 thousand tons per year in the two-year period 1974 1975.

Pable III-4

AREA UNDER CULTIVATION AND PRODUCTION OF SOME CROFS IN THE EAST BANK (Area in thousand dunums, production in thousand tons)

	Meat	Barley	Tomato	ige- plant	Cucum- ber	Melons	Cabbages a. Cauli- flowers	Olives	bana– nas	Citrus fruits	Grapes
1968 P A	95 2184	19 714	127 150	27 17	1 1	9 <u>6</u> 96	11 01	13 128	sa sin	1.5 10	σο
1369 P A	159 1610	43 570	150 88	8.6	, ,	53 71	1,8 10	24 14?	13	24 17	17 71
1970 F A	82 2228	ۇ 408	137	23	13	22 55	011	3	ر 21	7 2	56
1971 P A	168 2439	26 526	137 125	45 27	10 13	53	9	13 278	પ્લ	15	
1972 P A	211	34 606	153 138	32	- a 25	r o d	a [2	35 718	r 3.	21	22
1973 P A	50 -	۱ ۵٬	8	15	c1	Š	 -	2, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,	~ Ľ\	r.a	22
1974 P	244 2462	40 643	133	35 41	15	24 45	16	40 321	77	25° E.	1 p
1975 P A	50 118	12 529	145 104	40	1.P.	<u> </u>	7 10	234	: v	13	11 65

Source: Statistics Department, Several Statistical Tearbooks

45. A similar situation is discernible with respect to fruits. The area planted with fruit trees covers about 403 thousand dunums in the mast Bank including the Jordan Valley. Of these, 53 per cent comprise clive trees, about 2/ per cent vines and about 20 per cent citrus, banana, and other of fruit trees. In spite of the expansion in fruit planting in the last few years, Jordan continues to depend on imports to cover most of its fruit needs.

46. The Five Year Plan (1976-1)80) aims at enlarging the present area planted with fruit trees by about 255,000 dunums through the provision of financial assistance and contributions in kind to farmers and the supplying of farmers with seedlings and extension services on the use of modern methods.

Livestock

- 47. Jordan's principal livestock asset is the national flock of sheep and goats, numbering about 1.2 million heads. Cattle are much less important with only 47 thousand heads. The camel population is 16 thousand. Though livestock numbers vary from year to year, production of meat and milk appears to be stagnant. The country imports over 7 thousand tons of dairy products and about 100 million eggs annually at a cost of about JD 4 million (1974). In 1975, imports of dairy products (JD 4.8 million) and of live animals (JD 3.2 million) amounted to around 16 per cent of total agricultural imports. The main limiting factor for livestock production is lack of feed.
- 48. There has been a rapid increase in egg and broiler production, which is almost entirely in private hands. All the baby chicks are produced locally, and some are exported to neighbouring countries. The poultry meat market (about 20,000 tons) is almost entirely supplied by domestic production. Egg production is expected to satisfy demand by the end of 1977.

Credit

49. A though credit does not appear to be a limiting factor, it, nevertheless, has a great impact on farm income. Most of the short-term production credit is provided by private commission agents against certain price privileges. The Agricultural Credit Corporation (ACC), and the Jordanian Cooperative Organization (JCO), provide short and medium-term loans. Interest rates vary from 6 per cent on long-term loans to 8 per cent on production credit.

Marketing

50. Wheat is marketed partly through the network of buyers and warehouses of the Ministry of Supply and partly by farmers directly. Vegetables are marketed through a system of private commission agents, wholesalers, and retailers. Both of the Agricultural Marketing Organization (AMO) and the Jordanian Cooperative Organization (JCO) attempted on occasions to displace these agents. However, all attempts failed, since the agents have a complete grip on the market. The AMO has tried adding services (grading and packing) and new crops (potatoes for local consumption and peppers for export) and has succeeded in these endeavors. Future efforts will be restricted to activities which do not directly compete with private agents, yet enable farmers to derive higher returns for their produce.

Ferformance during Phree Year Plan, 1973-1975

51. During the Three Year Plan period, 1)73-1975, 40 agricultural and irrigation projects were to be completed. Nine of these projects are almost completed, and progress has been made in implementing seven more projects, but 24 were never started, mainly because of the uncertainty that resulted from the war of 1973. Failure to obtain financing, shortage of technical personnel, inflation and inability to mobilize resources were other factors involved.

52. Though many of the objectives of the Three Year Plan remain infulfilled, other accomplishments put Tordanian agriculture in a better position than before. The cooperative structure and leader—ship have improved as a farmer participation. There has been a better understanding of marketing problems. Investment by private interests in agriculture has risen, and there is now a greater appreciation of the potential profit in food production. Perhaps most important, farmers and farm workers have gained more experience with new technology, particularly in vegetable and poultry production. The use of insecticides, fungicides, fertilizer, plastic green houses, and machinery has spread along with irrigation. A livestock feed industry is pacing the rapid development of more modern chicken and egg production.

Investment under the Five Year Flan, 1976 - 1980

53. The plan calls for a total investment of about JD 40 million. Of this, JD 22 million or 55 per cent will be invested by the private sector. The remainder, JD 18 million, will come from the Government budget, loans, and technical assistance. About JD 11 million out of the total of public investment allocations will be invested in agriculture for the development of rainfed and irrigated agriculture and for improvement in the production of dairy and cattle.

Development of irrigation schemes

54. Fo further develop and stabilize agricultural production, particularly through reducing its heavy dependence upon rainfall, primary emphasis has been given to irrigation and soil and water conservation programmes. Foremost among these ranks the Major Yarmouk Scheme which calls for the harnessing of existing and potential waters to fully utilize the Jordan Valley. Endowed with favourable soil, water and climatological conditions, the Jordan Valley constitutes the main and largest area emenable to intensive development.

55. The main features of the Major Yarmouk Scheme comprise the construction of major storage facilities on the farmouk and Zarka rivers, small dams on the side Wadis, a network of main canals that convey the water into a large system of distribution canals and irrigation laterals, and the improvement of land and construction of flood protection and drainage systems. Its total cost, including the hydro-electric features, is estimated at JD 160 million. When completed, this project would put about 550,000 dunums under irrigation and would add over JD 24 million to total agricultural production at 1975 prices.

stage of the above scheme was started in 1958. It involved the diversion of the Yarmouk waters by gravity flow through an intake structure leading into a one kilometer tunnel, then into a lined main canal 69 kms. Long feeding irrigation and drainage systems amounting to 600 kms. in total length and covering 3500 farm units having a total area of 120,000 dunums originally the capacity of the main canal was 10-20 m³/second. In addition, this project comprised the construction of flood protection facilities and a network of maintenance roads, and the installation of a telephone system to provide rapid contact for operation and maintenance purposes. This project was completed in 1967. 1/2

57. To augment the supply of water to the East Ghor project area, the Sharhabil Bin Hasna (Ziglab) dam with a storage capacity of 4.3 million cubic meters and an average gross yield of 10.8 million m³ annually, was completed in 1967 with a total cost of JD 8.3 million.

^{1/} Work on the extension of the main canal southward by 8 kms was completed in 1970 to provide irrigation water for 13,178 dunums.

- 58. The construction of the Yafrain and Shueib dams, which form part of the Valley's overall development, were started in 1360 and completed in 1369; with a storage capacity of 4.3 and 2.3 million m³ and a gross yield of 3.4 and 3.7 million m³ per year, respectively. Their waters are utilized to irrigate about 13.000 dunums. The contractual construction cost of the two dams is JD 1.2 million.
- 5). Design of the Chalid Ton Al-Walid dam, with a storage capacity of 200 million m² and a gross annual yield capable of irrigating an additional area of 200,000 dunums in the Jordan Jalley. Mork on the dam commenced in 1)67 but was stopped as a result of 1007 June war.
- 60. Another new dam, Makaren Dam, will be constructed on the Yarmouk River, with a storage capacity of 300 million cubic meters. Its water will be utilized to irrigate 150 thousand dunums extended from Ghor Asbed to the Dead Sea. This project is expected to be completed in 1982.
- 61. The average volume of surface water available for irrigation in the East Bank, excepting the Jordan River waters, is estimated at about 850 million cubic meters per year, of which 75 per cent is available in the Eastern part of the Jordan Valley. Water resources available in the Jordan Valley are sufficient for intensive irrigation of 325,000 dunums, out of a total cultivable area of 500,000 dunums. The area under permanent or partial irrigation in the Jordan Valley is 208 thousand dunums, and that in the southern ghors and uplands about 173,000 dunums.
- 62. Due to the insufficiency and uneven distribution of rainfall, agricultural development and diversification can only be achieved through utilizing underground water resources for expansion of irrigated areas in the highlands and desert regions.

- 63. The government has already completed several pilot irrigation projects in the areas of watrana, Wadi Dhuleil, Wadi Abyad, Pel Burma, Arga Chuweir, wo'a Disi-weira and Karak-Nasa.
- 64. This project aims at expanding the irrigated area, establishing new pilot projects and implementing projects which have been proved economically feasible. Most important among these are:

Project	Irrigable Area (Dunum)
1. Atu-Lassan	1,170
2. Waheida	1,710
3. Abu-Makhtoub	2,100
4. Withruh (pilot)	1,500
5. warein	1,400
6. Suwsqa	2,700
7. watranah (expansion)	6,500
8. Sultani	2,700
9. Wadi Abyad (expansion)	4,500
10.Tal Burma (expansion)	3,000
ll.Ghuweir/Ider (pilot)	2,000

Production, exports and imports

65. Total agricultural production is likely to increase by about 20 per cent during the Five Year Plan, 1976-1980. Considerable increases may be expected in vagetable, fruit, egg and poultry production. However, milk and meat production are unlikely to increase at all. Possibilities for further increases beyond 1980 depend greatly on completion of the Magarin Dam. If completed, production could increase by more than 20 per cent. Exports are increasing, but so is domestic food consumption. Between 1975 and 1980, exports can be expected to increase by 10 per cent and by a further 20 per cent if the Magarin Dam is completed by 1985. Between 1971 and 1974, imports of agricultural products increased by 110 per cent (see Table

III-3). Though this pace is unlikely to continue, there is at present strong pressure on demand for almost all agricultural products.

It seems likely that a further increase of 50 per cent in imports will occur during the 1976-1980 period.

B. Mining

- 66. Mining activity is a recent feature of the Jordan economy.

 Until very recently, few mineral resources were discovered and exploited. The list include phosphate rocks, building stones, marble, gypsum and limestone. Phosphates is the only mineral resource that is being exploited on a relatively substantial scale.
- 67. The mining and manufacturing census of 1974 showed that the total number of establishments operating in this sector was 72. One of these is the Jordan Phosphate Mining Co, the largest, while all others are stone crushers.
- 68. Income generated from phosphate mining accounted for more than 85 per cent of total income generated in the mining and quarrying industry in 1974. This share was less significant in the years preceding 1973 but maintained its 1974 level in the years 1975 and 1976. This is, mainly, due to the increase in phosphate prices. 1/

^{1/} The phosphate production in the period 1961-1976 was as follows (in thousand tons)

24	1965	850	1971	52 <i>)</i>
164	1966	1,012	1972	700
144	1967	1,254	1973	1,128
682	1968	1,611	1974	1,607
527	1969	1,099	1975	1,377
514	1970	891	1976	1,702
	164 144 582 527	164 1966 144 1967 582 1968 527 1969	164 1966 1,012 144 1967 1,254 1682 1968 1,611 1627 1969 1,099	164 1966 1,012 1972 144 1967 1,254 1973 582 1968 1,611 1974 527 1969 1,099 1975

Source: Annual reports of the Jordan Phosphates Mining Co.

Table III-5 MAIN INDIGATORS OF MINI: AND QUARRYING ACTIVITY

(EAST BANK OF JORDAN)

lear	Total No. of Estab-*/ lishments-	Mo. of	Output at Factor Cost OOO JD	Value Added OOO JD
1 365	7 3	2,241	1,906	1,383
1.367	7)	2,495	2,700	2,086
1 368	11)	3,129	3,623	2,757
1974	72	2,405	13,344	11 , 203 [*] /

Source: Industrial survey reports, Department of Statistics, Jordan

*/ The fluctuation in the number of establishments was due to fluctuation in the number of operating stone crushers

- increased substantially during the last 15 years. It has risen from about one per cent in 1960 to about 5.3 per cent in 1974 and maintained the 1974 level for the years 1975 and 1976.
- 70. Phosphate rocks are mined in Jordan in two main locations:
 Ruseifa and Al-Hassa. The product is considered of high quality
 (62-76 per cent concentration TCP). The discovered reserves of phosphate rocks exceed 1,000 million metric tons (of 50 75 per cent TCP).

^{1/} The 1974 industrial survey indicated the following facts about phosphate mining in Jordan in 1974.

	(<u>n</u>	housand JD)	(Chousand JD)
Total	output	20,313		10,846
l'otal	sales	20,139	(Indirect taxes)	7.601
Wages	and salaries	1,286	(Gross) value added	18,447
Gross	profits	9,560	lo. of workers	•
		·	(persons)	1,306

Moreover, the actual amount of indirect taxes (which are in fact royalties on mining) amounted to only JD 4.1 million. Therefore, the 1974 contribution of mining to GDP was underestimated.

71. Several other minerals were discovered, but have not yet been exploited. These include lead sulphide and copper, tin, granite, pyrite, molybdenum, decorative marble rook, iron ore, gypsum, clay, potash, bromide, manganese, magnesium, glass-sand, feldspar, tripoli and building stones.

72. Two other factories are in the process of being operated: The ceramics project and the glass-sheet project. Both projects will utilize domestic raw materials (clay and glass sand).

The potash extraction project is now under implementation. The project will utilize two natural resources, the vast brine reserves of the Dead Sea and the solar evaporation area provided by the south end of the Dead Sea, to produce one million metric tons per year of potash (ke l). Production will be expandable to a potential capacity of 1.7 million metric tons per year of potash as brine levels of the salt pan are raised. Bromine, magnesium and other chemicals contained in the Dead Sea brine will be produced in the future. The production of potash will start on a commercial scale in the early eighties.

^{1/} The Jordan matural Resource Authority estimated the total reserves of some of minerals indicated above as follows: 1. Phosphates (of 50-70 ω PCF) 100 million tons (M/P) 2. Copper ore (of 1.34 % copper) 100 (M/r) 3. Manganese (of 36 %) 1.5 (M/r) 4. Clay (high quality) 5 (M/T) Unlimited quantities 5. Class-sand (3) - silica) 6. Pripoli (91 % silica) 7. Feldspar 1.5 (M/T) 8. Oypsum 50 (M/T) 9. Oil shale 10.000 (M/T)

74. The expansion of phosphate production project aims at increasing the production and exports of phosphate rocks from its 13% level of 1.2 million metric tons to about 6 million tons in 1360 and to over 10 million tons annually after the mid eighties.

d. Manufacturing

The Industrialization is a recent feature of the Jordan economy. Only few industries existed in the late fourties and carly fiftied, and their place in national economic and codial life was very limited. Old industries were recavinated and new ones established along modern lines. Consequently, the value of the industrial total output increased by more than seven-fold in the years 1 (54-1)66 rising from about 25 5.5 million in 1 (54 to over 35 42 million in 1 (65). However, and in spite of this extremely rapid growth, the manufacturing sector remained quite underdeveloped even for a country at Jordan's low level of per capita income. In 166 orly 3.5 per cent of 351 at factor cost and current prices originated in the manufacturing sector.

76. Although most manufacturing firms were very small (over 30 per cent of the total number of establishments in 1366 engaged fewer than 10 persons), few firms, mainly of recent origin dominated the sector in terms of production and value added. In 1366, two firms producing almost solely for the domestic market, the Petroleum hefinary and the Cement Factory, jointly accounted for 20 per cent of value added in manufacturing. Between 1353 and 1366, these two industries accounted for about one third of Jordan's rapid growth in manufacturing value added. The rapid growth of manufacturing industry in Jordan during the period 1348-1366 took place despite the existence of three major obstacles which continue to handicap industrial development in Jordan, namely, the scarcity of local raw materials, the smallness of the market and the weak linkages with other economic activities in the country.

What of Mordan's manufacturing output (nd.4 per cent in 1966) was for final consumption. The 31.1 per cent were restined for intermediate uses, mostly outside the manufacturing sector. Mordan's interindustrial relationships were few and of the most elementary wind, such as the sale of leather to the shoe industry. Weither traduction for investment nor production for exports was important in manufacturing.

***. Most of the industries that existed before the war of June 1967 were small-scale and did not involve technologically complex processes nor much capital equipment.

Pable III-6 PERGENTAGE SHARE OF MANUFACTURING USE-SECTORS IN MANUFACTURING VALUE ADDED

Industrial Activity	1.35)	1,706	1 168	1)72	1)74
Food and veverages	22.7	18.5	14.6	14.4	18.5
Pobacco	5.3	5.8	5.6	3.3	∪ •0
[extiles	4.2	5.2	5.)	4.5	°•5
Clothing and footwear	10.3	₹.5	7.1	5.1	5.8
Wood and products	11.4	3.2	4.4	5.1	3.4
Paper and products	0.4	0.7	0.7	0.2	1.0
Frinting and publishing	2.7	2.2	3.7	2.5	1.7
Leather and products	0.4	1.7	1.8	1.4	2.8
Rubber and products	1.0	0.3	0.2	0.2	-
Chemicals and products	1.3	5.5	6.1	5 . 0	6.8
Petroleum refinery	-	14.0	10.2	18.6	15.1
Mon-metallic minerals	16.6	14.7	1).4	21.)	10.2
Basic metal products	5.7	6.7	7.2	11.4	15.2
Machinery	1.3	1.5	1.3	1.1	2.2
· Transport equipment	3.2	2.9	1.6	3.0	1.8
Miscellaneous Potal	5 .5 100 . 0	1.6	1.7	1.3 100.0	1.0

1/The figures for 1959 and 1966 pertain to the East and West Banks of Jordan, while those for 1968, 1972 and 1974 pertain to only the East Bank.

- 7). Income originating in the manufacturing sector rose by 379 per cent, from 3D 3.4 million in 1954 to 3D 16.3 million in 1965. The rapid growth of manufacturing value added during this period was the consequence both of increasing domestic demand and of import substitution, but not, to any meaningful degree, of an increase in exports.
- the private sector, while the participation of the public sector is comparatively confined to large-scale industries. The aim of Government participation in such establishments is to create and strengthen public confidence in industry and to encourage private investors.
- 91. Generally speaking, Jordan's industry is not abreast of development in similar industries elsewhere. This precluces them from acquaintance with modern technological developments, basically because they are dependent on the domestic market and generally relied on protective tariffs.
- 82. Table ITI-7 and Table ITI-8 show total output and value added in manufacturing industry, for selected years during the period 1960 1976 and trend of main exported manufactured goods.

Pable III-7 MARHEFACTURING INDUSTRY OUTDOUT AT FACTOR COST AND VALUE ADDED (In JD million)

Year	Output	Value added	
1960	13.2	5•9	
1962	15.5	6.7	
1)64	28.4	10.8	
1965	34.8	13.6	
1968	40.2	16.7	
19 7 0	28.4	11.7	
1972	37.7	16.6	
1974	61.3	31.9	
1975	70.2	36.7	
1.476	83.5	44.0	

Source: All information for the years 1960, 1962, 1964, 1965, 1968, 1974 are from sources of the Department of Statistics. Those for 1970,1972, 1975 and 1976 are estimates based on data collected either directly from primary sources or from the Department of Statistics.

mable III-8 EXPORTS OF MAJOR MANUFACTURED PRODUCTS (In JD thousand)

Commodity	1969	1970	1971	1972	1973	1974	1975	1976
Cigarettes	563	519	368	398	546	711	751	809
Liquid batteries	191	196	58	433	409	495	88	40
Textiles	1 37	176	379	143	429	990	634	872
Sole and upper leather	153	169	238	383	260	27?	184	231
Paper	143	143	103	227	327	436	513	234
Cement	483	320	471	\$922	1,296	4,078	1,655	_
Medical and pharm. products	-	-	-	255	549	901	1,251	2,906

Source: Jordan Department of Statistics, External Trade Yearbook, several volumes

^{1/} Information for 1960-1968 pertain to East and West Banks of Jordan while those for 1970-1976 are for East Bank alone.

MANUFACTURING INDUSTRY SUB-SECTORS

1. Food

- 83. Although Jordan has always been known as basically an agricultural country, agricultural yields especially those of staple crops such as wheat and barley were never sufficient to meet the ever increasing domestic consumption. For this reason, no large industry based on agricultural production, with the exception of a medium size plant for tomato paste, was established. Whatever agricultural products are produced are either directly consumed or exported in the form of fresh fruits and vegstables; besides, the prices of these products are too high for processing and canning purposes. Consequently, the activity in this sub-sector has been limited to mainly grain milling, olive oil production, baking, confectionary and animal feed production. Though the number of production units is high (over 1000 in the seventies and 1161 in 1974) few large establishments are dominant (i.e. four grain mills, one confectionary plant, one bakery, one vegetable oil plant, three animal feed plants and one new vegetable canning factory). And even then the confectionary, vegetable oil and animal feed industries use imported raw materials. This food manufacturing sub-sector in Jordan does not include sugar production, meat canning or large scale dairy production.
- 84. The industrial census of 1974 indicated that the food manufacturing sub-sector consisted of 1,161 establishments employing a total of 3,463 workers as shown in Table III-9 below.
- 85. Between 1959 and 1965, the number of establishments had increased by 149 per cent with an average annual rate of growth of 7 per cent and by 157 per cent between 1965 and 1974 with an annual rate of growth of 4.5 per cent. This brings the total increase in number of the establishments up to 234 per cent during the period 1959-1974. Likewise, the number of workers had increased by 136 percent between 1959 and 1965 and by 142 per cent between 1965 and 1974, with an average annual growth rate of 5.5 and 3.5 per cent, respectively.

Table III-9 NUMBER OF ESPABLISHMENTS AND WORKERS IN FOOD MANUFACTURING

ISIC Code	Leonomic Activity	No. 95 1959	Lstab 1965	lishments 1974	No. 1959	96 work 1)65	9rs 1974
311	Sloughtering and preparing animals meat	и.А.	ii.A.	2	iv . A .	14 • A •	65
3112	Dairy products	N.A.	N.A.	6 4	N.A.	14.A.	412
3113	Canned and preserved fruits and vegetables)))	2	24		2)	131
3115	Vegetable oil (olive presses))))	46	43	4 05	173	134
3116	Grain milling	166	183	156	416	550	525
3117	Bakery products	239	361	743	977	1322	1688
3119	Chocolate and confectionary	1	59	68	15	145	387
3121	Coffee milling and others	i.A.	76	38	м.А.	138	70
312 2	Animal feed	-	-	2	-	-	71
rota l		487	727	1140	1813	2457	34 83

^{1/} for 1959, wo. of establishments of the codes 311, 3112, 3113, 3115, 3121 and 3122 are combined together.

^{2/} for 1:65, No. of establishments of the codes 311, 3112, 3121 and 3122 are combined together.

^{3/} No. of workers are subjected to notes 1/ and 2/

Pable III-10 GROSS PRODUCTION AND VALUE ADDED IN THE PRODUCTION AND VALUE ADDED IN THE

(In JD million)

Dode	Leonomic Activity	Gros 1465	roduction 1974	Value 1 105	Added 1)7/1
311	Sloughtering and preparing animal mea	t	4 ?		٦./
3112	Dairy products		2511		1121
3113	Canned and preserved fruits and vegetable		212	ΰ	7
3115	Veretable oil (olive presses)	65	546	1)	29 <i>3</i>
3116	Grain milling	1598	514 9	22 8	3055
3117	Bakery products	967	227)	310	705
311+	Chocolate and con- fectionary	497	68 6	131	202
3121	Coffee milling and others	1418	215	388	83
3122	Animal feed	-	3020	-	32)
Potal		4570	14667	1082	5838

^{1/} for 1965, production and value added of the ISIC codes 311, 3112, 3121 and 3122 are combined together.

86. Between 1)65 and 1974, the value of production had increased by 321 per cent with an average annual rate of growth of 12.5 per cent. Value added had increased by 540 per cent during the same period with an average annual rate of growth of 18.5 per cent.

- 87. In 1974, food manufacturing contributed 17.1 per cent of total value added originated in the manufacturing sector. Out of that, 52.3 per cent originated in grain milling, 19.2 per cent in dairy production and 12.1 per cent in baking. The total value added originating from these three activities amounted to 83.6 per cent.
- 88. Since future plans aim at expanding the area under permanent irrigation by 96 thousand dunums in the Jordan Valley, 62 thousand dunums in the Couthern Chors and 29 thousand dunums in the upland, it is expected that, within the coming three years, a number of small food processing plants will be implemented with the hope that these would grow as agricultural production rises.

2. Beverages

89. The beverage industry in Jordan consists of:

a)	Distilling of spirits	(ISIC Code 3131)
b)	Breweries and manufacturing of malt	(" " 3133)
c)	Soft drinks and carbonated water	(" " 3134)

90. Intermediate and raw materials for the industry are mostly imported. Local production is mainly for local consumption and partly for export. Moreover, the breweries and soft drinks industries are franchised.

Table III-11 NUMBER OF ESTABLISHMENTS, PRODUCTION AND VALUE ADDED OF BEVERAGE INDUSTRIES

		thousand	JD
lear	No. of Establishments	Value of Production	Value Added
1965	10	399	179
1974	9	1148	946

-)1. Although the number of establishments in 1)74 was less than in 1965, the value of production has increased in 1,74 by 288 per cent over 1,965. The value added also increased by 528 per cent during the same period, with the average annual rate of growth amounting to 11 and 18 per cent for production and value added, respectively.
- 92. The distilling and brewing industry contributed 54 per cent of total value added in the beverages industry in 1974, while the softdrink industry contributed the remaining 46 per cent.

Pable III-12 PRODUCTION OF ALCOHOLIC BEVERAGES DURING
1971-1975
(Thousand Litres)

	1975	1974	1973	1972	1971	
Prandy	478	444	332	301	205	
Arak	211	189	166	148	161	
Wine	126	134	98	89	72	
Beer	4436	2544	2156	1753	1735	
					<u> </u>	

Source: Department of Statistics, 1975 Statistical Yearbook

3. Tobacco

)3. The major source of tobacco in Jordan is the local produce of that plant, but, since agricultural production is fluctuating from year to year because of climatical changes, the cigarette and tobacco companies are permitted to import between 30 and 40 per cent of the local production to satisfy local market needs and to export to neighbouring countries.

M. The value of production rose from NO 2,458 thousand in 1965 to NO 3,81 thousand in 1974, or by 242 per cent; the average rate of prowth amounted to 4.3 per cent annually. The value added generated in this industry rose from NO 748 thousand in 1,65 to NO 1,328 thousand in 1,674, or by 200 per cent; the average rate of growth amounted to 10 per cent annually. The tobacco industry contributes 6 per cent to total value added originating in the manufacturing sector.

 $^{45} \cdot$. The following table shows the development in tobacco production during the period 1970-1975.

Pable [11-13 | 108ACCC PRODUCTION, 1970-1975 (In Metric Ton)

	1,775	1 374	1.973	1772	1 471	1,270
I`roduction	1,998	1,972	2,160	1,511	1,533	1,610
Lxport	3,40	403	334	246	225	333

Source: Department of Statistics, Jordan Statistical Yearbooks, External Prade Statistics

96. Local consumption of eigerettes was estimated to about 1,650 million eigerettes during 1974.

A. Pextiles

97. The textiles industry showed remarkable progress over the period 1965-1974, due to the increase in domestic consumption and exports. Pextiles production realized an increase of 262 per cent in 1974 over 1965 with an average rate of growth amounting to 10.3 per cent. Value added also increased by 618 per cent in 1974 over 1965 with an average rate of growth of 20 per cent. The number of establishments operating in the industry trebled and the number of workers increased by 132 per cent during the same period.

who extiles industry contributes 8.5 per cent to total value added generated in the manufacturing sector. But this industry still depends heavily on imported intermediate and raw materials, owing to lack of domestic materials.

Pable III-II JEMELE OF LETABLISHMENTS AND WORKLES, PRODUCTION AND VALUE ADDED IN THE PERTIE INDUSTRY

	1965	1.374
40. of Establishments	38	114
No. of Workers	1150	1516
Value of Production (Phousand JD)	1526	4009
Value Added (Thousand JD)	440	2718

Source: Publications of the Jordan Department of Statistics

5. Wearing Apparel and ready-made clothing

39. The clothing manufacturing is considered to be one of the relatively important industries in terms of the number of establishments. It contains about 41 per cent of total establishments operating in the manufacturing sector, but contributes only 5.1 per cent of total value added to manufacturing.

100. Out of a total of 3,098 establishments existing within this branch of industry, there are only 52 establishments engaging five or more persons; mostly producing ready-made clothes. The others are small-scale industries, dealing mainly with tailoring.

101. Gross output and value added increased steadily since 1968, with value added increasing by 313 per cent or at an annual rate of growth amounting to 21 per cent. Output increased by 216 per cent over the period 1968-1974, or by 14 per cent annually. The contribution of establishments engaging five or more persons amounted to 14 per cent of total employment in this branch of industry, 36 per cent of total value added and 45 per cent of total output.

6. Tanning and leather products

102. The only shareholding company dealing with tanning and leather products in Jordan was established in 1961. The Government of Jordan owns 25 per cent of its share capital and the rest is owned by the private sector. The total number of workers in this firm is around 200. The main source of raw materials (skins) are the abattoirs, in addition to the skins of slaughtered animals in rural areas, which form around 25 per cent of the total animals slaughtered in the official abattoirs.

Table TIT-15 NUMBER OF ANIMALS SLAUGHTERED IN THE ABATTOIRS DURING 1970 - 1975

(Thousand Heads)

	1975	1974	1973	1972	1971	1970
Sheep	144.2	147.0	407.0	325.5	348.5	282.6
Coats	192.8	139.0	263.8	208.5	218.5	187.8
Cattle	18.0	7.0	9.7	7.5	10.5	10.7
camele	4.9	4.0	7.2	7.7	6.2	4.4
						!

103. The local abattoirs provide most of the leather needed to produce the upper leather and chevreau (from sheep and goats skins); domestic

skins provide only 20 - 30 per cent of sole leather and the remainder is usually imported from African markets such as Sudan, Lthiopia, Kenya and Tanzania.

Table III-16 DEVELOPMENT OF JORDAN TANNING CO. PRODUCTION

1975	1974	1973	1972	1971	1970
Sole (Tons) 376	415	151	478	318	182
Lining leather (thousandft ²)237	327	398	551	443	285
Upper leather (")1,992	1,867	899	1,593	1,447	1,024
Chevreau skin scrapings (Tons) 103	96	133	130	50	74
Sheep skin rugs (pieces) 210	688	8 78	736	572	397

104. Beside the Jordan Tanning Company, there are about 26 small scale establishments engaging in leather production, their main function is to produce certain types of sheep fur for use as overcoats.

The number of workers in these small industries is around 80 persons.

Table III-17 NUMBER OF ESTABLISHMENTS, PRODUCTION AND VALUE ADDED IN LEATHER PRODUCTS INDUSTRY

	1965	1974	
No. of Establishments	19	27	
Value of Production (thousand JD)	657	1,037	
Value Added (thousand JD)	162	880	

Source: Department of Statistics, Statistical Yearbook, Jordan.

105. The above table indicates that the value of production has risen between 1965 and 1974 by 158 per cent or at an average rate of growth amounting to 4.5 per cent annually. At the same time, value added realized 543 per cent increase and an average annual rate of growth of 18.5 per cent. In 1974 the leather production activity contributed 3 per cent to total value added criginated in the manufacturing sector.

7. Footwear

106. The results of the 1974 census of manufacturing showed that about 166 establishments were engaged in the production of leather footwear, of which about 10 large establishments, employing 5 or more persons, produced about 330 thousand pairs of different types of shoes; the remaining establishments are small-scale industries, mostly engaging their own proprietors in production.

107. Domestic production of footwear does not satisfy the local needs as yet; the following table shows the imports of footwear during 1970-1975.

108. In 1974, the number of persons engaged in the manufacturing of leather footwear were around (506) persons, the value of production amounted to (JD thousand 622) and the value added was (JD thousand 226).

8. Wood furniture and fixture

109. In terms of the number of the operating establishments, this industry is relatively one of the largest industries in the country. In terms of size, individual establishments are still considerably small, with an average of 2.3 workers per establishment, and depend, to a large extent, upon imported intermediates and raw materials.

Table III-19 IMPORTED FOOTWEAR, 1.770 + 1.775 (Quantity in tons, value in those and 3.50)

	1075	1974	1 173	1772	1.371	1)70
Footwear showing signs of appreciable wear						
_w uantity	455.0	481.0	230.0	127.0	274.0	256.0
Value	84.5	7).3	34.1	10.;	30.1	25 . 0
Hootwear with outer soles and uppers of rubber or plastic			,			
_w uantity	108.0	77.0	35.0	82.0	-	-
Value	178.3	38.4	2 2. 0	29.5	-	-
Footwear with uppers of plastic and outer soles of rubber						
wuantity	177.0	81.0	146.0	10 %0	151.0	-
Value	493.8	43.9	75 . 0	55.3	45.4	-
Uther kinds of footwear						
quantity	133.0	106.0	50.0	260.0	212.0	256.0
Value	336.9	100.)	45.6	199.7	142.5	186.9

Source: Department of Statistics, Jordan External Trade Statistics, 1970-1975.

the following table shows the development of this industry in the Last Bank of Jordan.

Pable III-19 PHE DEVELOPMENT OF THE WOOD FURNITURE AND FIXTURE INDUSTRY

(The Tast Bank of Jordan)

	1959	1965	1774
so. of establishments	335	371	873
io. of workers	1,227	1,761	2,032
Talue of production (thousand TD). Talue added ("",	A.	1,719 738	2,494 1,361

Source: Department of Statistics, Jordan Industrial reports.

110. The rise in the number of workers employed in this branch amounted to 144 and 115 per cent over the two period 1353 - 1365 and 1365 to 1374, respectively. Production has increased by 145 per cent over the period 1365 - 1375, with the average rate of growth amounting to 4 per cent annually. Over the same period, value added increased by 184 per cent, or at an average rate of growth of 6.5 per cent per year. The furniture industry contributed 3.4 per cent to total value added originating in the manufacturing sector in 1974.

9. Paper products

- lll. This industry is still in its early stages of development and could be divided into three categories according to the type of goods produced:
 - a) Wrapping papers, card board and chip board papers. Production of these types of paper depends mainly on the remains of agricultural products, such as, hay and weste paper collected locally and imported from neighbouring countries. The industry is still facing technical problems, and the Government has

acquired about 17 per cent of the share capital of the paper company operating in this field. Recently a new corrugated line has been added to the production of this company which might have some impact on the efficiency and soundness of the project.

- b) Sanitary tissues, paper towels, naprins and facial tissues. So far, the paper tissues industry is still limited to cutting and packing of imported rolls. Up to 1376 there was one company dealing with this type of production; it usually imported suitable sizes and weights of finished paper tissue rolls to avoid waste in raw materials. No further processing was required. Another company was established in 1374 and began production in early 1377.
- c) Carton containers: There are about ten establishments producing containers for the packing of soap, detergents, confectionary, clothes, footwear and other products. These establishments usually print the carton sheets, and re-shape them to suit demand requirements.
- 112. In general, this industry consists of establishments employing about 341 workers, with production and value added in 1974 amounting to one million, and 638 thousand Jordanian dinars, respectively.
- 113. In comparing available data in 1965 with that of 1974, one would conclude the following: the value of production increased by 371 per cent over the period 1965 1974 or at an average annual rate of growth of 14 per cent. Value added also realized an increase of 419 per cent over the same period and the average rate of growth amounted to 15.5 per cent per year.

10. Frinting and publishing

114. This industry experienced remarkable prowth during the period 1905 - 1970, when the value of production rose by 394 per cent and value added rose by 365 per cent. The average annual rates of prowth were 14.5 and 14 per cent for the value of production and value added, respectively. The printing and publishing industry contributed 1.7 per cent to total value added in the manufacturing sector in 1974.

1]. Chemicals

- 115. The chemical industry is composed of the following branches:
 - a) Pharmaceuticals
 - h) Plastics
 - c) Paints
 - d) Other chemicals

a) Pharmaceutical

116. There is one establishment in Jordan which manufactures human medicaments. It was established in 1964 with 16.5 per cent of capital shares owned by the Government. The quantum production was as follows during 1974.

	Unit	Productivts Capacity	Production
fablets	Million	448	14?
Capsols	Million	27	14
Ointments	Kg.	11,200	3,800
Lotions	Thousand Litre	336	203
Dispensaries	Thousand	8,960	2,224

117. The medicament industry achieved rapid growth over the period 1.967 - 1.974, amounting to 1,317 per cent from JP thousand 90 in 1.967 to 30.1,195 thousand in 1.974. Meanwhile, exports rose from JD 5 thousand in 1.967 to JD 849 thousand in 1.974. Percentagewise the increase amounted to 1,698. Total exports in 1.974 amounted to 71.9 per cent of total pharmaceutical production, mainly directed to Arab countries and to some African countries. Imployment also increased rapidly, by 1.96 per cent over the period 1.970 - 1.974.

h) Plastics

- 119. The basic prerequisites for developing plastic industry is the availability of domestic raw materials, or petrochemicals or both; Jordan has neither. This, however, did not refrain Jordan from establishing and expanding this industry, particularly since neighbouring Arab countries are contemplating the construction of petrochemical complexes. The simplicity and variation of production and the availability of quick marketing has given incentives to local investors to create such industries.
- 119. The 1)74 census of manufacturing showed that there were 15 establishments producing a variety of plastic products, two of which are sponge and 8 are plastic footwear, including plastic heels.

 Other plastic production include articles of injection, blowmoulding, extrusion and plastic pipes. All intermediate and raw materials used in plastic production are imported.
- 120. Because of Jordan's location, the opportunities of exporting plastic products are quite good in particular to Saudi Arabia and the Arabian Gulf States (see following table).

	1969	1970	1971	1972	1973
Production (Ton)	1,760	2,352	3,287	1,782	2,207
Exports (Fon)	36	193	435	128	148
Ratio of exports to production	2	8	13	7	7

Source: Department of Statistics, Jordan, 1974 Census of Manufacturing Report.

121. Production of plastic footwear is sufficient for satisfying the domestic needs; surplus production is being exported. In 1)74 the quantity produced amounted to 2,640 thousand pairs while existing production capacity amounted to 6,000 thousand pairs of different kinds and sizes.

c) Paints

122. Development of the paints industry has strong linkages to industrial development and construction activities. In the case of Jordan, construction has grown up very rapid during the last few years. At present, there are seven establishments engaged in the production of paints, mainly, primer paints, emulsions, gloss paints, vehicles paints and a variety of other types of paints. In 1974 production capcity amounted to 5,650 thousand liters, but the actual production was in the neighbourhood of 2,195 thousand liters.

123. The chemical industry as a whole employed 897 workers, engaged mainly in the plastic industry whose value of production had value added amounted to JD 3,815 thousand JD 2,171 thousand respectively; it contributed 6.9 per cent to total value added in the manufacturing sector in 1974.

12. Petroleum refining

124. The Jordan Petroleum Refinery was established in 1956 and started production in 1961 by importing crude oil from Saudi Arabia through

the Tap Line. The initial production capacity was 1,000 tons/day, which was raised to 1,200 in 1970, and to 2,850 in 1973. The value of production amounted in 1974 to JD 9.3 million and value added to JD 4.8 million; petroleum refining contributed 15.1 per cent to total value added in manufacturing. Compared to 1965, the increase in the value of production and value added amounted to 200 and 243 per cent, respectively, and the annual rate of growth, in the same order, was 7.5 and 9.5 per cent.

Pable III-20 PRODUCTION OF JORDAN PETROLEUM REFINERY IN SUBLCTED YLARS

(Thousand tons)

Production	1961	1972	1973	1974	1975
Benzine	37.2	114.1	107.6	136.0	158.8
Kerosene	39.6	93.0	109.8	109.1	113.4
Gas Oil (Solar)	41.2	144.5	169.9	194.9	226.3
Fuel Oil	50.6	165.9	188.5	18).3	193.1
Asphalt	11.9	27.9	36.7	36.7	35.2
Propane Gas	0.6	18.4	18.2	24.0	28.7
		Ì			=

Source: Jordan Petroleum Refinery Co., 1975 annual report

13. Non-metallic minerals

125. The non-metallic mineral industry consists of cement, structural clay products and glass products. The major component of this industry, is the cement industry, which produces about 75 per cent of total non-metallic mineral production. The Jordan Cement Factory was established in 1954 with a capital of JD 15 million in 1974.

126. The Factory produces one kind of cement (Portland) based on USA specifications. The raw materials are obtained from local quarries located close to the factory. The number of workers were 807 persons in 1)74 and the value of production was JD 7.3 millions at producers's prices (JD 4.5 millions at factor cost). Value added amounted to JD 2.4 million in the same year. Between 1965 and 1974, output and value added increased by 215 and 210 per cent, respectively and their annual rates of growth were of the order of 3 and 7.5 per cent. The quantity produced was as follows (in thousand tons):

	1972	1 ∌73	1)74	1975	1976
Cement	661.6	616.8	596 . 2	572.2	586.4

Source: Department of Statistics, Jordan, Statistical Yearbooks.

14. Other non metallic industries

127. a) Marble and tiles. In 1974 there were about 187 establishments engaged in marble and tiles production and employing about 1,099 persons, fifty-seven of these establishments engaged five or more persons. The marble industry depends on local or imported raw materials. Recently, part of ins production started to be exported, as the following table indicates:

Table III-21 PRODUCTION OF MARBLE AND TILES (1970 - 1974)

Quantity (Ton)	Value (thousand JD)	
859	6.0	
243	2.0	
297	5.3	
7,795	23.0	
19,332	45•3	
	(Ton) 859 243 297 7,795	(Ton) (thousand JD) 859 6.0 243 2.0 297 5.3 7,795 23.0

Gross output was valued at 1,613 thousand JD at producer's price and the value added amounted to JD 850 thousand.

129. by prious and concrete pipes: In 1974 the number of establication—ments operating was 32 engaging % workers. Their production output was valued at FD 143 thousand and will endied amounted to FD 62 thousand.

15. Basic metals

12). This industry consists of 402 establishments, two of which weld iron bars for construction purposes. The other of are encared in the production of other metal works, such as blacksmithing, aluminium works, tanks, steel containers. Gross output, as well as the value added, increased during the last seven years, due to achievements in the construction sector. In 1)74, the value of cross output amounted to JD c.4 million, and value added was estimated at JD 4.8 million. Compared to 1,68, output increased by 6 per cent and value added increased by 520 per cent. The basic metals industry realized growth rates amounting to 1,3 and 31.5 per cent in output and value added, respectively, and contributed 15.2 per cent to DF at factor cost.

130. The following table shows the progress achieved by the Jordan Iron and Steel Industry So. in welding iron bars (in tons) during the period 1970-1975.

1)7()	1 471	1,372	1 17/3	1,474	1,375
24074	<i>1</i> 571	301 ⁹ 3	56024	25432	31 303

Source: Department of Statistics, Sordan Statistical (earbook.

lo. Electrical machinery equipment

- 131. This industry consists of 135 establishments, more than
 35 per cent of them engaged in the repair and maintenance of
 electric machinery and equipment; some of these establishments produce
 simple spare parts. There are two firms producing batteries.
 One produces liquid batteries of 2,6 and 12 volts in addition to
 other kinds of plastic and rubber products, and employs about 410
 workers (about 20 per cent of total workers in the electric industry).
 It produces for the local market as well as for export. The other firm
 produces dry batteries in deferent sizes for local market. Its products
 are not yet in a position to compete with imported dry batteries.
- 132. The electric industry produced JD 1,252 thousand of gross output in 1974 and the value added amounted to JD 712 thousand; it contributed 2.3 per cent to total value added in the manufacturing sector. Over the period 1907-1974, the increase in the value of output and value added was of the order of 333 and 516 per cent, respectively.

17. Transport equipment

133. This industry is one of the widely spreading industries in the country. In terms of the number of operating establishments it ranks third, after clothes and wooden furniture industries. It contains about 3.1 per cent of total operating establishments in the manufacturing sector. Out of the 680 establishments, there are about 16 establishments engaging five or more persons. These produce 16.1 per cent of total production and their share in the value added is 32.6 per cent. They are mainly concerned with fabricating steel and wood frames for lorries and buses. The remaining establishments are engaged mostly in repairs of vehicles and other mechanical work related to steel and wood frames.

134. The industry contributes 1.8 per cent to total value added generated in the manufacturing sector in 1374.

d) Electricity

135. The electricity sector occupies a special position in fordan owing to its direct and important bearing on developments in the economic sectors, particularly mining and industry, and on improvements in the living conditions of the people.

130. Electric power generated in the singdom rose from 278 million 7%h in 1)72 to an estimated 410 million 7%h in 1)75, or at an average annual rate of 13 per cent. The number of subscribers rose from about 9%1000 to about 140,000 during the same period, or at average annual rate of 12 per cent.

137. Electric power consumption was estimated at 350 million KWh in 1375, of which about 147 million KWh (42 per cent) were consumed by industry, about 93 million KWh (26.5 per cent) by households, about 60 million KWh (17.2 per cent) by commercial enterprises and about 30 million KWh (8.6 per cent) by water pumping stations. The remainder of about 20 million kWh (5.7 per cent) was consumed for various other purposes, such as street lighting, broadcasting, television, and telecommunications.

138. In the three years 1973-1975, over 13 million Jordanian dinars were spent on electric power supply projects, of which JD 7.8 million was spent on expanding generation capacity, JD 5.25 million on expanding transmission and distribution networks, and about JD 0.4 million on economic and technical studies, engineering designs and specifications for the execution of new projects contained in the Five Year Plan (1976-1980). Hence, actual expenditures on generation, transmission

and distribution of power projects exceeded those envisaged under the Three fear Plan, 1972-1975, by M. A per cent. During the Flan period, four diesel units of 6.2 MW each were installed and operated in Amman, a new power station comprising 3 diesel units of 3.2 MW each was installed and operated in Irbid, and one 14.5 MW gas turbine was installed and operated at the Hussein Central Thermal Fewer Station at Merka. Consequently, total menerating capacity in the East Bank rose from 80 MW at the end of 1972 to 130 MW at the end of 1975, or at an annual rate averaging 18 per cent.

13). Phirty-three KV transmission lines totalling 150 kms, were erected and operated to connect electric power supply to many new customers. Ewenty-two villages were electrified in the Amman and Trbid areas; thus at the end of 1975 there were 61 electrified towns and villages containing nearly 70 per cent of the Last Bank population.

140. The Jordan Electricity Authority (JEA) was established in 1967 with the objective of organizing the supply of electricity in Jordan, providing economical and reliable electric energy through the building of a central power station and the introduction of a high voltage transmission grid for the country. The JEA started in 1973 the execution of the Hussein Phermal Power Station at werka. The project involves the building of Jordan's first steam power station with a generation capacity of 265 MW. The first stage includes a 100 MW reneration target, two 33 MW steam generating sets and two gas turbines of 34 MW. The cost of implementing the first stage was in the range of JD 10 million. The second stage of the generation project at the dussein Chermal Power Station involves adding a third 33 MW steam generating unit to be operational in 1978 at a cost of about JD 8 million, and the third stage involves adding two 66 MW steam generating units at an estimated cost of about JD 36 million. The complete generating capacity of the Hussein Thermal Power Station will be operational by 1)81.

- 141. Another project was implemented to electrify the Jordan Valley. Work on the first stage started early in 1976 on the execution of this scheme with a cost of JD 2.25 million. The second and third stages will be implemented during 1978 for extending the Jordan Valley network further south and electrifying more villages. These two stages will cost around JD 2 million.
- 142. A third project was implemented for electrifying the south of Jordan. The first stage involves electrifying the Karak District with a cost of JD 2.5 million and the second will be implemented during 1978 for further extension to the power station and the electrification of more villages. This stage will cost JD 2.0 million.
- 143. The Five Year Plan, 1976 1980, includes allocations for increasing the capacity of the existing power station in Agaba, and for building a new diesel power station and extending the distribution network at a cost of JD 2.4 million.
- 144. The Five Year Plan also includes allocations for the erection of 132 KV transmission grid. This project aims at erecting an overhead 132 KV high tension transmission grid and 132/33 KV main substations to supply electric power generated at the Hussein Central Phermal Power Station at Zerga to the main load centres in the greater Amman area and the northern regions (Irbid). The first stage of this project, which was completed in 1976, consisted of the erection of 37 Kms. of twin overhead 132 KV transmission lines linking the Hussein Phermal Station and three main 132/33 KV substations in the Amman area. The second stage will be completed this year (1977) and will consist of strengthening and expanding the Bayadir Wadi Sir main sub-station and erecting a 9 Km., 132 KV high tension line between this station and the new sub-station at Fuheis to supply electric power to the Cement Factory. The cost of this stage is estimated at JD 880 thousand.

145. The third stage comprises erection of two 132 KV high tension transmission lines: the first, 65 kms. long, extends from the Hussein Central Thermal Power Station to the city of Irbid, and the second, 25 kms. long extends between Thermal Power Station and the new substation in the Kaser area, south of Amman. The third stage will also involve the erection of two main 132/33 KV sub-station, at Irbid and in the Kaser area.

146. Upon completion of the transmission lines between the Hussein Phermal Power Station and the city of Irbid, the electricity link will have been realized between the areas of Amman and Irbid, and subsequently between the Jordanian and Syrian grids through the transmission line between Dera' in Syria and Irbid in Jordan. The first stage of the electricity linkage between Syria and Jordan was completed in 1976, with a cost of JD 250 thousand. The second stage is expected to be completed in 1978. Phis stage aims at strengthening and augmenting the electricity link between the Syrian and Jordan networks by erecting within the Jordanian territory a 20 Kms., 230 KV high tension transmission between Dera's and Irbid and building a main 230/132/66/33 KV sub-station in Irbid to serve as the main connection point between the two networks. The cost of this stage is estimated at JD 800 thousand.

147. Since Aqaba area will house few major industries (fertilizers, pharmaceuticals, oil refinery, etc.), new sources of power are now being considered. This includes nuclear power generation or a desalination plant with a power generation capacity of not less than 300 MW. It is expected that the 1980's or the 1990's will witness the execution of a relatively large power plant. These considerations involve expanding the high voltage transmission grid system to cover all Jordan and to connect Jordan with Iraq, Saudi Arabia, and probably other Arab Gulf Countries, in addition to Syria.

e) Construction

- 148. Construction includes all private buildings, private building maintenance, Government construction such as buildings, roads, irrigation projects, port facilities, railways, and finally UNRWA construction. The construction sector showed steady developments during the period 1,67-1,75, with the except of 1,70, and the income which was generated in this sector rose to JD 8.7 million in 1,67, declined to JD 7.8 million in 1,970, and again rose in 1,75 to JD 22 million. This increase was due to the implementation of Government projects in the different sectors, such as the construction of new roads, new dams, the Fort of Aqaba, railway projects and private dwellings.
- 149. The share of this sector in GDP amounted to 4.9, 4.1 and 7.5 per cent in 1967, 1970 and 1975, respectively. The average annual increase in value added generated in this sector for the period 1967-1975 was around 11 per cent, while the average annual increase in GDP amounted to only 6 per cent.
- 150. Despite expansion in investment in the construction sector,
 Jordan is still faced with a difficult housing crisis due to a
 variety of economic, social and political factors, such as the high
 natural growth in population, the steady migration from rural to
 urban areas, the flight of large numbers of inhabitants from the occupied
 West Bank to the East Bank and the general economic and social
 developments, including the rise in the number of independent households.
- 151. The housing requirements in the East Bank of Jordan are estimated at 18,000 units annually. Before 1965, investments in housing were mostly undertaken by the private sector. In 1965, however, the Government established the Housing Corporation in order to help solve this critical problem by extending loans to individuals of low

income and to cooperative societies, and by implementing carro housing projects for low and middle income groups. The lovernment also established in 1973 the Real Estate Bank with a view to providing long term housing loans and entrusted the Bordan Valley Authority with the task of providing housing to inhabitants of the Bordan Valley.

152. During the Phree-Year Development Plan, 1973 - 1975, 1.6 million square meters were constructed at a cost of 49 45 million, of which more than 50 per cent were constructed in Amman and Perka. This investment was financed from the following sources:

Gource	Investment (JD million)		
The Housing Corporation) . 8		
The Real Estate Nank	11.0		
The Commercial Panks	15.3		
The Agricultural Gredit Corporation	1.9		
Jousing Funds in Fublic and Private	4.0		
Institutions			
The Private Sector	3.1		
[otal	45.0		

f) Pransport

153. Development of the transport sector has received great emphasis in Jordan during the past two decades, and particularly during the Phree Year Plan, 1973-1975, when an integrated project for phosphate mining, rail transport, and port facilities was initiated and implemented. The transportation sector is considered as one of the main sectors with a direct influence on economic activity. As a result, Jordan has at present a relatively well-balanced and efficient transport network,

adequate to meet the present level of requirements in most areas. Continued development of the transport sector would, however, be crucial for meeting the growth in transport demand arising from the planned growth in exports, imports, transit trade and internal trade, tourism and the social development of various regions of the Eingdom.

154. bottlenecks may, however, soon develor in the various sectors if further development of transport facilities does not deer pace with the growing tempo of economic activity envisaged under the five Year Plan, 1976-1980. The plan clearly recognized this need and provided for large investments in the transport sector, amounting to about JD 126 million, nearly 16 per cent of the plan's total outlay of JD 765 million.

155. On the whole, Jordan has achieved progress in implementing transport projects identified in the Three Year Plan and has very nearly fulfilled its targets in this sector. In financial terms, the total expenditure on public sector transport projects was JD 39 million, as against the plan provision of JD 27.8 million. The contribution of the transportation sector to GDF rose from JD 17 million in 1972 to JD 26 million in 1975, or by an increase of 53 per cent.

156. Total investment in the transport sector during 1973-1975, including private sector investments, amounted to about JD 70 million, an amount which makes this sector the largest single contributor to Jordan's capital formation during this period.

157. The bulk of the transport sector investments under the Five Year Plan are designed to cater mining, export and manufacturing projects which form the backbone of the Flan.

- 158. Most of the investments allocated in the Plan for the transport sector will be undertaken by the public sector; this would cover all investments in roads, railways, ports and airports. Private investments are relatively small, and mainly confined to road transport vehicles and related services. The Five Year Plan envisages a total investment of JD 120 million for the transport sector, including an indicative provision of JD 7.5 million for the private sector. The plan's estimate, however, excludes a major private sector investment of about JD 40 million, which the Jordanian Airlines, Alia, plans to use in expanding its international fleet.
- 159. The main transport projects in the public sector include:
 - 1. Acquisition of more locomotives and wagons so as to increase the capacity of the railway in moving phosphates from El-Hasa mines to Aqaba Port from an expected 1.2 million tons in 1976 to 4.0 million tons in 1980.
 - 2. Expanding the capacity of the road network with a view to supplementing the railway in carrying the phosphates to the port and to the new fertilizer factory, as well as to meet the heavy demand on road transport to handle the growing internal and transit traffic (the expected transit traffic to Iraq alone, passing through Jordan's port and road system, being 600,000 tons by 1978 under an agreement between the two governments).
 - 3. Expanding port facilities by adding two new floating berths (one was opened during 1977), new storage silos and new mechanized loading plants for handling phosphate exports; and building four general cargo berths and other ancillary facilities to augment the ports general cargo facilities.
- 160. At the end of 1974, the road network in the East Bank totalled 5,700 Kms, of which 4094 Kms. were asphalted.

161. The Five Year Plan include several projects, the most important of these are:

Azrak-Saudi Border Road: A 56 kms. road linking Jordan with Saudi Arabia, Kuwait and the Gulf States. The estimated cost is JD 1.45 million.

Azrak-115-Iraqi Border Road: A new 230 kms road extending to Azrak, 115 and the Iraqi border to accommodate the growing transit traffic to Iraq and other Arab countries. The cost is estimated at JD 6 million.

Azrak-Bayer-Jafer Road: A 200 kms road extends from Azrak and Jafer to Ma'an to serve the growing volume of transit trade with Iraq and other Arab countries. The cost is estimated at JD 6 million.

Safi-Aqaba Road: A 187 kms road linking the Southern Ghors region and Wadi Araba with the Fort of Aqaba for transporting potash, copper, manganese and other minerals, and for developing the Wadi Araba area. The cost is around JD 4.8 million.

<u>Kufranjeh-Kraymeh-Road</u>: Asphalting the existing earth road which connects the central and northern parts of the Jordan Valley with the Irbid region for purposes of transporting agricultural products, particularly exports to neighbouring Arab countries. The cost of the project is estimated at JD 525.000.

- 162. The railway system which exists in the East Bank consists of the following lines:
 - 1. An 87 kms line between Amman and the Syrian border. Its capacity amounted to 54,000 tons per annum at the end of 1975.

- 2. A 150 kms line between Amman and Hasa.
- 3. A 261 kms line between Hasa and Aqaba through Hittiveh Station. The annual caracity of the two sections, the new and the upgraded ones, is 1.6 million tons of phosphate rock from Hasa to Agaba and 250,000 tons of general cargo from Agaba to Amman.
- A. 4 40 kms line between Matan and Ras Lagab
- 163. During 1973-1975, the 116 kms railway line connecting dittiyeh on the did/az Railway with Agaba was completed at a total cost of 3D 26 million.
- 104. The new Flam, 1975 1980, calls for raising phosphate transport capacity of the Masa-Aqaba Railway gradually from 1.6 million tons in 1975 to 4.5 million tons in 1977 and to 7.5 million tons by the end of 1980. The project involves installing additional stations, rail sidings and rolling stock, and developing the communications and signalling systems. The cost is estimated at JD 14 million.
- 165. The modern development of the Port of Agaba began in 195), when a 160 meter deep-sea berth for general cargo was built and the existing ligherage berth was extended to 95 meters. In addition, a 220 meters phosphate berth and two phosphate stores, each with a capacity of 20,000 tons, were constructed.
- 166. In 1)64, another 180 meters berth for general cargo was constructed and the lighterage berth was further extended to 215 meters. Two more phosphate stores, each with a capacity of 60,000 tons, as well as a second 180 meters phosphate berth equipped with automatic loading machinery were constructed.

167. At present, the port facilities also include closed ware-houses with an area of 11,000 sqm, two hangers with a total area of 13,000 sq.m and open areas totalling 40,000 sq.m. In 1977 a new cargo floating berth was constructed. The development of the Port of Aqaba and its facilities came as a response to economic development in Jordan and particularly to the substantial expansion in phosphate exports and an increase in Jordan's imports.

F) Trade

1. Domestic Trade

168. Domestic trade plays a major role in the national economy of Jordan as it contributes 15 per cent to domestic income and employs around 30 thousand persons, or 8 per cent of the total labour force.

16). Pable III-22 illustrates the importance of this activity in terms of the number and distribution of the commercially active establishments in the Last Bank of Jordan.

Pable TIT-22 COMMERCIALLY ACTIVE ESTABLISHMENTS IN THE EAST BANK OF JORDAN (1975)

District	Wholesale	Retail	[otal	
Amman	1,500	12,000	13,500	
I r bid	1,050	3,650	4,700	
Balqa	200	1,000	1,200	
K ar ak	150	700	850	
a'an	100	650	750	
[otal	3,000	18,000	21,000	

170. Domestic trade contributed JD 1).6 million to GDP at factor cost in 1960 and JD 31.4 millions in 1965. In the East Bank, domestic trade contribution to GDP rose from JD 32 millions in 1970 to JD 52 millions in 1975, an increase of 137 per cent.

2. <u>External trade and payments</u>

171. External trade occupies an equally important position in the national economic life of Jordan. In the mid sixties, commodity imports represented, on average, one-third of gross national product, one-fifth of consumption expenditures, more than one-third of the raw materials and intermediate goods needed for local production, and over one-fourth of total fixed capital formation. Commodity exports, on the other hand, constituted a mere one-twentieth of gross national product and consisted predominantly of agricultural goods and rock phosphates.

172. Table III-23 shows the development of Jordan's commodity trade relations with the rest of the world. It will be noted that the value of exports in 1)54 more than doubled by 1)62 and continued to grow, reaching JD 10.4 million in 1)66, JD 12.2 million in 1)70 and JD 48.9 million in 1)75. Domestic exports, as well as re-exports, displayed rapid growth, primarily as a result of the sizable expansion in national output of agricultural and mineral products. A decline in exports was started in the third quarter of 1)70 due to internal disturbances in Jordan, but regained momentum during the first half of 1)71. Again, in the second half of 1)71 it was disrupted by border closures. In 1)72, Jordan regained stability but the events of 1)71 left their mark on foreign trade.

rable III-23

TORDAL'S MILKAL MADE (TO million)

				-												
	1360	1361	1361 1361 0361	1963	1,164	1365	1760	1)67	1963 1364 1365 1360 1367 1369 1369 1370 1371 1372 1373 1374 1375	136)	1 97 0	1761	1,372	1973	1,74	1,375
Exports (POB)	4.0	4.0 5.3 5.9	£•\$	6.5	8.7	6 ° €	10.4	11.3	6.5 8.7 3.9 10.4 11.3 14.3 14.7 12.2 11.4 17.0 13.0 43.7 48.3	14.7	12.2	11.4	17.0	0 ° £1	43.7	3.5
1. Domestic	3.5	3.5 4.3 4.9	4.)	5.5	7.0	7.7	α α	10.0	7.0 7.7 8.8 10.0 12.2 11.3 3.3 8.8 12.5 14.0 33.4 40.1	11.	9.3	σ; α'	12.5	14.0	33.4	40.1
2. Re-exports	0.5	0.5 1.0 1.0	1.0	1.1	1.7	2.2	1.6	1.3	1.7 2.2 1.6 1.3 2.1 2.8 2.3 2.6 4.4 5.0 10.3 8.8	α. ς	2.3	2.0	4.4	5.0	10.3	œ œ
Imports (cif)	42.9	42.9 41.9 45.6	9.51	50.3	53.6	56.1	08.2	55.0	53.6 56.1 08.2 55.0 57.5 67.8 65.3 76.6 35.3 108.2 156.4 234.0	67.2	65.3	76.6	35.3	108.2	156.4	234.0
Trade Deficit	38.9	38.9 36.6 33.7	33.7	44.3	€.44	46.2	57.8	43.7	14.3 44.9 46.2 57.8 43.7 43.2 53.1 53.7 65.2 78.3 83.2 106.7 185.1	53.1	53.7	65.2	78.3	83.2	106.7	185.1

Source: Department of Statistics, Jordan External Trade Statistics

173. Commodity imports, on the other hand, increased by about 250 per cent during 1354-1365, and by the same percentage during 1366-1375. This rise in imports resulted from the impressive growth in personal incomes and the growing needs for intermediate and capital goods to sustain economic activity.

174. The gap between exports and imports has, as a result, consistently widered in absolute terms. The visible trade definit more than doubled from 1954 to 1960 and rose to over three times by 186; there-after it declined slightly derive 1967-197 due to the June ar of 1967. The trade deficit amounted to 35 5% million in 1975 and 35 185.1 million in 1975.

displayed important changes. At can be seen from Table III-20 the value of exported consumer goods increased by 50 per cent between 1966 and 1965, declined during 1970-1973 and rose again to around JD 16 millions in 1975. Exports of raw materials showed the same trend too. The marked increase in exports was due to expansion in the exports of unprocessed agricultural products, mainly fruits and vegetables and phosphate. Whereas these occupied an insignificant position in the early fifties, phosphate exports have developed fairly quickly and emerged in recent years as the highest single foreign-exchange earning commodity. The value of phosphate exports rose from a meager JD 0.95 million in 1954 to JD 3.3 million in 1966 and to JD 19.6 million in 1975.

176. Imports of consumption goods constitute in value terms by far the largest single item among Jordan's total imports. The value of imports of consumption goods amounted to JD 31.3 million in 1966, and JD 33.4 million in 1971 and rose steadily thereafter reaching JD 90.5 million in 1975. Among imported consumption goods, food and beverages ranked highest, with clothes as second in importance.

177. Haw materials and capital goods ranked second in Jordan's total import bill. Imports of raw materials and capital goods displayed some variation in value terms. Haw materials imports rose to JD 14.7 million in 1960, but fell to JD 13.6 million in 1971 and went up again to JD 57.2 million in 1975. Carital goods imports showed similar pattern, rising to JD 15.1 million in 1960 and falling to JD 13.4 million in 1970 and again rising to JD 82.8 million in 1979.

178. The geographic distribution of Jordan's external trade is given in Pables 25-30 Appendix I. It will be noted that the Arab countries constitute the main market for Jordan's exports.

179. Convinced of the need to expand its exports in order to attain its national objectives, Jordan made serious efforts to open up new markets for its products. Jordan is one of the five founding members of the Council for Arab Economic Unity and the Arab Common Market. In addition, it has concluded trade agreements with Lebanon, Dyria, Iraq, Saudi Arabia, United Arab Republic, Sudan, India, Yugoslavia and many other countries.

180. On the other hand, Jordan's imports have come mostly from the developed countries, the United States, the United Aingdom, the European Economic Community, Japan, and other socialist countries. Imports have consistently outpaced exports and the country has consequently faced trade deficits of increasing magnitudes. These deficits were covered partly from net earnings from invisible trade (primarily from tourism and remittances of Jordanians working abroad) and partly from private and official unilateral transfer payments.

181. For over twenty years Jordan has been an exporter of know-how and skills, particularly to neighbouring Arab countries. Thousands

Pable III-24 commoning compountion of LXflanks PR DE 1966 - 1975 (4D thousand)

	19	9961	1967	<i>ز</i> ل	1968	દક	1969	59	0.26%	70	Essa Essa	1	1972	72	1973	73	1974	4	-,1	
	Val.	5 2	Val.	<i>52</i>	Val.	1/2	Val.	1 ,2	Val.	٧٤	Val.	132	Val.	16	Val.	P3	Val.	13	Val.	1.7
Domestic Exports	8759	100	9984	100	12172	100	11916	100	9320	100	8817	100	12606	001	14010	100	39437	100	40075	00
Consumer Goods	4733	54	5877	59	6914	57	7085	09	0909	65	5450	62	6196	49	6826	49	13865	35	15999	1
Raw Materials	3634	41	3806	38	4588	38	4562	38	2585	28	2457	5 8	3947	33	5327	38	20796	53	21544	
Capital Goods	341	4	258	Υ	628	5	226	2	672	7	873	10	2463	50	1816	13	4769	12	2528	
Ot ner Bo	51	~	43	1	45	ł	43	1	C1	t	37	ŀ	1	ı	41	ı	7	ı	4	'
ne-exports	•	ı	ı	ı	I	ı	1	1		1	ı	ı	ı	1	10141	1	10315	ı	6618	ı
Imports	68211	100	55048	100	57492	100	67752	100	65882	100	76627	100	95310	100	108200	1001	156507	100	234013	001
Consumer Goods	31333	46	23870	43	27606	48	33887	50	33025	50	33441	44	46287	20,	50597	47	69627		90513	3
Haw Materials Capital Goods	14696	22	13722 14774	25 27	12213 13922	21 24	14593 15239	2 2	15144	23	13612 17614	18	18772 18626	8 61 9	22206 20239	20	29998 40913	19	57222	K CA 12
Other	7082	10	2682	5	3751	7	4033	9	4338	L"	11960	15	11625	12	15158	14	15969	10	3401)

Journe: Department of Statistics, Fordan, External Prade Statistics

of Jordanians took up employment in these countries at comparatively attractive renumeration and continued to remit their savings to Jordan, partly to support their families, but mostly to have them invested in real estate or business. These remittances have increased substantially and amounted to JD 12.1 million in 1966, to both the mast and West Banks. These amounted to JD 13 million in 1971 and to JD 39.4 million in 1975. Similarly, Jordanian emigrants regularly transfer funds to their relatives in this country. These private transfers rose from JD 0.2 million in 1954 to JD 2.7 million in 1966, and to JD 3.5 million in 1973 but dropped to JD 2.4 million in 1975.

182. Meanwhile, Jordan has received substantial amounts in the form of official transfers. These represent the foreign aid given to support the Covernment budget or in the form of economic and technical assistance, as well as expenditures of the "nited nations Relief and Moras Agency (MaRWA) and other United nations organizations. In 1966, official transfer payments amounted to JD 31.4 million and in 1967 they amounted to JD 51.6 million; in 1970 official transfers declined to JD 30.1 million due to discontinuation of financial aids from some Arab States, but in 1975, these transfers rose tremendously to JD 130 million, of which JD 105.7 million came from Arab Governments, JD 22.4 million from the United States and JD 3.4 million from expenditures incurred by UNICAA and other UN agencies in support of their programmes in the country. Table 31 in Appendix I, summarizes Jordan's balance of international payments.

h) Services

183. Pable III-25 shows that the contribution of this sector to GDP pointed to a steady growth during the period 1960-1976. Between 1960 and 1965, the value added in this sector rose from JD 32 million to JD 45 million, by 141 per cent (Last and West Banks of Jordan).

In 1970, it rose to JD 61 million and to JD 73 million in 1973, and increased steadily thereafter to JD 119 million in 1976 (East Bank alone). Between 1970 and 1976, the percentage increase in value added was around 195 per cent and the percentage contribution of this sector to GDP ranged from 35.4 per cent in 1960 to 40.1 per cent in 1976.

Public administration and defence

184. This subsector includes both the Central Government and the Municipalities. In Table III-25, the value added in this subsector increased appreciably, particularly in recent years, due to the active involvement of the government in the economic and social life of the country. In addition, Jordan's expenditures on the armed forces rose from JD 17 million in 1967 to JD 33 million in 1970 and to JD 48 million in 1975. In those same years, total government expenditures amounted to JD 70 million, JD 73 million and JD 251 million, respectively.

Ownership of dwellings

185. This subsector comprises the rental values of dwellings. Value added in this subsector (East and Weet Banks) rose from JD 7 million in 1960 to JD 11 million in 1965, or by an increase of 157 per cent. For the East Bank alone, value added rose from JD 8 million in 1970 to JD 19 million in 1976, by 238 per cent.

Education

186. Education in Jordan witnessed significant progress during the period 1960-1975. The Government took into consideration the need for diversifying education and improving techniques, in addition to enforcing obligatory education in elementary, preparatory and secondary classes. Vocational education has been receiving increasing attention.

^{1/} Estimated percentages

WALUE ADDED IN THE SERVICES SECTOR Table III-25

(At Current Prices, JD million) $\frac{1}{2}$

	1960	1960 1965 1970	1970	1971	1972		1973 1974	1975	1376
Public Administration and									
Defence	16	21	<u>%</u>	39	4 0	41	45	55	64
Education	m	9	9	9	7	6	10	11	13
Health	2	2	2	2	٣	æ	4	Ŋ	9
Ownership of Dwellings	2	11	80	80	6	1.2	14	17	19
Other Community, Social and Personal Services	4	5	_	∞	œ	00	10	_	17
Fotal	32	45	61	63	67	73	8	102	119

Source: Jordan Department of Statistics, National Accounts Reports

1 The figures for 1960 and 1965 refer to the whole Kingdom of Jordan; for 1970-1975 they refer to the East Bank alone.

187. Value added in education showed steady increases in the period 1960-1976. It rose from JD 3 million in 1960 to JD 6 million in 1965, or by 200 per cent. In 1970, it amounted to JD 6 million for the East Bank alons and to JD 13 million in 1976, i.s. an increase of 217 per cent.

188. During 1973-1975, the Minietry of Education accommodated about 68.9 per cent of the etudent population; the remainder were accommodated by UNRWA schoole (nearly 20.1 per cent), private schools (10.1 per cent) and the University of Jordan (0.9 per cent).

189. As can be seen from Table III-26, enrolment of all students in the academic year 1960/1961 rose from 252 thousand to 409 thousand in 1965/66. The number of students rose from 390 thousand in 1970/71 to 540 thousand in 1974/75. During the period 1973-1975, 244 new educational institutions were established; providing an opportunity for all children between the ages of ℓ and 11 years to attend elementary classes, and for 72 per cent the chilren between the ages of 12 and 11 years to attend preparatory classes and for 35 per cent of youth between the ages 15-17 to attend secondary classes.

Table III-26 NUMBER OF STUDENTS, TEACHERS AND SCHOOLS FOR SELECTED YEARS

	1960/61	1965/66	1970/71	1971/72	1974/75
Number of Studente	282,000	409,000	390,000	419,000	540,000
Number of Teachers	9,205	11,474	11,921	13,136	18,054
Number of Schools	1,595	1,929	1,528	1,711	2,231
					ţ

Source: Department of Statistics, Statistical Yearbooks

The figures for 1960-1966 are for the East and West Banke of Jordan; thereafter they refer only to the East Bank of Jordan.

190. The University of Jordan was established in 1962. Student enrolment in this University rose from 3,030 in 1972/73 to 5,600 in 1975/76. Post-graduate programmes were introduced in the Faculties of Arts, Sciences and Education and four new Faculties (Medicine, Nursing, Agriculture, Engineering and Technology) were established.

191. In 1975, a reyal decree was issued, establishing a second university in Jordan, The Yarmouk University, to be situated in the Irbid Governorate.

Minietry of Education established an industrial echool and a commercial echool in Zerqa, and started the construction of an industrial school at Sweileh, in order to provide techniciane to various sectors of industry. The Ministry also setablished a Polytechnic Institute and a Trade Training Centre at Marka, with a two year study programme. The Centre will graduate 260 techniciane annually in electrical, mechanical, civil and architectural engineering, surveying, laboratory work, and chemical engineering, as well as 167 technicians in other ekills. A vocational school for girls and a center for intensive short-term training in constructional trades were established in Amman. A trade training centre was opened in Mafrak and a similar one in Jerash. Industrial centres at the preparatory level were also opened in Irbid, Zerka and Salt and vocational training centres for girls were opened in Amman, Irbid and Zerqa.

Health

193. Health cervices showed progressive imprevements in the early seventies. The average infant mortality rate has dropped to 22 per thousand, and malaria has been completely eradicated. The Ministry of Health is also maintaining a continuous campaign to eradicate tuberculosis and innoculate large sections of the population.

194. The total number of hospitals (Government, private and foreign private) in the East Bank of Jordan in 1975 was 30. In 1975, three more hospitals were constructed. (See Table III-27 below).

Table III-27 NUMBER OF HOSPITALS IN JORDAN 1

	1960	1965	1970	1972	1 975
Govt. Hospitals	24	25	12	12	12
Private "	13	12	8	8	11
Foreign Private Hospitals	12	17	7	7	7
To tal	49	54	27	27	30

195. Table III-28 shows the number of physicians, dentists, pharmacists, midwives, professional nurses and bacteriologists in Jordan.

Table III-28 NUMBER OF MEDICAL PROFESSIONALS2/

1960	1965	1970	1972	1975	
2 92	420	609	688	744	
54	66	94	112		
125	190		i	_	
124	280		_	-	
N.A.	N.A.	287	I	•	
N.A.	N.A.	24	28		
	292 54 125 124 N.A.	292 420 54 66 125 190 124 280 N.A. N.A.	292 420 609 54 66 94 125 190 171 124 280 163 N.A. N.A. 287	292 420 609 688 54 66 94 112 125 190 171 203 124 280 163 181 N.A. N.A. 287 331	292 420 609 688 744 54 66 94 112 145 125 190 171 203 285 124 280 163 181 167 N.A. N.A. 287 331 331

^{1/} The figures for 1970-1975 refer to the East Bank only.

^{2/} The figures for 1970-1975 refer to the East Bank only.

196. Health services now reach nationals in all governorates of the Kingdom. During the early years of the seventies three medical centres were established at Shobak and Wadi Musa, and work has started on a mental hospital in the Amman Governorate. In 1975, the Ancillary Medical Services Training Institute was inaugurated with an enrolment of 215 trainees, receiving training in the various ancillary medical services. Several public hospitals in Amman. Zerka and Irbia were expanded and residential quarters for nurses were constructed. The 550 bed Amman Civil Hospital, inaugurated in 1973, became the Jordan University Hospital and was attached to its medical school. The Royal Military Medical Services were greatly expanded. They now provide medical insurance to all families of Armed Forces Personnel. Statistics on Medical Services in Jordan reflect the remarkable expansion that has occured during the last five years. There are now 189 village clinics, 27 medical centres, 39 maternity and child care centres, 6 tuberculosis control clinics and 4 malaria eradication centres.

197. As can be seen from Table III-25, the value added in the Health Sector remained stable between 1960 and 1971. In 1976 it amounted to $J \otimes o$ millions.

198. The Five Year Plan, 1976-1980, allocated resources for the establishment of 11 new health centres, four new hospitals, the construction of new buildings for the nursing college, and the construction of a laboratory for controlling the quality of various drugs marketed in Jordan.

i) Tourism

199. Jordan is richly endowed with religious, archaeological and historical sites. The Government had been giving special attention to improve tourism because of its significant contribution to output and employment and to total earnings of foreign exchange.

200. Jordan's tourism has witnessed a phenomenal expansion until 1967. As can be seen from Table III-29 the number of tourists increased from 122 thousand in 1960 to 501 thousand in 1965, which resulted in increasing income from JD 3.2 million to JD 9.8 million. This expansion was halted by the 1967 June war, and the number of tourists dropped to 375 thousand in 1968 and 322 thousand in 1970. In 1976, the number of tourists rose to 1,063 thousand, and income from tourism amented to JD 21 millions in 1975.

201. Tourism investments in the years 1973-1975 exceeded JD 6 millions. These were spent mainly on expansion of hotel facilities in Amman and Aqaba and on the development of some tourist sites, such as Petra, Debbin, Jerash, Asraq, Ma'in Hot Springs and the Dead Sea Coast.

202. Before the June war of 1967, the majority of touriet accommodations were concentrated in the West Bank. After the June war, the East Bank of Jordan had to increase all types of tourist facilities. Consequently, there was a noticeable increase in the number of hotels, restaurants, etc., during the early years of the seventies. The number of hotels increased from 110 in 1974 to 123 in 1975. Tourism in Jordan is still in need for development and improvement in order to attract a greater number of tourists.

j) Pinance

Public finance

203. The Jordanian Government, faced with a host of political, economic, and military challengee, has managed, despite its limited financial resources, to meet its growing national responsibilities and allocate a significant proportion of its budget for development purposes. Realising the importance of institutional aspects to the development process, serious attention was duly given to the

Table III-29

NUMBER OF TOURISTS, BY MATIONALITY

(Thousand)

Mationality	1960	1965 1968 1970 1973 1975 1976	1968	1970	1973	1975	1976
Arabe	65.0	289.4	279.4	223.4	25.B. 6	=	1.746.1
Europeans	10.0	88		14 6			2 87
Americane	28.0	8	2.5	C	19.6	7 6	
Othere	8.6	69.7	77.5			× × ×	40.3
Total	121.7	501.3	375.4	321.7	- 1		707.6 1.063.4

1/Imquiries for 1960 and 1965 refer to both East and West Banks; thereafter thay refer to the East Bank only.

improvement and modernization of the government system. Existing institutions were strengthened and new ones established so that they could serve as effective agents and efficient vehicles of sustained economic growth and rapid social progress.

204. As can be noted from Table III-30, total government expenditures have steadily grown. They have more than doubled during the period 1968-1976, rising from JD 80.5 million in 1968 to JD 222.9 million in 1976. Of these, recurring expenditures have increased by 252.6 per cent in the same period, rising from JD 57.2 million to JD 144.5 million.

205. Capital expenditures also rose steadily during the same period, from JD 23.3 million in 1368 to JD 78.4 million in 1376, an increase which amounts to 336.5 per cent. Their share in total Government expenditures has consequently risen from 28.9 to 35.2 per cent, respectively.

206. Total Government revenues have likewise increased from JD 71.9 million in 1968 to JD 185.9 million in 1976, i.e., by about 258.6 per cent. This is largely attributable to the substantial growth in domestic revenues which almost quadrupled during this period, whereby they rose from JD 26.3 million to JD 117.5 million. The rapid rise in domestic revenues is attributed to a number of new fiscal measures and improvements in collection methods, in addition to the rise in national income and the resulting increase in imports and custom duties.

Money and credit

207. Considering Jordan's currency system and the economy's heavy dependence on foreign trade, monetary and financial developments have been instrumental in maintaining the internal and external value of money. Until 1964, the currency and monetary affairs of the

Table III-30

-37.0 110.5 13.5 78.4 **6.**0 144.5 222.3 1976 1.0 0.9 136.3 -16.2 203.4 73.1 1975 63.2 53.0 104.8 5.0 8.0 151.5 46.7 -26.4 13.0 1971 1972 1973 1974 SUMMARY OF CEMPRAL GOVERNMENT BUDGET, 1968 - 1976 (JD million) 113.5 78.6 40.9 6.8 2.8 4.0 -5.8 F14.5 101.5 70.5 31.0 5.0 42.6 44.5 7.4 1.1 5.0 0.1 35.8 88.1 60.7 -4-3 3.0 12.1 0.1 1970 4.2 59.0 30.3 -12.5 68.2 80.7 21.7 8.4 32.5 65.2 23.2 -12.1 1363 38.4 7.0 88.4 1368 26.3 5.4 -8.6 40.1 57.2 23.3 0.1 Expected loans and technical assistance Loans Repaid to Central Government .) I.M.F. (Compensatory Financing) Domestic and Foreign Loans Public Corporations Bonds Loans from Domestic Banks Foreign Borrowing Government Bonds CONTESTIC BORROWING URPLUS OR DEPICIT Foreign Grants Treasury Bills XPENDITURES Recurring Domestic Capital LEVENUES 1) SDRs

Kingdom were managed by the Jordan Currency Board and the Currency Control Department in the Ministry of Finance. The functions of the former were limited to issuing and redeeming local currency in exchange for sterling and investing the currency cover in British treasury bills and Government securities, whereas the latter was responsible for exchange control, including the issuance of currency permits and the stability of the external value of the dinar.

- 208. The need, however, was soon felt for the establishment of a Central Bank to design and manage monetary policies aimed at furthering national economic and social development. Law No. 4 for 1959, as amended in 1960, was accordingly promulgated and the Central Bank of Jordan commenced its operations on October 1, 1964. These laws were superseded by the Central Bank Law for 1966 which in turn was replaced by the Central Bank law for 1971. The main functions of the Central Bank are to regulate credit, issue currency, help maintain monetary stability, and act as a banker for banks and Government. The total assets of the Central Bank have increased from JD 58.9 million in 1966 to JD 107 million in 1970 and to JD 252.6 million in 1976.
- 209. Recent years have also witnessed a significant expansion in the number and scale of operations of private financial institutions. There are at present 12 commercial banks and 70 branch offices operating in the country. In the near future, two new commercial banks will operate, raising the total number of the commercial banks to 14.
- 210. Total assets of commercial banks rose from JD 70.3 million at the end of 1966 to JD 76.4 million at the end of 1970 to JD 301.5 million at the end of 1976. The sharp increase between 1970-1976 was due to the expansion in loans and advances, which was made possible by expansion in deposits of the private sector. Most of commercial bank credit has been confined to transactions related to internal commerce and external trade.

211. Meanwhile, existing specialized public credit institutions were re-organized and new ones created to augment the flow of adequate financial resources into priority sectors. The special and saving institutions are:

The Industrial Development Bank

The Housing Corporation

The Housing Bank

The Agricultural Credit Corporation

The Municipal and Village Loan Fund

The Jordan Cooperative Bank

The Post-Saving Fund

Money supply

- 212. The process of rapid growth in Jordan was accompanied by substantial monetary expansion, largely to finance progressively increasing levels of national output and partly to mest the changes in liquidity preferences. As can be seen from Table III-31, money supply increased from JD 47.1 million at the end of 1965 to JD 105.4 million at the end of 1970 and to JD 263.6 million at the end of 1976.
- 213. Currency in circulation and demand deposits increased by more than ten-fold during the period (1960-1976). Consequently, the proportion of dsmand deposits to money supply rose from 40 to 44.2 per cent during the five years, 1960 1965. In 1970, it dropped to 21.8 per cent, but again rose to 38.7 per cent.in 1976. This latter phenomenon is significant from the point of view of the development of banking habits, trading practices, and liquidity preferences of Jordanians, rainforced by their growing confidence in the national economy and its future prospects.

MONEY SUPPLY & QUASI-NONEY AT END OF YEAR (JD million)

Table III-31

	Currency	Currency held by Banks	Currency with	Demand Deposits	Money Supply	Quasi-money	Demand Depositi
	(1)	(2)	(3)=(1-2)	€	(5)=(3+4)	(9)	(7)
1960	ı	1	15.6	10.4	36. 0	1	40.0
1964	24.4	1.4	23.0	16.7	39.7	13.8	42.1
1965	27.6	1.3	26.3	20.8	47.1	17.0	44.2
9961	31.9	1.6	30•3	25.1	% .0	19.8	45.9
1961	53.0	1.5	51.5	23.7	75.2	18.8	31.5
1968	65.3	1.8	63.5	24.4	87.9	20.8	27.8
6%1	73.1	1.9	71.2	24.9	% .1	22.6	25.9
026	84.4	2.0	82.4	23.0	105.0	23.7	21.7
1761	84.6	1.6	83.0	25.0	108.0	27.1	23.1
1972	83.4	1.9	81.5	33.6	115.1	31.5	29.2
1973	99.5	2.1	97.4	41.8	139.2	36.8	30.0
1974	118.0	2.5	115.5	7.7	170.2	46.5	32.1
975	141.9	2.9	139.0	79.5	218.5	59.2	36.4
916	164.9	3.4	161.5	102.1	263.6	95.3	38.7

Chapter IV

INDUSTRIALIZATION POLICIES PURSUED AND INSTRUMENTS ADOPTED BY THE GOVERNMENT

A. Summary of Industrialization Policies

214. Basically, Jordan has adopted a policy of free enterprise with no government intervention unless it is found necessary. Consequently, the Jordan economy is overwhelmingly in the handsof the private sector. However, policies pursued and instruments adopted by the Government played an important role in formulating economic development, in general, and development of the industrial sector, in particular. Formulation of these policies was very much affected by the political and social conditions that prevailed in different periods:

The First Phase, 1948-1961

215. As a result of the 1948 events, Jordan faced difficult economic and demographic problems due to the great influx of Palestinian refugees. Within a short period, Jordan's papulation almost tripled without a corresponding increase in resources.

Consequently Government industrialization policy was concentrated on:

- 1. Building up of infrastructure
- 2. Protecting infant industries from external and internal competition through either the banning of imports of similar goods or the levying of high import and custom duties or through the restriction of licenses granted to internal competitors if the commodity already produced satisfies local demand and sold at reasonable prices.

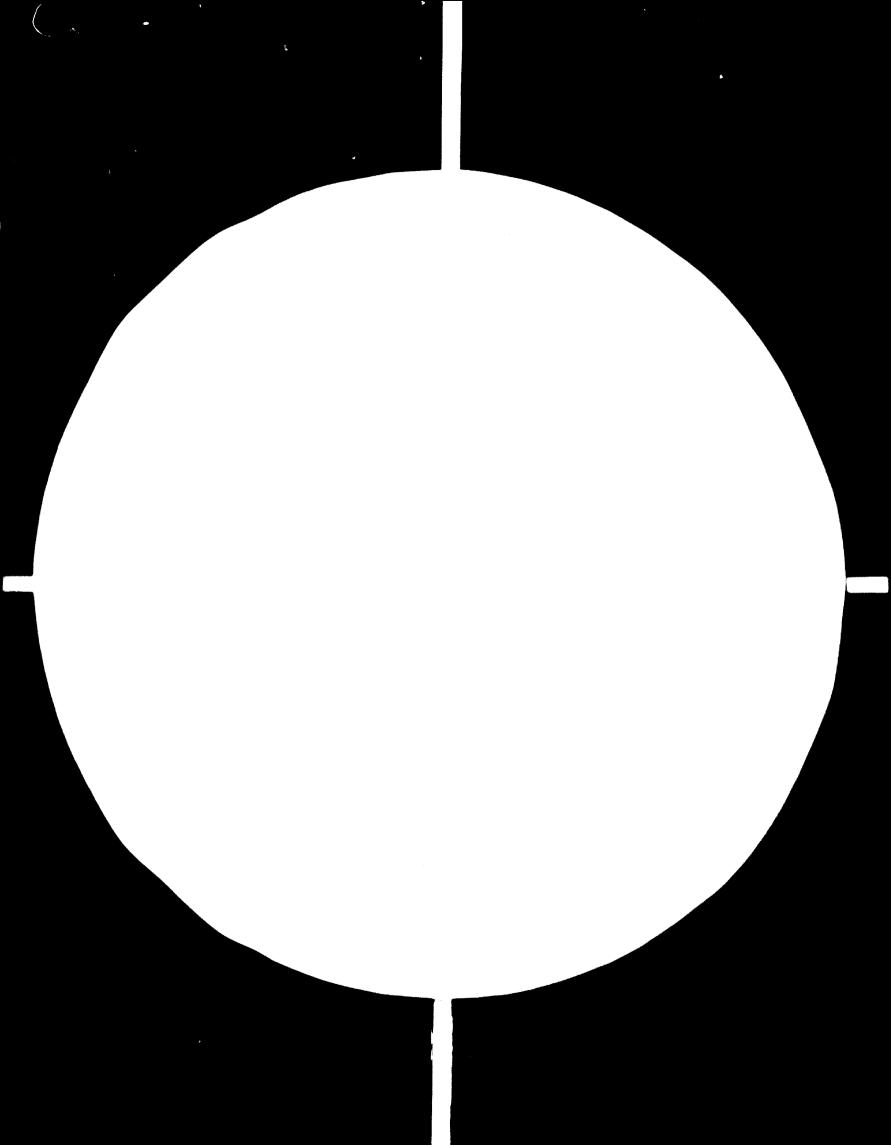
- 3. Encouragement of import-eubstitution industries.
- 4. Encouragement of labour-intensive industrial projects.
- 5. Encouragement of establishment of relatively large industrial enterprises through:
 - a) Granting of special concessional rights.
 - b) Government participation in share capital.
 - c) Extention of technical and financial aid to industrial firms whenever necessary including preparation of prefeasibility and feasibility studies.
 - d) Granting almost all local industries the incentivee and facilities incorporated in Law No. 27 of 1955 "Law of Encouragement and Guidance of Industry".

Instrumente adopted

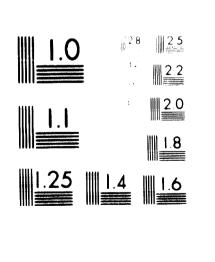
- 1. Enacting two laws, one for "the Encouragement and Guidance of Industriee", No. 27 of 1955 and the other for "Encouragement of Foreign Investments" No. 28 of 1955.
- Adoption of concessional laws to encourage the establishment of relatively large industrial chare-holding companies that exploit natural resources, i.e., cement, petroleum refinery, potash, tannery etc.
- 3. Putting into practice the policy of protecting and prohibiting the import of goods similar to those which locally produced.
- 4. Conducting pre-feasibility and feasibility etudies for potential industriee.
- Participating in the share—capital of relatively large industries which exploit available natural resources.

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The Second Phase, 1962-1966

216. Policies pursued

- Continuation of preparation of well developed projects that contribute to the enhancement of economic development, in general, and development of the industrial sector, in particular.
- 2. Continuation of the policy which left industrial development in the realm of the private sector.
- 3. Continuation of the granting private industrial enterprises generous incentives and facilities provided in the Law of "Encouragement and Guidance of Industry", No. 27 for 1955.
- 4. Encouragement of joint ventures.
- 5. Encouragement of the establishment of share-holding companies.
- 6. Encouraging of the establishment of labour-intensive industrial enterprises.
- 7. Maintenance and protection of vigorous industrial activities already started.

Instruments adopted

- Conducting pre-feasibility and feasibility etudies for
 potential industrial enterprises through the Jordan Industrial
 Development Center which was setablished for this purposes.
- Conducting courses in business management, accounting, time and motion etudies, maintenance, linear programming and industrial cost accounting, which were organized in oo-operation with UNIDO and ILO.
- 3. Establishment of the Industrial Development Bank.

- 4. Establishment of a Standard and Specification Bureau within the Ministry of National Economy.
- 5. Reorganization and expansion of the staff of the industry section in the Ministry of National Economy and elevation of this section to a directorate level.
- 6. Adoption of a new law for "Encouragement of Investment", No. 1 of 1967 to replace the old two laws "Encouragement and Guidance of Industry" No. 27 of 1955 and Law No. 28 "Encouragement of Foreign Investment" of 1955, and the establishment of the Jordan Investment Promotion Office (JIPO).

The Third Phase, 1367-1370

217. The 1967 June War resulted in the occupation of the West Bank, curtailment of the developmental thrust, rise in military expenditure at the expense of development efforts and suspension of a large number of projects included in the Seven Year Plan. Government efforts were dispersed, but policies adopted in the previous period were enforced and continued despite the political, social and economic instability. In this period, Government attention was focused on appraisal of the damage inflicted on the industrial sector as a result of the June War and the internal disturbances that prevailed during the whole period. Consequently, no new instruments were developed during this phase.

The Fourth Phase, 1973-1975

218. Policies Pursued

- 1. A rise in income accruing from the industry and mining sector from JD 21 million in 1971 to JD 35.5 million in 1975, or by 69 per cent.
- Fully utilizing idle productive capacities in existing industrial and mining enterprises, which range between 25-35 per cent of installed capacity.

- 3. Creating not less than 9,000 new job opportunities.
- 4. Realizing a better geographical distribution of industrial establishments in all regions of the country.
- 5. Realizing a higher degree of inter-relationship among industries, on one hand, and between the industry and mining sector and other economic sectors, on the other. Also providing for stronger industrial compatibility with Arab countries.
- 6. Raising the value of exports of industrial and mining products from JD 4.8 million in 1971 to JD 12 million in 1975, and encouraging the production of more import-substitute commodities.

Instruments adopted

- 1. In order to increase income generated from industry and mining sector, the Government established the Industrial Development Corporation whose functions included expansion and development of existing industries and the establishment of new industrial and mining projects in cooperation with the private sector. This was accomplished through the utilization of government equity in public share-holding companies as a revolving fund.
- 2. Revision of the Encouragement of Investment Law No. 1 of 1967 with a view to granting more incentives to industrial investment and encouragement, through the granting of more generous incentives of the establishment of industrial enterprises outside the Amman-Zerka area in order to insure better geographical distribution of these projects.
- Revision of the system of industrial licensing with a view to prohibiting duplication of existing industrial projects, protecting local industries through tariff rate manipulation, and enforcing standard specifications on locally produced commodities with a view to encouraging exports of domestic production.

- 4. Establishment of a special fund in the Industrial / Development Bank for extending loans to craftsmen and small-scale industries.
- 5. Conclusion of various bilateral and multilateral agreements with Arab States as well as foreign countries, in order to ensure preferential treatment for Jordanian imports into the markets of these countries.

The Fifth Phase, 1976-1980

219. In this period, policies pursued by the Government have undergone drastic changes due to the changes in objectives. High priority is being given to commodity-producing sectors and related infrastructural projects in order to correct the imbalance in the structure of the national economy and to disperse economic activity outside the densely populated areas. The ensuing changes would be instrumental in rendering the Jordan economy more capable of self-sustenance on the grounds that development should be effected from within the country, rather than through foreign assistance and partnership.

220. Consequently, the industrial and mining policies during this period would be to:

- 1. Increase income originating in this sector from JD 45 million in 1975 to JD 144 million in 1980.
- 2. Achieve bettsr geographical distribution of new industrial sites, as a contribution to regional development.
- 3. Devslop activities of this sector through:
 - a) Processing of local raw materials into finished products, where this is sconomically feasible, and exporting raw materials which can not be processed.

- b) Establishing and developing food industries, with particular emphasis on the processing of local agricultural products.
- c) Establishing new processing industries and expanding existing ones with a view to producing import-substituting consumer and intermediate goods as well as export-oriented commodities.
- 4. Achieve greater degree of integration and interaction among local industries within the sector and between the industry and mining sector and other economic sectors.
- 5. Increase domestic exports of industrial and mining products from JD 33 million in 1975 to JD 150 million in 1980.
- 6. Continue the geological studies on prospective local raw materials in order to determine exploitation feasibility; and concentrate efforts on oil exploration in various parts of the country.

Instruments adopted

- 1. Confine the functions of the Natural Resource Authority
 to the exploration of mineral deposite, oil, natural gas,
 and water; conducting related research and preliminary technical
 etudies to determine exploitation possibilities; and design
 and implementation of irrigation projects in the high lands.
- 2. Establish, within the Natural Resources Authority, a epecialised technical division to explore for oil and natural gas.
- 3. Establish a committee to re-examine the customs tariff etructure with a view to making it more conducive to the establishment of local industries, through the exemption of primary raw materials from custom duties. This is designed to put local production on an equal footing with similar industrial producte imported from countries which enjoy epecial examptions either by virtue of economic agreements

or of the provisions of the Arab Common Market.

- 4. Frovide incentives to export-oriented industries. Such incentives would call for simplifying procedures for temporary entry of raw materials and for permitting rebates proportionate to exports, calculated on the basis of a formula developed for each industry.
- 5. Demarcate industrial estates and zones in each of Amman, Zerka, Irbid, Salt, Agaba and other regions, and provide these regions with electricity, water and other infrastructural facilities, including housing. Special exemptions will be given to industries which move into such zones.
- 6. Modify industrial licensing p ocedures in order to allow industries to be established regardless of duplication; license industries involving less than JD 25 thousand in machinery without requiring feasibility studies and simplify licensing procedures and requirements.
- 7. Continue the Government practice of taking initiative in regard to the setting-up of productive projects in various fields and participation in their capital.
- 8. Enforce standard specifications and control procedures with regard to national industrial products.
- 9. Modify the Encouragement of Investment Law No. 53 of 1972 with a view to:
 - a) Providing additional incentives to export-oriented projects.
 - b) Permitting individual foreign investors to establish industrial export—oriented projects either on their own or through unlimited participation with local capital.
 - c) Providing additional privileges and incentives to industries which produce primary and/or intermediate products for use in existing industries.
 - d) Giving greater incentives to public share-holding companies.

- 10. Review the role of the Industrial Development Bank with a view to enhancing its effectiveness in industrial development.
- 11. Augment the staff of the Amman Chamber of Industry so as to enable it to answer inquiries related to industrial investments.
- 12. Set-up a vocational and handicraft training fund, and encourage the establishment of cooperative societies for handicraftsmen with a view to enabling them to obtain the necessary financing.
- 13. Exert every effort in the area of Arab industrial coordination and cooperate with other Arab countries to implement technically and economically viable joint industrial projects.
- 14. Hold an industrial fair as soon as possible.

B. Industrialization Policies

Introduction

- 221. Industrialization policies pursued and instruments applied by the Government of Jordan contributed considerably to economic development, in general, and to industrial growth in particular.
- 222. As a matter of convenience, and in order to present a systematic and historic evolution of industrial policies pursued by the Government, it may be necessary to categorise the 1948-1976 period into five distinct time phases.

The First Phase, 1948-1961

A. Industrial investment climate

223. The difficult economic and demographic problems which faced Jordan as a reult of the 1948 events led to great repercussions in the social and political life of the country, as most of the Palestinian refugees who sought refuge in Jordan, were relatively poor. Considerable government resources were diverted from economic development for relief to displaced people and for establishing refugee camps. The first few years that followed the 1948 events witnessed economic stagnation and political instability which continued until 1952 when the Government, with the help of Arab states, friendly countries and UNRWA, began to focus its efforts on building infrastructural projects and providing jobs for a large number of people. Jordan, which was regarded as one of the least developed countries in the world, had a very low per capita income which did not encourage investment in industrial enterprises. The persistent need for building materials to house refugees, for food and clothings, has led to the establishment of very small industrial ventures, ecattered haphazardly, mostly located in residential areas.

B. The role of the private sector

224. Potential industrial investors in Jordan were limited to a group of merchante who were not very used to quick returns on their investments. However, the heavy demand for building materials convinced few of them to participate in establishing a relatively medium size plant for the production of cement whose raw materials were available locally. The authorities, represented by the Ministry of National Economy (established in 1952) decided to participate in the share capital of the proposed project up to 49.5 per cent and a public shareholding company with concessional rights emerged.

225. Having succeeded in establishing a relatively medium sized industrial plant for the production of cement, the private sector, led by the merchants class, realized in 1956 that the establishment of a petroleum refinery would also be a viable venture. With more Government support and encouragement, a similar procedure was followed and a more generous concession was granted to the public shareholding company that was formed to implement this important and vital project. On the basis of the merchants' unanimous agreement, government participation in the share equity capital of this company was limited to only 16 per cent. The petroleum refinery started production in 1961.

226. Throughout the twenty-year period that followed the establishment of the first relatively large industrial enterprise, the private sector followed similar prodedures in establishing other industrial plants, and was granted concessional rights, including the privilege of exempting imports of raw materials, machinery and equipment, transport facilities, etc. from customs duties.

C. Policies pureued by the government

227. During the 1948-1961 period, Governmentsrole had been limited to the following:

- 1. Providing various forme of protection to infant industrial establishments through the manipulation of tariff duties lavied on similar imported products. Some of these protective devices were prohibitive, while others were quite high.
- 2. The banning of import goods which are similar, or even substitutable, to those produced by public shareholding companies that enjoy concessional rights; and whenever the production of those companies fell short of eatisfying domestic demand they alone had the right to import the quantities which are in short supply provided that these are sold at prices agreed upon between the Government and the importing company.

- 3. The granting of full protection, including the banning of imports of similar or substitutable goods, to smaller industrial enterprises provided that these companies are able to satisfy local demand at acceptable prices and quality.
- 4. Refraining from interfering with the private sector and affording it all possible help and advice.
- 5. Maintaining the confidentialness of all information relevant to local industries.

D. Instruments adopted by the government

- 228. 1. Having given the industrial sector the highest priority, the Government enacted two laws:
 - a) Law No. 27, for 1955 "Encouragement and Guidance of Industry"
 - b) Law No. 28, for 1955 "Encouragement of Foreign Investment"

These two laws were replaced by Law No. 1 of 1967 "Encouragement of Investment".

- 2. An industry section was established as an integral part of the Ministry of National Economy. At the outset, this section was staffed by three officials; a chemical engineer, an economist and a cost accountant. One of the main functions of this section was to study license applications and appraise industrial projects.
- 3. Various exemptions were granted to industries in accordance with the provision of the Law No. 27 mentioned above. These exemptions were granted either fully or partially to most industrial firms. They included, among other things, exempting industry from various types of taxes (income, buildings, and social welfare) for a period of four years, and exempted imports of needed machinery from customs duties.

- 4. The Economic Development Committee which was formed in accordance with the provisions of Law No. 27 for Encouragement and Guidance of Industry, acted as an advisory committee on measures to be adopted for accelerating the growth of industrial development.
- 5. The Government conducted a number of feasibility studies for major industrial projects. The costs of these studies were considered as part of the Government share in the capital of the companies that were subsequently formed.

E. Results

229. By 1961, the year which represents the end of this period, local industrial production rose from an almost insignificant figure to JD 26 million, of which JD 1.8 million was exported. Since unemployment was high, the Government encouraged labour intensive projects and took the number of jobs provided by any projects as a yardstick for the viability of that project.

The Second Phase, 1962-1966

A. Economic Metting

- 230. In the early part of 1962, a Five-Year Plan was prepared for the economic development of the country. The Plan aimed at fostering the rate of growth in all sectors of the economy. Later, a decision to reduce Jordan's dependence on foreign budget support necessitated revision of the Plan and adoption of the targets aimed at attaining self-sufficiency through:
 - 1. A major reduction in the external balance of trade deficit and a rise in per capita income, at a rapid rate if possible.
 - 2. Creation of new job opportunities with a view to reducing the level of unemployment.

- 231. The Seven-Year Programme reversed the order of importance of the goals of the earlier Five-Year Programme, namely raising the levels of income and employment, and reducing the deficit in the balance of trade. The new Programme gave the manufacturing sector a new thrust. It emphasized the importance of encouraging the establishment of industrial import-substitution and export-oriented projects with the aim of reducing the external balance of trade deficit.
- 232. The twin disadvantages that Jordan suffers from, namely, the smallness of the local market and the limitation of natural resources, were thought to be offset by the advantages inherent in the economy, i.e., the ready adaptability of its labour force, and the stability of its prices and rates of exchange.

B. Industrial development climate

233. Under the Seven-Year Programme for Economic Development, import substitution and export-oriented industries continued to receive Government support through tariff rate concessions or import banning of goods similar to those produced locally. The application of the Law of Encouragement and Guidance of Industry which granted exemptions from taxes on imported machinery and income to most industries established during this period gave this sector new impetus. The overall industrial development climate was therefore suitable for industrial development, particularly after many infrastructural projects had been completed.

C. The role of the private sector

234. With an acceptable development climate brought about by political and economic etability, coupled with Government support, the private sector took new initiatives in establishing industrial projecte, and the merchant class formed a nucleus for the evolution

of industrial enterpreneurship in the country. Public shareholding companies continued to be formed for the establishment
of relatively large industrial projects, benefitting from concessions
similar to those granted in the previous period. Practically all
industrial development was left to the private sector, as the
Government had no intention of competing with the private sector in
this domain. Few industries were set up as franchised ventures with
foreign collaborators, such as Amstel and Henninger Beer, Worsted
Mills with Hield Brothers of England, Animal Feed with Profima, etc.

D. Policies pursued by the government

- 235. The Government has consistently attempted to maintain a policy which is consistent with the following general principles:
 - 1. Preparing well developed industrial projects that contribute to the enhancement of economic development.
 - 2. Maintaining economic development, in general, and industrial development, in particular, within the realm of the private sector.
 - Encouraging private industrial enterprises by granting generous incentives.
 - 4. Encouraging joint ventures.
 - 5. Encouraging the establishment of shareholding companies.
 - Maintaining and protecting vigorous industrial activities already started.

E. Instruments adopted by the government

1. Feasibility studies

236. The Government continued to conduct feasibility studies for

various prospective industrial projects that depend on the exploitation of available natural resources.

2. The Industrial Development Centre

An Industrial Development Centre was established in the Ministry of National Economy to train technically competent personnel. The Centre, which was mainly staffed by UNIDO and ILO (with local counterparts) conducted courses in business management, accounting, time and motion studies, maintenance, linear programming and industrial cost accounting.

3. The establishment of the Jordan Industrial Development Bank

The major source of credit to new and expanding industries in Jordan at that time was the Industrial Development Fund. The Fund had an excellent record for providing industrial loans with a very high rate of repayment, but its financial resources were very limited and worked on revolving fund basis. Because of the limitations imposed on the Fund, a new institution with relatively much more financial resources had to be created. As a result, the Jordan Industrial Development Bank (JIDB) was established in 1965. It had been organized to assist the development of privately-owned and managed enterprises, by providing medium and long-term loans or equity financing in major industrial public share-holding companies.

4. Adoption of the "Encouragement of Investment Law" No. 1, for 1967

239. At the beginning of 1967, a new law for the encouragement of investment was enacted to replace the 1955 laws. The new legislation gave relatively more generous exemptions and

facilities and provided for the expatriation of foreign investment. The main purpose for enacting this law, however, was to extend the income tax holidays to local industrial and other projects so that these can attract foreign investment which the 1955 legislation failed to achieve.

- 240. 5. The setting-up of a standards bureau within the Ministry of National Economy.
- 241. 6. Re-organizing and expanding the industrial section in the Ministry of National Economy and elevating it to a directorate level.

F. Results

- 242. The economic achievements of this phase (1961-1966) were expected to render Jordan as a self-sustaining economy, but the June War of 1967 arrested this development momentum and created far reaching economic and social problems. During this period, however, Jordan's economy continued to grow rapid. GDP increased at an annual average rate of 8.3 per cent, rising from JD 109 million in 1962 to JD 150 million in 1966. Although money supply continued to increase at high rates, relative price stability was maintained throughout the period which led to a real increase in per capita GDP of about 3 per cent per annum.
- 243. Industrial income grew at rates higher than those realized in the first phase. The value added generated in this sector increased at 15 per cent per annum. The fixed access of the industrial sector rose from JD 6 million in 1959 to JD 20 million in 1965. As a result, this phase witnessed a relative decline in imported consumer goods and sizable increase in imported raw materials and intermediate goods.

244. Industrial growth has been marked by its concentration on a few industries that produce import-substituting commodities which enjoy a modest market demand. Most of these industries have been given a chance to grow under a government umbrella, and in the face of negligible internal competition. The smallness of the market, the scarcity of raw materials and the imposition of administrative and exchange controls on imports by some neighbouring Arab countries have been the prime reason for the hesitation of the private sector to invest higher levels in industrial activities.

245. During this period, the industry sector remained to suffer from lack of a stable policy and a comprehensive set of regulations necessary for the errection of a solid industrial bass, because the new instruments adopted by the Government were implemented almost at the end of this phase. Moreover, industrial projects were plagued with low productivity, small size, and a lag in the application of modern management and advanced marketing techniques. Throughout this period, under-utilization of productive capacities was a persistent problem facing industry.

The Third Phase, 1967-1972

A. Investment Climate

246. The first five months of 1967 were a continuation of the accelerated momentum of economic development in which the industrial sector played a primary role as it attained an average annual growth rate of 16 per cent. The 1967 June War, however, stagnated all forms of economic life in the country and military mobilisation curtailed development efforts and industry unexpectedly lost half of its natural market as a result of the occupation of the West Bank. The private sector was reluctant to invest or to establish new factories or expand existing ones. The brain drain and labour emigration

increased, especially as a result of higher wages outside Jordan. Political instability in the region made the attraction of foreign and even local investment in industry quite impossible. The internal disturbances were disasterous to economic development in general and industrial progress in particular. Under these conditions of obscure future expectations, economic development declined and the annual growth rate of the industrial sector declined from 16 per cent to 5.2 per cent.

B. The role of the private sector

247. Under such conditions, the non-war no-peace dilemma with its political and military implications, and the internal urest which was due to the continued occupation of the West Bank, potential local and foreign investors were reluctant to take new moves. Prices and wages also started to rise. The closure of the Syrian border, coupled with the closure of the Suez Canal, had adverse repercussions on the whole economy, especially on the exportation of phosphate to European markets and on the imports of raw materials and intermediate products needed for industrial production, as most of the inventories in Jordan were already exhausted.

C. Policies pursued by the government

248. Occupied with the mobilization of resources for military purposes, the Government in this period did not pursue any new industrial policy with the exception of the evaluation of damages incurred as a result of both the June War and the 1970 internal dieturbances. Many small and medium sized industries were either totally demolished or partially damaged. Total lose in the industrial ecctor in fixed assets was estimated at over JD 2 million. The Government, however, continued to pursue policies described in the previous phase and made some efforts to etabilize prices.

D. Instruments adopted

- 24). 1. Mobilization of efforts to meet the new circumstances resulting from the occupation of the West Bank which used to form an important part of the local market, including the encouragement of exports.
 - 2. Repair of the infrastructure destroyed during the War and the 1770 internal disturbance.
 - 3. Study and appraise damages inflicted on industrial establishments.
 - 4. Continued adoption of the policies outlined by the Covernment in the preceding period.

E. Results

- 250. 1. Restlessness and political instability which characterized this period led to a decline in all aspects of economic development. The annual rate of growth in the industrial sector declined from 16 to 5.2 per cent at current prices, and by one per cent at constant prices.
 - 2. A rise in wage rates resulting from the emergence of political consciousness among the ranks of the labour force.

The Fourth Phase, 1973-1975

A. Investment climate

251. Emerging from the bitter experience of the preceding period, the country gradually began to restore to normal conditions. By 1973 the Government was able to formulate the Three Year Development Plan, which injected into the economy a new thrust and helped to pave the way for regaining confidence in the future development of the country. Industrialists took new initiatives, and expansion and renovation of existing industrial establishments and erection and implementation

of new projects that were studied in the period preceding the war formed the main features and characteristics of this period. Revival of industrial activity was unprecedented and exceeded the rates of growth achieved in previous periods. The annual growth rate in the industrial sector rose 23 per cent, which exceeded by fur the growth rates achieved in the past.

200. The phenomenon of a rising cost of living emerged quite markedly in this period. The cost of living index for low income earners in the city of Amman rose from 129.4 in 1972 (1)67 = 100) to an estimated 185 in 1975, or at an average rate of 12.2 per cent per annum. This price inflation had adverse effects on the equitability of income distribution.

B. The role of the private sector

253. The sudden increase in the prices of industrial raw materials and intermediate products, imported mainly from Europe and in local wages were reflected on the costs of industrial goods produced in Jordan for local consumption and for export. As a result, a substantial increase in the cost of living was experienced. The costs of new industrial investments, especially those of fixed assets grew at a rate exceeding 25 per cent per annum. Although potential investors, who anticipated a continuous rise in the cost of machinery were willing to confirm their previous orders for the purchase of machinery, domestic capital, on the whole, was more inclined to invest in quickmeturn projects of commercial or real estate nature, rather than in industrial development projects.

254. The problems that faced industrialists in this period were numerous: most important of these are:

- 1. The existing wide gap between production of the large and small industries. The average value added per worker in industries that employ 200 persons or more was estimated at JD 830 per annum as against JD 288 per annum in smaller industries.
- Dependence of domestic transforming industries on limited local market.
- 3. Under utilization of productive capacities.
- 4. Shortage of semi-skilled labour
- 5. Weakness in inter-industry integration, on the one hand, and in sectoral coordination on the other hand.
- 6. Lack of technical know-how to upgrade the quality of domestic production.
- C. Policies pursued by the government
- 255. The goale of the industrial and mining sector, as perceived in the Three-Year Plan, 1972-1975, may be summarized as follows:
 - 1. An increase in income accruing from industry and mining from JD 21.0 million in 1971 to 35.5 million in 1975.
 - 2. Making full use of underutilized capacities in existing industrial and mining enterprises, which ranged between 25 and 35 per cent of installed machinery in 1971.
 - 3. Creating about 9,000 new job opportunities during the plan period.
 - 4. Realizing a better geographical dietribution of industrial establishments in the Kingdom.
 - 5. Realizing a higher degree of interrelationship among industries, on the one hand, and between the industry and mining sector and other economic sectors, on the other; in addition to providing for stronger industrial compatibility with Arab countries.

6. Increasing the exports of industrial and mining products from JD 4.8 million in 1971 to JD 12 million in 1975, besides participating in the production of import-substitute commodities.

D. Instruments adopted

256. 1. Establishing an Industrial Development Corporation.

Early in 1973 the Industrial Development Corporation was established. The objectives of this Corporation were to expedite industrialization activities in the Kingdom, and encourage the utilization and development of resources.

257. 2. Providing additional incentives for investment promotion.

The Encouragement of Investment Law No. 1 of 1967 had to be revised with the objective of including additional facilities and exemptions extended to all development projects in the fields of industry, tourism, land reclamation and transport.

The new law was designed to encourage the establishment of industrial public share holding companies and of new industrial and other projects outside the Amman-Zerka area in order to decrease the rate of rural migration into urban areas. The new law also incorporated provisions for the granting of adequate guarantees against non-commercial risks and for the establishment of an Investment Promotion Directorate in the Ministry of National Economy.

- 258. 3. Revising the bases for industrial licensing along the following major elements:
 - a) Prohibiting the satablishment of new industries with a fixed capital (machinery and equipment) exceeding JD 20,0001

I/ This figure has been raised to JD 50,000 in view of inflated prices of machinery and equipment, while the period during which implementation is to take place has not been specified due to variations in the nature of projects. Applicants are, however, given a period of six months to inform the Ministry of Industry of the steps that have been taken in regard to the implementation of their projects.

unless an adequate conomic feasibility study is prepared. When final approval is granted, a specified period for implementation must be started.

- b) Complying with the conditions in regard to the manufacture of the product and the location stipulated in the license granted.
- c) Unconditionally permitting the establishment of other industries if the capital allocated for machinery and equipment in these industries does not exceed JD 5,000, provided that no large-scale industry is split up into smaller units for the purpose of benefitting from this provision.
- d) Prohibiting the duplication of industry unless the proposed one if of the export oriented type or the existing factory is unable to satisfy local demand.
- e) Adopting a policy for the protection of industry through tariff manipulation.
- f) Exempting from custom duties all imported machinery and equipment needed for the establishment of new industries or for expanding existing ones.
- g) Setting-up and enforcing internationally recognized standard specifications aiming at ensuring good quality of local products.
- h) Requiring that public sector's purchases to be confined to local industrial products as long as they conform with applicable specifications provided that their prices do not exceed those of similar imported products by more than 10 per cent.
- i) Expediting the application of the industrial register system in the Ministry of National Economy.
- j) Issuing special regulation governing industrial safety.

- k) Encouraging the merger of small industries.
- 1) Establishing a special fund in the Industrial Development
 Bank for extending loans to craftsmen and small industries.
- m) Establishing industrial zones in all regions and especially in the Amman-Zerka area, in Irbid, Salt and Agaba.
- n) Increasing the efficiency of labour in industry through professional and on-the-job training.
- o) Requesting industrial companies and establishments with equity exceeding JD 10,000 to adopt industrial cost accounting.

L. Results

259. In the years 1973-1975, the industrial and mining sector in the East Bunk expanded faster than envisaged in the Three Year Plan. Income from this sector (at current prices) rose from JD 21 million in 1972 to an estimated JD 45 million in 1975 (JD 8 million of this was due to an increase in phosphate prices), or at an average annual rate of 32.5 per cent. In addition, the sector's contribution to GDP rose from 11.1 per cent in 1972 to 14.8 per cent in 1975. Employment in this sector increased by approximately 8 thousand workers (from 19-27 thousand persons).

260. The Industrial Development Corporation which was set up by virtue of law No. 31 of 1973 was later abolished and replaced by the Department of Studies and Investment Promotion in the Ministry of National Economy (later re-named as the Ministry of Industry and Trade). So far, government funds which have tied up on shares and which were intended to serve as a revolving fund for the development of new industrial projects have not been utilized in the manner in which they were originally conceived.

The Fifth Phase, 1376-1980

A. Industrial investment climate

261. This phase may be characterised as a transitional period during which the country is expected to concentrate on establishing highly productive industrial projects, based on the exploitation of domestic available and proven raw materials and on projects that are complementary to the huge industrial complexes that are being built or expected to be established in the rich oil Arab States. These industries are planned to produce accessories that will be needed for these complexes.

262. As per capita income is rising at a rate higher than the average rate recorded in the cost of living index, savings and investment are likely to rise. One of the means that the Government is using to fight inflation is the issuance of Government bonds and securities. Savers, however, seem to be quite enthusiastic about investing their funds in industrial public share holding companies or in the relatively large-scale industrial projects that are to be established for exploiting local raw materials, such as the potash, or in projects designed for expanding the production of cement, refining and phosphate fertilizers.

263. The following table shows that a relatively large number of industrial projects have been licensed by the Ministry of Industry and Trade in the first two years of this period:

	1975	1976
No. of establishments	82	201
No. of workers	2,424	6,172
Estimated capital requirements (million)	8	18

- 264. In addition, 300 small establishments with a capital of less than JD 5,000 allocated for machinery were registered during 1976.
- 265. The main reason for this relatively high rate of industrial activity witnessed in this period is the decision of the Government to relax its policy regarding prohibition of duplication, the potential for growth in exports to the neighbouring oil-producing Arab States and the encouragement of the establishment of export-oriented industries.

B. The role of the private sector

- 266. The private sector continued to play an important role in economic development. Most, if not all, economic activities are in the hands of local businessmen and entrepreneurs.
- 267. The relaxation of many industrial restrictions resulting from the drastic change in Government industrialization policy had given the industrial sector new momentum and a competitive spirit unprecedented in the history of industrialization of Jordan. Industrial activity picked up a new rate of growth at the beginning of 1975 and is expected to continue to grow as long as there are export potentials for domestic production.

C. Policies and organizational measures

268. 1. Reduction in tariff rates levied on imported industrial raw material

In order to enable industry to face the competitive challenge created by the reduction of tariff rates on similar imported goods, most of these are imported free of duty from member states of the Arab Common Market. The Government announced, on 15 March 1977, the reduction of duties on a number of

raw materials to 6 per cent of CIF value (4 per cent as an import tax and 2 per cent as additional fees), as well as on all imports of machinery and equipment.

20%. 2. Export promotion

power of the population, on the one hand, and the importance of economies of scale, on the other, industry in Jordan had to look for potential markets not only in the neighbouring Arab countries, but also in other parts of the world where Jordanian products might have a comparative advantage. A suggestion has, therefore, been made to the Government for granting export-oriented industries exemptions and facilities directly proportional to their total exports and for simplifying the temporary entrance measures for their raw materials. Studies are being conducted with a view to determining the best means for adopting such a policy.

A second proposal suggested that the Government should consider the adoption of a policy which aims at permitting the duplication of existing industrial projects (with the exception of those that are protected by special concessions) and that, in all cases, unconditional licensing should be granted to all industrial enterprises established for export purposes regardless of their number. However, in cases where Government is a share-holder, studies are to be conducted for ascertaining whether potential export markets exist. The proposal indicated that, as a general rule, licensing should be granted to industries whose machinery costs do not exceed JD 20,000, and that permission for expansion should be automatically given upon request. This policy has been adopted recently. At the same time, the proposal suggested that a suitable antitrust legislation should be enacted in order to encourage industrial enterprises whose capacities exceed the quantities needed to satisfy local demand, to seek outside markets for their products.

270. 3. Farticipation of the government in industrial companies

The Government currently holds shares in 21 local industrial companies with a total value of around 3D 12 million.

While it is understood that the main objective of the Government's contribution to capital formation is to support these industries during their early stages of development, none of these snares, however, has been sold and re-invested in new development projects. Since most of these companies have passed this stage and are not in real need of these contributions, it has been suggested that Government shares should be sold gradually and re-invested in new industrial enterprises that:

- a) produce strategic goods, such as cement, vegetable ghee;
- b) are basic and infrastructural, as electric power generation and distribution:
- c) exploit local raw materials, such as fertilizers and mining;
- d) viable but, for one reason or the other, local entrepreneurs hesitate or refrain from investing in them, or fail to cover the total capital cost of these industries.

271. 4. quality control and standards

The Standard and Specifications Department in the Ministry of Industry and Frade is not being fully utilized because its laboratories are not yet ready to enable it to enforce set standards and specifications, giving due consideration to local conditions and technical know-how. The Government of Jordan is mindful of the extreme importance of providing the Standards and Specification Department with all the facilities in order to enable it to start functioning as soon as possible. It is expected that this Department will be in full operation by the end of 1977.

272. 5. Foreign investments

In spite of the fact that the first law for encouragement of foreign investments was enacted as early as 1955 and amended twice in 1967 and 1972, results were not encouraging and foreign investment did not find its way through Jordan's industrial sector at an acceptable rate. A new draft law has been prepared with a view to providing more generous incentives to industrial investments, especially to foreign investment and to investments which contribute to the distribution of development projects in the underdeveloped areas of the country, particularly in the southern region. A draft law had been formulated and it is now awaiting approval of the Council of Ministers.

273. 6. Industrial cost accounting

Industrial cost accounting has been the main problem facing Jordanian industries as these have been following various systems of accounting. It is now suggested that industrial firms, with allocations for machinery and equipment exceeding JD 10,000, should follow a standardized system for cost accounting approved by the authorities concerned.

Chapter V

PROJECTIONS OF FUTURE DEVELOPMENT

A. Projections of future development

1. Human resources

274. Population of the East Bank of Jordan is estimated at 2.018 million (1976). Since no new population census has been conducted since the 1961 census, estimation of population growth in the East Bank was calculated on the basis crude birth and death rates together with estimation of the population influx from the West Bank resulting from the 1967 June War. It is believed that the high rate of growth in population which prevailed in the early seventies may decline moderately in the coming 25 years to 3.1 - 2.7 per cent per annum.

275. Despite the ever decreasing mortality rate due to the special attention given to public health, and mother and child care, it is assumed that future rates of growth will follow the pattern shown in Table I-1.

276. Percentage distribution of population according to age structure in the period 1970-1976 is shown in Table V-2 below. The figuree indicate, among other things, that a sizeable increase in the economically

^{1/} Crude birth rates ranged between 46-47 pmr thousand while death rates averaged 16 per thousand which gave a natural growth rate of population of 3.0 to 3.1 per cent during the early sixtise and 3.4 to 3.6 per cent during the early seventies. The influx of population from the West Bank to the East Bank of Jordan, because of the 1967 June War, was estimated at 400,000 persons.

Table V-1

DETERMINANTS OF POPULATION GROWTH (1980 - 2000)

	Centide	Crude Repth Rate per 1000	1000	Crude	Het	rate of	growth	Projec	Met rate of growth Projected Population	lation
- Tee	Constant	nt Slightly Decreasing	Decreasing Fartility	Death Rate)))	(000)	
		sing Fertility		1000	High	High Med.	1.0 W	High	Most Likely	Low
.980	46	42	40	11	35	31	62	2318	2274	2253
985	46	40	37	01	36	30	27	2765	2636	2573
0661	46	38	*	6	37	5.3	25	3315	3042	2310
3661	46	36	æ	x 0	38	28	22	3335	3492	3245
000	46	Ŗ	56	_	39	27	13	4 838	3988	3566

active population is anticipated within the next 25 years, as the age groups of i=14 and 15=3) years constituted in 1976 84.6 per cent of total population, or a total of 1.7 million. These will be economically active at one period or another in the different time phases of the projection period.

Table V-2 PLRCEL TAGE DISTRIBUTION AGE STRUCTURE OF POPULATION

Age Group	1961	1970	1973	1)74	1975	1976
0 - 4	17.8	17.5	17.8	18.8	19.1	13.3
5 🗕 🕖	14.8	17.7	15.0	17.5	17.5	17.4
10-14	12.4	15.4	15.0	15.2	15.3	15.4
15 - 3)	37. →	33.2	32.7	32.6	32.3	32.5
40-64	13.4	13.4	13.3	13.0	13.1	13.2
65+over	3.7	2.8	2.6	2.3	2.7	2.2
nll ages	100.0	100.0	100.0	100.5	100.0	100.0
nll ages		I	1	1	l	-

277. Since Jordan's population, according to projected rates of growth, is expected to be around 3.988 million by the year 2000 and in view of the expected gradual shift of the various age groups, the distribution of age structure of the population during the different time phases of the projection period is visualized in Table V-3.

Table V-3 PERCENTAGE AND PROJECTED DISTRIBUTION AGE STRUCTURE OF THE POPULATION

Age	1	.980	19	85	19	90	199	5	20	000
Group	%	No.	1/6	No.	70	No.	%	No.	<i>j</i> 0	No.
0 - 4	19.1	435	19.2	504	19.1	582	18.5	646	18.6	741
5 - 9	17.5	398	17.5	461	17.8	540	17.2	601	17.3	690
10-14	15.3	347	15.2	402	15.8	480	16.1	562	16.2	646
15-39	32.3	734	32.4	852	32.5	3 90	33.0	1152	33.2	1324
40-64	13.1	298	13.0	345	12.1	367	12.5	436	12.2	487
65+over	.1 2.7	62	2.7	72	2.7	83	2.7	95	2.5	10 0
Total	100.0	2274	100.0	2636	100.0	3042	100.0	3492	100.0	3988
	<u> </u>	·	ļ							_

278. Not all of the age groups, 15 - 64, are economically active, as a large portion of the population in the age group 15 - 19 is attending school (more than 70 per cent) and women have a low rate of participation, estimated at 10 per cent of total labour. Together, these drastically reduce the size of the available labour force. Concentrated efforts are being made to encourage women to participate in the developmental activities of the country. The anticipated number and percentage of labour, according to age groups, is shown in Table W-4 below.

Table V-4 PERCENTAGE AND NUMBER OF LABOUR FORCE BY AGE GROUPS (Percent; thousand)

1 975	1980 No.	1985	No.	1990	No.	1995	No.	2000	No.
4 0	41 301	43	349	45	446	48	553	51	675
37	38 113	39	131	40	147	41	179	43	209
18	18 11	17	13	16	13	15	14	14	14
	40 37	40 41 301 37 38 113	40 41 301 43 37 38 113 39	40 41 301 43 349 37 38 113 39 131	40 41 301 43 349 45 37 38 113 39 131 40	40 41 301 43 349 45 446 37 38 113 39 131 40 147	40 41 301 43 349 45 446 48 37 38 113 39 131 40 147 41	40 41 301 43 349 45 446 48 553 37 38 113 39 131 40 147 41 179	40 41 301 43 349 45 446 48 553 51 37 38 113 39 131 40 147 41 179 43

- 279. The anticipated increase in labour in the age group 15 39, from 40 per cent in 1975 to 51 per cent in the year 2000, is based on the assumption that women participation in this age group would increase from about 8 per cent to about 20 per cent in the year 2000.
- 280. Due to the large doses of developmental activities that are being launched and to the outflow of highly skilled and semi-skilled labour to the neighbouring oil-producting Arab countries, the projected labour force may not be sufficient to cope with all developmental requirements. Jordan may have to import semi-skilled and unskilled labour during the coming generation. The influx of cheap labour may cause productivity to fall. In order to combat this problem, Jordan would eventually have to encourage capital-intensive ventures, thus benefitting from economies of scale. Because of the limitation of the domestic market and the relatively low per capita income, potential export markets would have to be found. This will form a basic shift in the agricultural and industrial policies pursued and the instruments adopted in Jordan.
- 281. Another problem that stems out of the population structure is the rise in migration from rural to urban areas. The scope and magnitude of this problem is indicated in Table V-5 below.
- 282. The impact of rural migration becomes more conspicuous when one examines the future labour requirements of the major sectors of the economy. Table V-6 below shows that the anticipated labour force in agriculture will gradually decline from 66 thousand in 1980 to 58 thousand in the year 2000. In the mining and manufacturing sector, a relatively high rate of growth in the labour force is expected to raise the number from 39 thousand in 1976 to 110 thousand in the year 2000.

TOTAL POPULATION PROJECTIONS AND POPULATION STRUCTURE, 1980 - 2000

Table V-5

	Total Popula	Total Projected Population (000)			U rban (000)			Rural (600)		Urban o	Urban as Fercentage of Potal	ntage
	High	Most Likely	Low	High	Most Likely	Low	High	Most Likely	low High	iigh	Most Likely	M 10
1980	2318	2274	2253	1623	1509	1510	695	705	17	7.0	£ a	5
1985	2765	2636	2573	2040	1448	1301	719	738	772	74	72	2
1990	3315	3042	2910	2580	2282	2124	72.9	750	780	7.8	75	(*) F -
1995	3995	3492	3245	3236	2759	2413	75)	733	74¢	क्ष	1	17
2000	4838	3988	3566	4112	3310	2888	726	819	678	85	83	81

Table V-6 FROJECTED LABOUR FORCE BY ACTIVITY (1:80-2000)

(ear Activity	1980	1.785	1390	1995	2000
Agriculture	66	05	62	00	58
Mining and Manu- facturing	42	58	85	96	110
Electricity, Gas and Water	2	4	5	7	8
Construction	42	55	00	79	96
Frade Services	70	83	103	134	1 57
Pransportation	36	43	63	74	85
Finance and Real	ó	10	14	17	22
Social and Community Services	150	160	190	257	335
Total Employed	414	478	588	724	871
Potal Unemployed	11	15	18	22	27
Total Labour Force	425	493	606	746	898

The trade and services sector is also expected to participate actively in providing a relatively large number of new job opportunities for the future labour force. The number of workers in this sector will increase from 70 thousand in 1980 to 157 thousand in the year 2000. The social and community services sector will retain its lead in providing and generating new job opportunities in the future as the number of workers that will be required by this sector is expected to rise from 150 thousand in 1980 to 335 thousand in the year 2000.

283. Total employed labour force is anticipated to increase from 390 thousand in 1975 to 414 thousand in 1980, or at a compound rate of growth of 1.3 per cent to 478, 588, 724 and 871 thousand in 1985, 1990, 1995 and 2000, respectively, or at a compound rate of growth of about 3, 4.8, 4.8 and 3.8 per cent.

284. The unemployment rate is expected to remain at a low level, selative to the total labour force available, i.e., at 2.1 per cent in 1975, 2.6 in 1980, 3 in each of 1985, 1990, 1995 and the year 2000.

2. Future development

a) Economic development, 1973-1975

285. The Three-Year Development Plan, 1)73-1975, which aimed at revitalizing economic activities after the 1970 civil war, succeeded in fulfilling its aims and in causing development momentum to be resumed. Annex table 2 shows that expenditures on GDP at current prices rose from JD 202 million in 1972 to JD 338 million in 1975, or at a compound rate of growth of 19 per cent per annum. At constant 1970 prices, GDP rose from about JD 188 million in 1972 to about JD 237 million in 1975, or at a real compound rate of growth of 8 per cent per annum.

286. Fotal consumption expenditure on goods and services increased from JD 138 million in 1372 to JD 305 million in 1375 (1970 prices), or at a real compound rate of growth of 15 per cent per annum. Private consumption expenditures on goods and services, likewise rose, during the same period, from JD 152 million in 1372 to JD 206 million in 1375, or at a compound real rate of growth of about 11 per cent per annum, while public consumption expenditures on goods and services rose during the same period from JD 65 million to JD 39 million, or at a compound real rate of growth of 15 per cent per annum. The proportion of private consumption expenditures to total consumption expenditures declined from 68.4 per cent in 1373 to 67.5 in 1375.

287. Gross capital formation registered an increase in the order of JD 210 million (at 1970 prices) during this period while increments attained in GDP as a result were JD 60 million. This gives a capital output ratio, in its simplest concept, of 3.5:1. Exports of goods and services, however, declined from JD 54 million in 1973 to JD 48 million in 1975. Net factor income from abroad displayed an impressive increase from JD 17 million in 1973 to JD 39 million in 1975 or by 230 per cent. This is mainly due to the fact that Jordan has been an exporter of manpower to neighbouring Arab countries. Pens of thousands of Jordanians are now employed in these countries and their remittances amounted to JD 113 million in 1976 (at current prices), or to JD 70 million at 1970 prices.

288. Table V-8 below indicates the relative change in the composition of total economic resources and their uses. It shows that the contribution of GNP to total economic resources declined from 64.8 per cent in 1973 to 60.9 per cent in 1975. Consequently, the share of imports rose from 35.7 per cent to 39.1 per cent during these two years.

28). Meanwhile the resource pattern showed marked relative changes which signify increases in consumption of both the private and public sectors and a drop in gross capital formation and exports of goods and services. This means that the country has been consuming more and saving less for investment purposes. Net factor income from abroad, however, displayed a marked increase which helped to alleviate some of the problems that might have resulted from the increase in consumption and the drop in capital formation.

Table V-7 TOTAL ECONOMIC RESOURCES AND THETR USE (at 1970 market prices)

		1973		1975	
		JD Million	Percent	JD Million	Percent
1.	RESOURCES				
	a) GNP	213	64.3	276	60.3
	b) Imports of Goods				
	and Services	<u>118</u>	35.7	<u>177</u>	39.1
	c) Total Resources	331	100.0	45 3	100.0
2.	USES				
	a) Consumption of Goods and Service	es 212	64.0	305	67.4
	1. Private	(145)	(43.8)	(206)	(45.4)
	2. Public	(67)	(20.2)	(99)	(21.9)
	b) Gross Capital Formation	47	14.2	61	13.5
	c) Exports of Goods and Services	54	16.3	48	10.5
	c) Net Factor incom from Abroad	le 17	5•5	3 9	8.6

240. Table V-) below shows the contribution of major sectors to GDP in the period 1973-1975.

Pable V- \leftarrow GDP AT MARKET PRICE BY SECTORS OF PRODUCTION, 1973-75 (at 1970 prices)

36 ()	197	3	1 1 37.	4	1.97	' 5
Major Sector	Value in JD Millio	Percent n	Value in JD Millio		Value in JD Millio	
Agriculture	15.8	8.10	27.65	13.55	1).60	8.27
Mining and Manufacturing	20.0	10.22	33.19	15.17	35.00	14.77
Electricity, ga and water	.s 2.7	1.38	2.70	1.24	3.15	1.33
Construction	13.7	7.02	13.0}	5.98	15.40	6.50
Prade and services	50•5	2 5.80	50.05	22.88	5∌•50	25.1 0
Pransport and storage	16.2	8.28	16.17	7.40	18.22	7.69
Firence and Rea	13.8	7.05	13.86	6.34	15.40	6.50
Community Servi	ces 36.7	18.75	34.65	15.84	38.50	16.24
GDF at Factor	169.4	86,60	193.36	88.40	204.7 5	86.40
Indirect Taxes	26.3	13.40	25.41	11.60	32.23	13.60
GDP at Market Prices	195.7	100.00	218.77	100.00	237.06	100.00

- 2)1. Fluctuation in the contribution of agriculture has been a common phenomenon in the Jordanian economy because of the dependence of agriculture on seasonal rainfall. Mining and manufacturing contribution displayed some fluctuation because 1974 was a slack year; but, in general, one could say that the sector had made some headway during the 1973-75 period.
- 2)2. Electricity, gas and water sector remained at about the same level in the first two years and displayed a marked improvement during 1)75 due to the implementation of electric projects and improvements in water supply systems. Construction has dropped in 1)74 and rose again but failed to maintain the same percentage although the value of its contribution rose from JD 13 million in 1974 to JD 15 million in 1975. Trade and services maintained the same level of contribution in the first two years of this period.
- 293. Foreign grants and loans play a major role in sustaining economic growth in Jordan. The scope of this role during this period can be shown quite vividly in Table V-10.

RELATIONSHIP BETWEEN DOMESTIC AND FOREIGN RESOURCES
AT 1970 PRICES
(JD million; percentages)

		1973	1974	1975
1.	Expenditure on consumption and gross capital formation	259.24	315.05	365.72
2.	Surplus on Balance of Goods and Services Plus Factor Inc Payments		-72. 95	- 89 , 35
3.	CNP	212.77	242.10	276.37
4.	Ratio of (1):(3)	122.23	130.13	132.34

294. The ever increasing dependence of Jordan on foreign aid and loans is a serious problem and the authorities feel that in the coming ten or fifteen years, the country may even have to absorb higher levels of foreign grants and loans in order to use these for investment purposes so that the economy may attain self-sustenance in the long-run.

2)5. Since agricultural development is rather limited and may soon approach the saturation point because of the limitation in water resource availability and the nature of the cultivable areas, it may seem reasonable for Jordan to concentrate its future development efforts on mining and manufacturing and related infrastructural sectors.

b) Projections of future development in the period 1)76-2000

296. The Five-Year Development Plan, 1976-1980, envisages a total investment of JD 765 million at 1975 prices. This relatively large amount of investment would have an important impact on the Jordanian economy, in general, and on the commodity producing sectors and other related sectors, in particular. Of this total investment, about JD 382 million will be undertaken by the public, and the remainder, JD 383 million, will represent investment anticipated to be made by the private sector. The ratio of fixed investments to GDP will increase from 32 per cent in the Three-Year Development Plan period, 1973-1975, to 36.4 per cent in the Five-Year Development Plan period, 1976-1980.

297. Since priority has been given to projects which are expected to contribute to the expansion of production and agriculture, mining and industry, tourism and related infrastructural projects, to

the extent of their bearing on quested expansion of productive capacities, and since most of the required statistical data for 170 had been acquired from official sources, projections of future economic development for the period 176-2000 were based on strategies and goals expressed in the Five Year Development Flan and on expectations related to the form and size of anticipated investments and other economic activities. These expectations are tased on the reports of the Natural Resources Authority regarding discovered and proven natural resources and the intentions to utilize and exploit these resources in future years. With this background in mind, coupled assumptions regarding the availability of capital and labour, and possibilities of importing technical know-how, the following assumptions were made:

- a) All figures were deflated to 1)70 prices in order to avoid price escalations.
- b) Acquired data for 1976, which forms the first year of the Five Year Plan, was used as a starting base for future projections.
- c) Various rates of growth for each of the major economic sectors were given, based upon the set development programme as outlined in the Five-Year Plan, 1976-1980 and visualized of the rates of growth that could be attained at the end of each time-phase of the period up to the year 2000.

238. The values given in Table V-11 were on the basis of the expected rates of growth in each of the major economic sectors in 1380, 1385, 1395 and 2000. Indirect taxes were projected at the following annual compound rates of growth:

	197680	1980-85	1985-90	1990-95	1990-2000
Anticipated reof growth		7.3	7.2	6.9	6.5

27%. On the basis of these calculations, GDP at market price may approach the levels of JD 341 million in 1980, JD 483 million in 1990, JD 672 million in 1990, JD 347 million in 1995 and JD 1,307 million in the year 2000.

Pable 7-1: INDEEPRIAL ORIGIN OF EXPLOYED GDP, 1976-2000 (AP 1970 FRIGES)

(3D million:

	1)	1.480	1985	1) 10	1995	2000
l) Agriculture	23	27	30	44	53	65
2) Mining and manufacturing	36	53	80	128	137	288
3) alectricity	3	ϵ_{j}	,	14	2C	2)
1) Construction	17	21	2)	37	45	55
7) Pransportation	1+	28	4 3	66)2	130
) Finance	16	23	3 8	55	81	120
7) P rade	40	43	62	7)	101	12)
2) Public Adm. and Defence	35	46	61	82	110	147
)) Jervices	30	41	57	80	113	158
GDF at factor cost	21)	293	415	585	812	1121
Indirect Paxes	36	4 8	68	-)7	135	186
ALL at market price	255	341	483	682	34 7	1307
HF I	70	122	216	<u> 348</u>	560)02
Hel	325	463	6 17	1030	1507	220)

^{*/}Apriculture (1)/o) represents the average value for (1)73-1)76) due to reasonal fluctuations.

inte: The prowth rates applied to this table are:

	1)80	1)85	1.)90 1	195	2000
Agriculture Mining and manu-	4	6	4	4	4
facturing	As in	detail	in Table	V-1	6
Electricity	15	12	8	8	8
Construction	6	6	5	4	4
Fransportation	10	•)	9	7	7
Finance	10	10	8	8	8
l'rade	5	5	5	5	5
Public Adm. and Def.	7	6	6	6	6
Services	8	7	7	6	6

- d) Net factor income which represents remittances of Jordanians working in neighbouring Arab countries was computed on the basis of expectation as to the number and wages of Jordanian labour force working outside the country. Since remittances are expected to increase by about thirteen-fold during the projection period, it follows that these would grow from JD 70 million to about JD 907 million during the period 1976-2000.
- e) Hence, GDP was computed to be JD 463 million in 1980, JD 699 million, JD 1,030 million, JD 1,507 million and JD 2,209 million in the years 1985, 1990, 1995 and the year 2000, respectively.
- f) During the period 1972-1976 imports of goods and services grew at a compound rate of 12 per cent per annum, while imports of goods only grew at a compound rate ranging between 7 8 per cent per annum. Therefore, in Table V-12, the expected imports of goods alone were projected at the following rates of growth:

1975-80	<u> 1981–85</u>	<u> 1985-90</u>	<u> 1990–95</u>	1995-2000
7	8	6	6	6

- 300. Imports of services were given various weights compatable with expected development in each of the five projected periods. The value of imported services was estimated at JD 93 million in 1980, JD 134 million, JD 180 million, JD 210 million and JD 254 million in 1985, 1990, 1995 and the year 2000, respectively.
 - g) Exports of goods and services for the period 1972-1976 rose from JD 39.31 million to JD 63.38 million at constant 1970 prices, thus recording a growth rate of about 10 per cent.

 Goods alone, however, were estimated, for projection purposes,

Table V-11 PROJECTIONS FOR IMPORTS IN MILLION US DOLLARS (at market and 1970 price)

	1975	1980	1985	1990	1995	2000
Food and Live Animals	75.2	105.4	154.8	207.1	277.1	370.8
Beverages and tobacco	1.9	2.7	4.0	5.4	7.2	9.6
Crude materials credible except fuel	8.9	12.5	18.4	24.6	32.9	44.0
Mineral Fuels and Related Materials	37.9	53.1	78.0	104.4	139.7	186.9
Animal and vegetable oils and fats	1.9	2.7	4.0	5.4	7.2	9.6
Chemicals and products	18.6	26.1	38.3	51.2	68.5	91.7
Manufactured Goods	68.2	95.6	140.4	187.9	251.4	336.4
Machinery and Trans- port Equipments	112.7	158.0	232.1	310.5	415.5	555.8
Miscellaneous Manu- factured Articles	25.6	35.9	52.7	70.5	94.3	126.2
Not Classified	5.2	7.3	10.7	14.3	19.1	25.6
Total	356.1	499.3	733.4	981.3	1312.8	1756.6

on the basis of the expected output of each sector and the percentage of exports. Consequently, assumed weights of growth had been assigned to exportable commodities as shown in Table V-13 below. In so far as services are concerned, a major item of considerable magnitude, i.e., income from tourism, had been taken as a base.

Table V- 1? PROJECTIONS EXPORTS IN MILLION US DOLLARS, FOR (at 1970 constant prices)

	1975	1380	1.)85 !	1990	1 195	2000
Food and live animals	70.6	11).0	221.1	403.7	6 21 . 3	971.6
Beverages and tobacco	2.8	4.7). 0	15.9	24.5	37.7
Crude materials, credible except fuel	12.5	21.1	40.1	70.7	108.8	167.4
Mineral fuels and relate: materials	0.7	1.2	2.3	4.1	0.3	∌• 7
Animal and vegetable oils and fats	1.0	1.7	3•3	5.8	8.)	13.7
Chemicals and products	5.5	9∙3	17.9°	31.5	4 8•5	74.6
Manufactured goods	11.5	17.4	37.3	65.7	101.1	155.6
Machinery and Transport equip.	0.8	1.3	2.5	4.4	6.8	10.5
Miscellaneous manufactur articles	ed 4∙5	7.6	14.0	25.7	39∙6	60.9
Commodities and trans- actions not classified according to kind	-			,		
Exports (Goods)	109.9	185.3	350.1	627.5	365.8	1501.7
Services	57.0	105.0	225.0	315.0	441.0	520.0
Total	166.9	290.3	581.1	942.5	1406.8	2021.7

- h) bet transfer payments of the private sector and central government plus transfer payments from Arab and friendly countries totalled 3D 70 million in 1970. Since one of the goals of the Five fear Development Flan (1976-1980) is to cut down on foreign aid, this figure is projected at a deminishing scale, i.e., from 3D 70 million in 1980 to 3D 40 million in the year 2000.
- i) Potal consumption of goods and services was calculated on the following assumptions:
 - 1. Natural growth of population of 3 per cent per annum
 - 2. Moderate rise in the standard of living of around 3-4 per cent per annum
 - 3. Savings from GDP to be plowed back into the investment stream.
- 301. Consequently, total consumption expenditures on goods and services are likely to approach JD 458 million in 1,80, JD 611 million, JD 850 million, JD 1,147 million and JD 1,560 million in 1,85, 1,990, ..., 1,95 and the year 2000, respectively, or to grow at a real compundate of 3 per cent per annum in the period 1,70-1,380, 6 per cent cring the period 1,380-1,385, 6.) per cent during 1,385-1,390, 6.2 per cent during 1,395-2000.
- 302. Based upon assumptions made in items (f i) above, tables V=14 and V=15 were constructed.

Table V-13 INTERNATIONAL TRANSACTIONS (JD million)

	1976	1980	1985	1990	1995	2000	
Imports	217	303	376	504	643	834	
Goods	165	210	242	324	433	580	
Services	52	+3	134	180	21 0	254	
Exports	64)6	1)2	312	465	685	
Goods	45	61	117	207	318	495	
Services	1)	35	75	105	147	1)0	
Transfers (Net)	70	70	60	50	50	40	
Net Factor Income	70	122	216	348	560	106	
	1			! •			

Table V-14 EXPENDITURE ON GROSS NATIONAL PRODUCT (JD million)

	1-)76	1980	1985	1990	1995	2000	
Consumption	326	458	611	850	1147	1560	
Investments	82	90	108	150	215	26 0	
Exports	64	3 6	180	312	4 65	685	
Imports	217	3 03	416	630	88 0	1198	
CDP	255	341	483	682	947	1307	
NFI	70	122	216	348	560	902	
DNP	325	463	699	1030	1507	2209	
]	1			

c) Mining and manufacturing

1. Introduction

303. The transition that Jordan seeks to achieve depends largely on the long-term strategy of which the Five-Year Development Plan, 1976-1980 is only a part. In order to understand the reasons that lie behind long-term strategy, one would have to familiar himself with the overall picture of the Jordan's economy. Chapter I and section 2 of this chapter highlighted the main features of this economy, and the following main points emerged:

- a) that there is an ever increasing gap between GDP and total consumption and gross capital formation. Consequently, Jordan will have to depend, rather heavily and for a long period to come, on outside financial aid;
- b) that capital formation, though still low, is rising and will be expected to gain momentum in the future;
- c) that exports of goods and services are meager compared to imports of goods and services and that the latter are escalating at a high rate for imports to be almost as large as private consumption.

304. This eye-bird's view of the prevailing economic conditions in Jordan provides the basis on which a long-term economic strategy would need to be formulated so as to enable Jordan to overcome some of its most serious economic problems.

2. The Five Year Plan and its impact on future developments in the mining and industrial sector

305. The first long-term objective, set out in the Plan, is:

"Achievement of structural changes in the Jordanian economy through developing the commodity-producing sectors, increasing their share in GDF, strengthening the movement towards a self-sustained economy and expanding its productive capacity".

- was given to commodity-producing sectors and related infrastructural projects in order to correct the imbalance in the structure of the economy and to disperse economic activity outside the densely populated areas. The ensuing changes would be instrumental in rendering the Jordanian economy more capable of self-sustenance on the grounds that development should be effected from within rather than through foreign assistance and partnership. These can only complement domestic efforts but not supplant them.
- Most important of the commodity-producing sectors is the mining and manufacturing sector which constitutes the backtone of development skeleton in the Jordanian economy.
- 30%. This sector can contribute a great deal to the rectification of the imbalance inherent in the structure of the Jordanian economy provided that the plan for its development follows the same line of thought specified in the long-term industrial strategy.
- 30). Because of the industrialization policies that were pursued in the past and instruments that were adopted, and because of the various circumstances that surrounded the economy, a very loose and unintegrated manufacturing sector has developed. It lacks the broad industrial base on which to build further expansions. The new policy of allowing the establishment of new industries and of encouraging import-substituting and export-oriented industries might, in due time, help in solving this problem. Integration between the sub-sectors of manufacturing can be achieved when markets for products can be secured. This means that more efforts for expanding the markets for Jordanian manufactured goods should be exerted through:

- a) Concluding bilateral and/or multi-lateral trade agreements with non-Arab countries in Asia, Africa and Europe in order to secure preferential treatment for Jordanian products.
- b) Farticipating in the share capital of industrial companies set up solely or even partially for export purposes in order to reduce the risks involved and to follow-up on the progress of their development and problems.
- c) Enhancing and fostering the development of import-substitution industries through exemptions of all primary and intermediate raw materials and imported machinery from all forms of duties and additional taxes.
- d) racilitating the temporary entry of primary and intermediate goods and machinery required for export-oriented industries.
- e) Establishing industrial estates and free zones with all infrastructural facilities throughout the Kingdom.
- f) Reducing the cost of electric power, fuel and water consumed by manufacturing enterprises to a level equal, at least, to the rates prevailing in neighbouring countries such as Syria, Saudi Arabia, Kuwait and Iraq.
- El Establishing a special fund for subsidising manufactured products marketed in countries that are not members of the Arab Common Market. Funds for this purpose can be raised from increments on import taxes levied on certain luxury goods, such as automobiles, cosmetics, etc.
- iio. Mespite that some of these instruments have already been partially adopted, a more drastic and comprehensive formulation of policies and implementation of instruments is needed.
- 311. Although Jordan is a member of the Arab Common Market, such an arrangement has yet to help in developing export markets for its manufactured products. Other bilateral agreements, the most out-

standing of which is the agreement on cooperation and coordination with Syria, have given the Jordanian manufacturing sector a new horizon. The agreement with Syria has activated idle manufacturing capacities and motivated the establishment of various other industries with a view to producing commodities needed for both the Syrian and Jordanian. markets.

- 312. Infrastructural facilities, especially electric power and water, are not only insufficient but are also expensive compared to those available in neighbouring countries.
- 313. National technical research is far from being sufficient and industrial development in Jordan will have to rely on imported technical know-how for a long time to come, especially with the brain drain that has resulted from the migration of trained Jordanians to neighbouring oil-producing countries.
- 314. Mining industry is relatively new and, with the exception of phosphates, no other natural resource is being extensively exploited. Studies are being conducted to exploit proven deposits of copper ore and the extraction of potash from Dead Sea brine is being implemented. A public company was formed recently for the exploitation of clays, gypsum, feldspar and other non-metallic ores. The erection of a phosphatic fertiliser plant (tripple super phosphate) is planned in the Five-Year Plan, 1976-1980 period. A large programme for expanding the production of rock phosphates is also envisaged during the same period.
- 315. In the manufacturing industries, expansion is underway for increasing the production of cement and petroleum refining. A new cement plant and a second petroleum refinery are being planned for erection in the Southern Region of the Country. A glass sheet factory is also being considered and two large plants for clay and sand bricks are being studied. A total of 201 industrial establishments with a total capital requirement of JD 18 million have been licensed

during the first year of the plan.

316. The Five-Year Plan, 1976-1980, assumes an annual growth rate of 21 per cent in the commodity-producing sectors and only 8.6 per cent in the services sector. Accordingly, the relative importance of the mining and manufacturing sector in GDP will rise by the end of the plan period from 15.6 to 28.3 per cent. The Plan also assumes that private consumption will increase by 7 per cent per annum, as against 9.4 per cent in private disposable income, and that the ratio of private consumption to gross national product will fall from 74 per cent in 1975 to 61 per cent in 1980. Consequently, more savings would be generated by the private sector for investment purposes.

317. Planned total investment in the mining and manufacturing sector is expected to be in the magnitude of JD 229.9 million, or 29.9 per cent of total investments in all sectors of the economy. The high ratio of investment in mining and manufacturing emphasizes the relative importance of this sector in overall planning. However, the financial resources allocated for the projects included in the Plan are expected to fall short of the anticipated real costs of these projects. For example, the estimated cost of potash extraction is JD 45 million while a recent feasibility study showed that the project may cost as much as JD 95 million. Cost escalations are, therefore, expected and, consequently, new sources of finance will have to be found. Estimates of these escalations may be in the magnitude of JD 137 million.

318. The real thrust that can be attained in economic and social development may be confined mainly to new capacities. Therefore, implementation of new large projects, and expansion and renovation of existing capacities will, in fact, determine the real growth in industrial production. Consequently, projections should be made

on sub-sectoral bases, so that estimated growth, in real terms, could be arrived at for each of the prospective sub-sectors of manufacturing industry, with due consideration being given to planned expansion and renovation of existing industries and to implementation of new projects.

- 31%. Projections made for the mining and manufacturing sector were based on the following assumptions:
 - 1. All values have been deflated to 1)70 prices in order to avoid the problem of price escalations and to measure growth in real terms.
 - 2. Assumed growth rates have been assigned to each of the sub-sectors in the mining and manufacturing sector. Phese anticipated growth rates have been based on:
 - a) Expected growth rates for the period 1976-80 and these have been computed on the basis of an evaluation of the implementation of the Five Year Development Plan, 1976-86.
 - b) Expectations of future development based on reports of the various authorities concerned, especially those published by the Natural Resources Authority concerning the proven deposits of natural resources, their locations, quantities, qualities, and the possibility of their exploitation.
 - 3. Computed growth rates shown in Table V-16 for each sut-sector, taking the 1)76 data (the first year of the Five Year Development Plan, 1)76-1)80), as a starting point. The results are given in Table V-17 below:

Pable V-10 AddUMLI RATES OF GROWTH FOR PROJECTING JA. AL ADDED IN THE MINING AND MANUFACTURING DEGREE (Percent)

Industry	1.)80	1)85	1.)90	1.195	200%
Mining and quarrying	11	10	10	10	10
Food manufacturing	ţ,	,	U	٠.	
Alcoholic beverages	1	5	٠,	<u>.</u>	-,
Soft drinks	1	U	t.	c	ن
lobacee	5	5	٠,	4,	>
Textiles	+	8	ţ,	. ,	i.
Clothing	10)	ب	7	t i
Leather and leather products	υ	ti	υ	5	5
Pootwear	8	i H	7	7	
Wood and products	8	6	e,		
Paper and products	8	7	5	•.	E.
Frinting and publishing	7	8	8	,	7
Chemical industry	Ř.	SO	20	20	۵
Petroleum refinery	2 0	7	12	7	7
Rubber and products	4	4	4	4	4
Plastic and products	7	7	7	ь	
Non-metallic minerals	10	12	10	10	,
dasic metal products	10	10	10	10	ع ا
Electric machinery	10	10	,	5	8
Pransport equipment	6	7	7	b b	5
Miscellaneous	7	7	6	t)	5

Table V-16 VALUE ADDED IN MINING AND MANUFACTURING, AT 1970 PRICES (JD million)

	1976	1980	1,385	1390	1995	2000
Mining and quarrying	6.82	14.63	29.82	46.75	73.16	114.63
Food manufacturing	4.69	5.60	7.49	10.08	13.44	17 . 3 0
Alcoholic beverages	0.21	0.28	0.35	0.42	0.49	0.56
Soft drinks	0 .3 5	0.42	0.56	0.70	0.91	1.26
lopacco	1.68	1.80	2.31	2.94	3.71	4.75
Textiles	2.59	3.08	4.34	6.09	8.54	11.41
Clothing	1.82	2.03	3.15	4.62	6.44	8.61
Leather and products	0.91	0.98	1.33	1.75	2.24	2.87
Footwear	0.21	0.28	0.42	0.63	0.91	1.19
Wood and wood products	1.05	1.33	1.75	2.24	2.87	3.71
Paper and paper products	0.35	0.42	0.56	0.70	0.91	1.19
Printing and publishing	0.56	0.63	0.91	1.33	1.89	2.66
Chemical industry	1.19	2.45	6.09	8.96	12.53	17.64
Petroleum refinery	6.16	7.42	10.36	15.36	22.40	31.43
Rubber and products	-	-	0.21	0.28	0.35	0.42
Plastic and products	0.84	0.98	1.40	1.36	2.59	3.43
Non-metallic mirerals	2.73	3.92	6.93	11.20	17.39	27.72
Basic metal products	4.6)	6.86	11.06	17.85	28.70	42.14
Electric machinery	0.63	0.77	1.26	1.96	2.87	4.20
Transport equipment	0.70	0.77	1.05	1.47	1.96	2.52
Miscellaneous	0.35	0.42	0.56	0.77	0.98	1.26
Total	36.5	53.2	80.2	128.4	197.3	288.4
				1		

A. Mining

Projection assumptions

320. a) Phosphates

- 1. As envisaged in the Five-Year Plan, 1)76-80, phosphate production was assumed to increase from 2.5 million tons to 10 million tons at the end of 1)80. Projections were calculated at 1)70 prices. Pherefore, the anticipated annual compound rate of growth for the first period 1)76-1)80 is 11 per cent.
- 2. In the following three periods, 1380-1385, 1330-1335 and 1395-2000, phosphates are estimated to grow at the compound rates shown in Table V-13.
- 3. Value added by phosphate and other mining, at 1,70 prices, are expected to reach the level of JD 114 million by the year 2000 (see Pable V-1).
- 321. b) The other mining and quarrying activities that are anticipated include possibilities for the exploiting of proven copper reserves and other mining, such as marble and calcium carbonate rocks quarrying, gypsum, feldspar, clays, etc.

Table V-17 GROSS OUTPUT OF THE MINING SECTOR, AT 1970 PRICES (JD million)

	1)75	1976	1980	1985	1990	1995	2000
Phosphate	12.18),	16.68	26. 85	43.21	6).44	111.60
Other	1.12	1.17	1.80	13.15	21.14	34.04	54. 90
'fotal	13.30	11.09	18.48	40.00	64.35	103.48	166.50

The value Abbed of the MIGING become, at the extension (45 million)

-11	5. ⁰ }	11.5%	18.79	28 . W	44.52	68 . 51
. A	O. 13	$\mathcal{D}_{\bullet}(\mathcal{P}^{2})$	11.04	17.30	234.64	46.12
ł. 1t.	6.42	1.4.	24.52	10.75	73.10	114.63
	S. A.	O. A. O. B.	0. A 0. B 0. B	2. A 0. B 2. C 11.04	2. A 0. B 2. B 11.04 17.50	6.17 6.27 11.58 18.78 28.35 44.52 2.31 0.32 2.09 11.04 17.56 28.64 3.40 6.82 14.69 23.52 46.75 73.16

... Food Manufacturing

Sub-sectoral assumptions

322. Planned expansion in irrivated areas, land reclamation programmes, introduction of modern farming techniques and practices and encouragement of cooperative movements in rural areas are under way and new processing capacities, though at a small scale, are upt to be established within the period 1976-1980. The rates that were attained in the previous periods (6 per cent per annum) are expected to be maintained throughout the projection period.

C. The Beverage Industries

Sub-sectoral assumptions

- 323. Expansion of beer production is planned for the period 1)76-1380, due to expected increase in export to the Syrian Market and in domestic consumption.
- 324. In the spirits and distillation units for liqueur production, renovation and modernization of one of the three main factories is envisaged within the 1376-1380 period.

1/ The growth rates assumed for the mining sector were as follows:

	1980	<u>1)ਰੇ5</u>	1 990	1.)95	2000
Phosphate	10	10)	<i>)</i>)
Other	30	00	10	10	10

D. The Pobacco-Industry

Jub-sectoral assumptions

- 325. This sub-sector suffers from a decline in domestic raw materials. It is, therefore, anticipated that the proportion of value added to gross domestic output will decline, as the industry will have to rely more in imported ingredients.
- 326. As a consequence, costs and prices are anticipated to rise, with the latter affecting exports of this commodity.

L. The Textile Industry

Sub-sectoral assumptions

- 327. This sub-sector has witnessed relatively high rates of growth in the past ten years and is expected to maintain the same rate in the 1376-1350 period, and to slow down in the following period.
- 328. Since most of the raw materials used to be imported, a relatively large spinning plant has been implemented at a cost of JD 6 million. The plant is composed of three phases, of which only the first phase has been implemented. Yarn, which is not all produced locally, will form the major component of imports for this industry.
- 329. A relatively large number of small textile factories have been set up and further expansion in this sub-sector is expected during the plan period. Exports are expected to rise while imports are expected to decline due to the establishments of the spinning plant referred to above.

F. Clothing Industry

Sub-sectoral assumptions

- 330. Output produced by this industry for local consumption is assumed to be directly proportional to the rate of growth of population; additional output of ready-made clothes must seek outside markets.
- 331. Since consumption of ready-made clothes is based on taste and fashion, high levels of import are expected to continue because fashion houses are usually located in Europe.
- 332. The expected rise in per capita income would tend to accentuate the problem of rising imports in the short-run, but these may decline at a later stage because of possible transfers in technology and know-how. Imports are, therefore, assumed to decline after 1986.

G. Leather and Footwear

Sub-sectoral assumptions

- 333. Growth in total consumption in leather and footwear products has been assumed to follow the normal rate of growth of population and the rise in the standard of living, namely, 3 per cent for population growth and 4 per cent for improvements in the standard of living.
- 334. Growth in value added has been calculated on the following assumptions:
 - 8 per cent per annum for the 1975 1985 perid
 - 7 per cent per annum for the 1985 1995 period
 - 6 per cent per annum for the 1395 2000 period.

- 335. Leather production is assumed to be influenced by the expected expansion in the tannery productive capacity, and to grow at the following rates:
 - 6 per cent per year for the 1975 1990 period
 - 5 per cent for the period after 1990.

H. Manufacture of Wood and Wood Products

Sub-sectoral assumptions

- 336. a) Total consumption is assumed to grow during the whole period of projection at a compound rate of growth of 7 per cent per annum, while value added may achieve 8 per cent during 1975-1980, 6 per cent during 1980-1985 and 5 per cent through the rest of the projection period.
 - b) While imports are expected to maintain the same rate of growth achieved during the 1970-1975 period, exports may not be sufficiently significant because of the uncertainty surrounding the establishment of the wood complex.

I. Paper and Paper Products

Sub-sectoral assumptions

337. a) Consumption of paper and paper products is expected to grow at a compound rate of 7 per cent per annum, while value added may achieve the following rates of growth:

8 per cent per annum in the 1975-1980 period

7 per cent per annum in the 1980-1985 period

5 per cent per annum in the 1985-2000 period

The Jordan Paper and Cardboard Co. is envisaged to start producing corrugated board before 1985.

b) Imports are expected to grow at a lower rate than in the 1370-1375 period. A growth rate of 10 per cent per annum is assumed to hold throughout the period of projection.

Exports may grow at the same rate as that in the 1370-75

Exports may grow at the same rate as that in the 1370-75 period, namely, at 12.5 per cent per annum in the 1376-1385 period and at 10 per cent per annum during 1385-2000.

J. Printing and Publishing

Sub-sectoral assumptions

- 338. Since the annual growth in domestic demand is expected to be around 7 per cent during 1)75-1980, 8 per cent during 1)80-1990 and 7 per cent in 1)90-2000, consumption and domestic output are assumed to increase at the same rates.
- 33). Neither exports nor imports are likely to be sufficiently significant.

K. Chemical Industry

Sub-sectoral assumptions

340. The potash extraction project is being implemented and is in its first stage. Production may start by 1.82 at a capacity of one million tons of potash per year, with capabilities for expansion up to 1.7 million tons. In 1.370, the price of potash was around US\$ 55/ton. On this basis, exports of industrial chemical products are anticipated to increase in the 1.380-1.385 period by about JD 18 million, since all potash is produced for export.

341. Other industrial chemicals, such as promides and podides, are also expected to be extracted from Lead Lea promes during the 1365-1330 period and therefore, a growth rate of 20 per cent per annum in the production of these chemicals is expected during this period. Domestic output may tend, however, to taper off to about 7 per cent per annum during the 100-2000 period.

342. A large fertilizer complex, with an estimated cost of about JSS 300 million, is envisaged to have a capacity of $tCC_{\bullet}000$ tons of triple super phosphate. Production is anticipated to start in the early eighties.

1. Petroleum Refining

Sub-sectoral assumptions

343. Expansion of the existing petroleum refinery is envisaged at a cost of around US\$ 215 million. The expansion which has been started will raise the productive capacity of the Refinery from one million matric tons to 3.45 million tons per annum by 1474.

74. Freliminary studies are being conducted to erect a new petroleum refinery in the wouth with a capacity of 6 million tons and an estimated cost of JD 185 million.

M. Hubber and Rubber Froducts

Sub-sectoral assumptions

345. In this sub-sector, as is the case in the chemical and petroleum refining sub-sectors, considerable room exists for domestic expansion. Domestic output is only JD 0.42, while total consumption is JD 2.25 million.

346. Value added is expected to grow at a slow rate, around 4 per cent per annum, throughout the period of projection.

347. Consumption and imports are expected to grow by at least 7 per cent per annum, and this will raise consumption from JD 2.28 million in 1375 to JD 12.6 million in 2000, and imports from JD 2.25 million to about JD 11.6 million in 2000.

N. Non-Metallic Minerals

Sub-sectoral assumptions

- 348. Expansion of the Cement Company, which is expected to be undertaken at a cost of JD 15 million and to be completed by the middle of 1378 will raise the annual productive capacity of the plant from 600,000 tons to 1.2 million tons.
- 349. The construction of a new plant in the South is being studied. The project, whose production is designed mainly for export, is envisaged to have an output of one million tons per year and to coet JD 22 million.
- 350. A second plant with a capacity of 100,000 tons of white cement is being contemplated for erection in Jordan in cooperation with the Syrian Government.
- 351. Value added in this sub-sector remained almost the same during the period 1970-1975.
- 352. In 1376, exports of cement were prohibited and this prohibition will remain in force until the planned expansion is completed.

 Exports are, therefore, expected to decline to a minimal level in the period 1975-1380.

O. Basic Metal Industries

Sub-sectoral assumptions

- 353. A number of known minerals have been found in Jordan. These include iron ors, lead sulphide and copper (copper has been covered in the mining and quarrying sub-sector), granite, molybdenum and gypsum.
- 354. Accordingly, the rate of growth in this sector is expected to be relatively high, i.s., 10 per cent per annum for the period 1975-1995 and 8 per cent for the period 1995-2000.
- 355. Exploitation of these minerals is also assumed.

P. Electric Machinery

Basic assumptions

- 356. This sub-sector has considerable room for expansion.
- 357. The satablishment of a r.V. assembly plant is being entertained.
- 358. Domestic output is expected to attain relatively high rates of growth. The assumed rates are: 10 per cent per year during the 1975-1985 period, 9 per cent per year in the following five years and 8 per cent per year between 1990 and 2000.

d : <u>Loonomic Development</u>

39. Andrew is expected to witness vigorous economic and social development in the next generation. As can be seen from Table 20, gross national product is expected to rise from JD 325 million at the end of 1.776 to JD/463 million at the end of 1.80, or at a compound rate of real growth of 7.3 per cent. GNP at constant prices may approach the levels of 30 66) million in 1,85, Jb 1,030 million in 1)30, JD 1,507 million in 1)35, and JD 2,203 million in 2000. The compound rate of real growth in GNP is projected at 8.5 per cent for the 1980-1985 period and at 8.0 per cent for the remaining three periods. Aggregate consumption expenditure is anticipated to grow during the whole period of projections at an average compound rate of 0.5 per cent. The expected rate of growth in aggregate consumption seems to be logical, since the expected rate of natural growth in population is 3 per cent per annum and the rise in the standard of living is expected to be in the neighbourhood of ... - 4 per cent per year. Consequently, aggregate consumption of goods and services may grow from JD 326 million in 1,776 to JD 458 million in 1,80, JD 611 million in 1985, JD 850 million in 1990, JD 1,147 million in 1))5 and JD 1,500 million in 2000.

300. Pable V-21 below shows that the percentage contribution of GNF to total resources is expected to increase from 60 per cent in 1)76 to 60.4 per cent in 1)80 and to 64.) per cent in 2000. Consequently, the share of imports of goods and services in total economic resources are anticipated to gradually decline over the whole period of projection, from 40 per cent in 1)76 to 35.1 per cent in 2000.

361. On the uses side, share of aggregate consumption in total resources is also expected to fall gradually from 60.1 per cent in 1976 to 45.8 per cent in 2000.

Table V-19 GROSS NATIONAL PRODUCT AND ITS COMPONENTS (3D million; per cent)

	1 176		084	1.480 1.485	35	97.7		1335		2000	8
					,				T		
	Value	Value	ď	Value ~	ą	Value k		value /o	λ.	Value	₹.
Consumption expenditures	326	458	458 7.0	611	6.0	611 6.0 850 7.0 1147 6.1 1560 6.4	7.0	1147	5.1	1560	6.4
Gross capital formation	82	લ્	1.4	108	4.0	4.0 150 6.6 215 7.5	9.9	215	7.5	250 4.0	4.0
Exports of goods and services	64	*	≫ 8•5	180	13.3	180 13.3 312 11.6 465 8.3	11.6	465 8	۳ س•	685 8.1	8.1
Imports of goods and services	217	303	7.0	416	6.5	416 6.5 630	8.6	8.6 880 7.3 11,48 0.3	C.7	11,38	6.0
Net factor income	70	122	11.7	216	12.1	216 12.1 348	10.0	10.0 560 3.3 902 10.0		902	0.01
Gross National Product	325	463	463 7.3	669	8.5	633 8.5 1030		8.0 1507 8.0 2203 10.0	ာ တ	220)	10.0

Table V-20 EXPECTED TOTAL ECONOMIC RESOURCES AND THEIR USE (JD million; per cent)

		15	1976	1380	8	1385	35	1330		1395	5	2000	8	
		Value	2	Value	و	Value &	+	Value	·×	Value	×	Value	Ą	
<u> </u>		,	,			,				1			,	
	Gross National Product	325	0.09	463	4.09	669	62.7	1030	62.0		1507 63.1	520}	64.)	
	Imports of goods and services	21.7	40.0	303	39.6	416	416 37.3	630	630 38.0		880 36.3	11,48	35.1	
	Total resources	545	542 100.0	766	766 100.0 1115 100.0	1115	0.001		1660 100.0		2387 100.0	3407	100.0	-
m	B. Uses													
	Consumption (private and public)	326	60.1	458	59.8 611		54.	850	51.2	1147	48.0	1560	45.8	
	Gross capital formation	82	15.1	8	11.8 108	108	7.6	150	0.0	215	3.0	260	7.6	
	Exports of goods	3	11.8	*	12.5 180	180	16.1	312	18.8	465	13.5	685	20.1	
	Net factor income	20	13.0	122	15.9	216	13.4	348	21.0	235	23.5	905	26.5	
					•									

1

- 362. Although gross capital formation is expected to increase in value, its share in aggregate resources is anticipated to decrease from 15.1 per cent in 1976 to 7.6 per cent in the year 2000. This implies that Jordan will be able to absorb higher levels of investment provided that an adequately trained labour force is available.
- 363. Exports of goods and services are expected to rise during the period of projection, both in absolute and relative terms, from JD 64 million in 1976 to JD 685 million in 2000, or from 11.8 per cent of total resources in 1976 to 20.1 per cent in 2000.
- 364. Net factor income reflects the size and impact of future transfers of Jordanians working in neighbouring Arab countries. These transfers are expected to multiply about thirteen times during the period 1)76-2000, which indicates that the export of human resources will become increasing important. They are anticipated to play an important role in the balance of trade as can be manifested by the increase in the share of these transfers in total economic resources, namely, from 13 per cent in 1976 to 26.5 per cent in 2000.
- 365. Table V-22 shows the anticipated structural shifts in the relative importance of the different sectors of the economy. The most outstanding of these relates to the mining and manufacturing sector.

 The expected growth in this sector is very impressive; its contribution to GDP is expected to grow from JD 40 million in 1976 to JD 53 million in 1980 and to JD 288 million in 2000, or from 14.1 per cent of GDP in 1976 to 22 per cent in 2000. Other infrastructural sectors are also expected to display gradual improvement relative to GDP. Electricity's contribution to GDP is expected to grow from 1.2 per cent in 1976 to 2.3 per cent in the year 2000. Similarly, the share of transportation in GDP is expected to grow from 7.5 per cent in 1976 to around 10 per cent in 2000.

rable v-21 EXPECTED

EXPECTED SHARL OF MAJOR ECONOMIC SECTORS IN GDP, 1976 - 2000 (Ar 1970 PRICES) (JD million; per cent)

Value 23 anufacturing 36	1.2 6.7	Jalue ~	Value	T		l				
23 anufacturing 36	3.0 14.1 1.2 6.7			ર્	Value	2.	Value	ગ	Value	Q
anufacturing 36	14.1 1.2 6.7	27 7.3	36	7.5	44	6.5	53	5.6	<u> </u>	5.0
w !	1.2	53 15.5	90	16.6	128	18.8	137	20.8	288	22.0
	5.7 7.5	5 1.5	~	1.)	14	2.1	50	2.1	5)	2.3
Construction I/	7 . 5	21 6.3	2)	0.0	37	5.4	45	4.8	55	4.2
Pransportation 13		28 8.3	43	8.	QÇ.	£.	75	7.6	130	6.6
al estate 16	۳ . ۵	23 0.7	336	(*)	55	8.1	31	8.6	120	3.2
Trade 40	15.7	4) 14.4	02	12.8	13	11.6	101	10.7	12)	9.8
Public administration	13.7	45 13.5	19	12.0	82	12.0	110	11.6	147	11.3
25	11.7	41 8.8	,		8	11.7	113	11:7	158	12.1
GDP at factor cost 21)	85.1			85.3		85.8		85.7	1121	85.8
36	14.1	48 14.1		14.1	=	14.2		14.3	180	14.2
	100.0			100.001	682 1	100.0	147	100.00	1307	100.0

productive and related infrastructural sectors, i.e., agriculture, mining and manufacturing, electricity, construction and transportation to GDF is expected to grow from 38 per cent in 1970 to 43.4 per cent in 2000. Consequently, the share of other sectors in GDF, i.e., the services sectors, is expected to drop from o2 per cent in 1970 to 50.0 per cent in the year 2000.

367. The extent to which foreign grants and loans are expected to supplement future domestic resources for sustaining the anticipated high rates of economic growth is shown in Table V-23 below.

rable V=22 LXF2CTLD RELATIONSHIF BUTWELL DOMESTIC AND FOREIGN RESOURCES, AT 1970 PRICES

(JD million)

	1)76	1)80	1985	1990	1 395	2000
 Expenditure on con- sumption and domestic capital formation 	4 08	54 8	71 +	1000	1 362	1820
2. Surplus on balance of good and services plus net factor income payments	- 83	- 85	- 20	+30	+145	+389
3. GMP (1 + 2)	325	463	63)	1030	1507	2209
4. Ratio of (1) to (3) h	126	118	103)7	30	82
					1	1 A

368. It is interesting to note that on the basis of anticipated future growth and provided that political and social stability is maintained, Jordan may be able to reach the stage of self sufficiency in 1989, or 1990 at the most.

STATISTICAL APPENDIX

Population and Population Structure

1960 - 1976

Year	Total 000	Urban 000	Rural 000	Urban Population as a percentage of Total
1960	878	408	470	46.5
1961	904	426	428	47.2
1962	932	45 5	477	48.8
1903	962	487	475	50.6
1964	992	521	471	52.5
1965	1024	55 8	466	54 .4
1966	1059	600	4 59	56.6
1967	1294	672	622	51.9
1968	1426	75 2	674	52.7
1969	1600	842	758	52.6
1970	1668	926	742	55.5
1971	1723	1001	722	58.1
1972	1774	1090	684	61.4
1973	1831	1160	671	63.3
1974	1890	1226	664	64.9
1975	1952	1 295	657	66.3
1976	2018	1366	6 52	(7.7

^{1/1961} figures from the results of the first census of population.
Figures for all other years depended basically on the estimated of the Department of Statistics based on several statistical surveys in particular:

Several adjustment factors were made particularly for the years 1967-1969 to take care of the influx of about 400,000 displaced persons from the West Bank as a result of 1967 war.

All information pertain to East Bank only.

^{1.} Internal migration survey of 1967

^{2.} Multi-purpose household survey (1)72-1976)

^{3.} Several quick counts of some small towns and villages

^{4.} Quick count of Amman city 1970

^{5.} Extrapolated data - unpublished

Table 2

Determinants of Population Growth for Jordan

Year	Crude Birth Rate per 1000 Inha- bitants	Crude Death Rate per 1000 Inha- bitants	Natural Rate of Increase in Popu- lation per 1000
1960	46	17	29
1961	46	16	30
1962	46	16	30
1963	46	16	30
1964	46	16	30
1965	46	15	31
1966	46	15	31
1967	46	15	3 <u>ï</u>
1968	46	15	31
1969	46	15	31
1 970	46	14	32
1971	46	14	32
1972	46	14	32
1973	46	14	· 3 2
1974	46	14	32
1975	46	12	34
<u> </u>			

Source: Unpublished estimates by the Demographic Section in the Department of Statistics: The estimates are based on the assumption that the birth rate is constant and that the death rate is declining with the improvement of personal hygiene and recited care.

Table 3 Labour Force, Employment and Unemployment 1900-1975

Year	Total Labor Force 000	Employed 000	Unemployed 000	Unemployed as a Percentage of Total Labor Force
1960	3 97	365.2	31.8	8.0
1961	4 04	371.7	3 2.3	8.0
1962	4 20	386.4	33.6	8.0
1963	428	398.0	30.0	7.0
1964	445	413.8	31.2	7.0
1965	4 34	408.0	26.0	6.0
1966	462	434.3	27. 7	6.0
1967	474	440.8	33.2	7.0
1968	299	221.8	14.2	6.0
1 9 69	336	319.2	16.8	5.0
1970	-	-	-	-
1971	345	331.2	13.8	4.0
1972	3 55	344.3	10.7	3.0
1973	366	357.6	8.4	2.3
1974	378	370.1	7.9	2.1
975	390	381.8	8.2	2.1

- Notes: 1. Informations for the years 1960-1967 pertaining to East Bank and West Bank of Jordan.
 - 2. Informations for the years 1968-1975 pertaining to East Bank only.

Information based on data provided by the Dept. Source: of Statistics, namely in the reports of:

- a) The First Population Census of 1961 b) Manpower Surveys of 1966, 1968 & 1974 c) Multi-purpose Household Surveys 1972-1975

Table 4 Economically Active Population by Activity According
To ISIC Codes (000 Persons)

Year	Agriculture, Hunting and Fishing	Mining and Quarrying	Manufactur- ing	Electricity, Gas and Water	Construction	Wholesale, Retail Trade, Restaurants and Hotels	Transport Storage & Communica-	Financing Insurance & Rcal Es- tate	Social Com- numity and Personal Services	Total
1960	122	2	23	1	35	35	10	2	135	365
1961	129	4	2 6	1	40	33	12	3	123	372
1962	115	4	25	1	43	40	13	3	142	38c
1963	110	4	25	2	40	52	14	3	148	398
1964	125	3	28	2	42	55	14	3	142	414
1965	120	4	33	2	35	48	13	2	151	403
1966	135	4	33	1	32	45	15	2	167	434
1967	1 30	4	30	2	35	50	17	2	171	441
1968	73	3	18	1	25	36 .	13	2	128	2 99 .
969	73	3	22	1	27	47	18	3	142	336
1970	72	3	24	1	24	48	21	4	141	338
1971	72	3	28	2	28	54	23	5	130	345
1972	71	2	30	2	30	58	24	5	133	355
973	70	2	31	2	31	, 60	25	5	140	366 j
1974	69	3	33	2	32	64	` 2 8	5	141	378
1965	67	3	34	2	38	67	30	5	144	390
1976	66	3	36	2	42	70	34	6	150	40 9

Notes: 1. Information for the years 1960-1967 pertain to East & West Banks
2. Information for the years 1968-1976 pertain to East Bank only
3. Estimates made by SMS based on the following reports by Jordan
Department of Statistics:

a) Population Census 1961 (adjusted)
b) Multipurpose household survey, two reports 1972, 1974 and unpublished computer print outs for the years 1971, 1973 & 1975.
c) Manufacturing Census 1974
d) Agricultural Census 1974

e) Internal Migration Survey 1966
f) Manpower Surveys 1967-1973
g) Manpower Census 1974
h) Agriculture Sample Surveys, several years

Number of Workers in Mining & Manufacturing Industry
by Major Sub Sector in the East Bank of

Jordan

1					···	
		1959	1965 ½	1967	1968	1974
1 .	Mining & Quarrying	750	2241	2495	3129	2405
2.	Food Manufacturing	1813	1366	2933	3238	3479
3 .	Beverage	242	252	269	260	417
4 .	Tobacco	721	713	716	652	540
5.	Textiles	491	1117	1487	1328	1516
6.	Clothing	5 20	486	985	1505	4414
7.	Footwear	5 37	577	836	827	50 6
8.	Wood, cork	-	-	-		-
9 .	Furniture & fixtures	1227	813	1506	1891	20 32
10.	Paper & products	5 5	226	442	248	341
11.	Printing & publishing	512	42 2	415	925	768
12.	Leather & products	130	203	212	210	285
13.	Rubber & products	72	98	146	133	30
14.	Chemical products	31	403	358	364	8 97
15.	Petroleum refinery	• • •	77 5	917	958	1363
16.	Non-metallic minerals	986	1003	1413	1342	21 36
17.	Basic metal products	1072	770	2143	1945	15 83
18.	Non electrical machinery	178	58	18	17	-
19.	Electrical machinery	112	291	603	591	601
20.	Transport equipment	528	325	852	655	1466
21.	Miscellaneous	134	30	235	275	734
	Total	10 111	12169	18979	20493	25513

1965 figures are adjusted

Source: Jordan Department of Statistics: Various industrial survey reports.

Number of Persons Employed in Manufacturing
Industry Establishments Engaging 5 or more Persons in 1974

[East Bank]

ISIC Code	Type of Industry N	otal umber nployed	Profes- sional, Tech. & Clerical Staff	Skilled Labour	Un- skilled labour
311/	Food manufacturing	3418	244	3015	159
12 313	Beverage industries	346	29	220	107
314	Tobacco Manufactures	525	50	461	14
321	Manufacture of Tex.	1513	21 1	1272	30
322	Manufacture of wearing apparel	4407	71	4316	20
323	Manufacture of leather and products	285	27	194	64
324	Manufacture of foot- wear	506	15	484	7
332	Manufacture of furni- ture & fixture	2029	63	1959	7
341	Manuft. of paper & paper products	340	51	2 56	33
342	Printing & publishing	760	103	618	39
3 51	Manufacture of indust- rial chemicals	436	92	299	45
353	Petroleum refinery	1 350	242	856	2 52
3 5 5	Manufacture of rubber products	30	3	27	-
36	Manufacture of non- metalic minerals	1121	159	917	45
37 ′	Basic metal industries	1582	112	1455	15
38 2	Manufacture of machi- nery except electrical	L -	-		
383	Manufacture of elect- rical machinery	601	18	572	11
384	Manufacture of trans- port equipment	1462	18	1441	3
3 85	Other industries	734	21	705	8.
	TOTAL	21445	1529	19057	859

Table 1

(at Corroll bried) and an entition As

Private Public Private 88.45 27.2 13.05 102.76 28.12 11.48 102.36 29.04 13.95 116.82 33.04 12.86 123.47 32.27 12.80 138.04 36.79 13.55 149.61 39.17 15.20 158.55 46.36 11.15 153.36 58.61 14.69 164.47 67.08 22.74 150.60 60.00 29.00 165.60 77.00 31.00 201.60 119.00 34.00 286.60 138.00 41.00	Year	Consumption	tion	Gross Fixed Capital Formation	d rmation	Change in Stock	Imports of Goods and Services	Exports of Goods and Services	Gross Domestic Product	Net Factor Income from Abroad	A. N.
88.45 27.2 13.05 4.46 - 0.45 102.76 28.12 11.48 5.47 + 1.97 102.36 29.04 13.95 8.06 - 0.05 116.82 33.04 12.86 7.16 + 0.05 123.47 32.27 12.80 5.97 + 6.55 138.04 36.79 13.55 10.35 + 3.8 149.61 39.17 15.20 12.45 - 1.2 158.55 46.36 11.15 14.97 - 0.77 158.55 46.36 11.15 14.97 - 0.77 158.50 58.61 14.69 15.95 + 7.0 154.47 67.08 22.74 16.62 +25.2 150.60 60.00 29.00 15.00 +13.00 166.60 77.00 28.60 17.40 +13.00 201.60 119.00 34.00 53.00 286.60 138.00 41.00 53.00		Private	Public.	Private	Public Public	1					
102.76 28.12 11.48 5.47 +1.97 102.36 29.04 13.95 8.06 -0.00 116.82 33.04 12.86 7.16 +0.00 123.47 32.27 12.80 5.97 +6.55 123.47 32.27 12.80 5.97 +6.55 138.04 36.79 13.55 10.35 +3.8 149.61 39.17 15.20 12.45 -1.2 153.36 58.61 14.69 15.95 +7.0 153.36 50.00 29.00 15.95 +7.0 150.60 60.00 29.00 15.00 150.00 150.60 60.00 29.00 15.00 150.00 166.60 77.00 31.00 28.60 17.40 166.60 138.00 41.00 53.00 28.60 138.00 41.00 53.00		000	27.5	12.05	4 46		47.05	12.79	98.30	7.31	105.69
102.76 25.12 11.40 7.47 7.10 102.36 29.04 13.95 8.06 -0.00 116.82 33.04 12.86 7.16 +0.00 123.47 32.27 12.80 5.97 +6.50 128.04 36.79 13.55 10.35 +3.8 149.61 39.17 15.20 12.45 -1.2 158.55 46.36 11.15 14.97 -0.7 153.36 58.61 14.69 15.95 +7.0 150.60 60.00 29.00 15.00 150.00 150.00 150.00 150.00 150.00 150.00 150.00 150.00 150.00 166.60 77.00 31.00 28.60 17.40 166.60 138.00 41.00 53.00 28.60 138.00 41.00 53.00	1960	00.45	2.12	(0.01	2 7 7		7.67	16.95	120.14	7.00	127.14
102.36 29.04 13.95 0.09 - 0.00 116.82 33.04 12.86 7.16 + 0.00 138.04 36.79 13.55 10.35 + 6.55 138.04 36.79 13.55 10.35 + 3.8 13.8 11.15 14.97 - 0.7 153.36 58.61 14.69 15.95 + 7.0 150.00 15.00 150.00	1961	102.76	28.12	11.40	7.0			19.08	118.90	11.93	130.83
116.82 123.47 125.47 126.65 1280 5.97 7 6.53 138.04 136.79 13.55 10.35 7 12.80 12.45 7 13.85 11.15 14.97 7 13.85 11.15 14.97 7 13.36 15.36 15.36 15.36 15.30 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 166.60 17.00 18.00 18.00 19.00	1962	102.36	29.04	13.97	0 1		61.06	20.26	129.06	8.56	137.62
123.47 32.27 12.00 5.57 12.00 138.04 36.79 13.55 10.35 + 3.8 138.04 36.79 13.55 10.35 + 3.8 149.61 39.17 15.20 12.45 - 1.2 158.55 46.36 11.15 14.97 - 0.7 153.36 58.61 14.69 15.95 + 7.0 154.47 67.08 22.74 16.62 +25.2 134.30 57.00 17.00 9.00 15.00 150.60 60.00 29.00 15.00 15.00 166.60 77.00 31.00 24.00 201.60 119.00 34.00 46.00 286.60 138.00 41.00 53.00	1963	116.82	33.04	12.00	. 10		56.65	24.57	148.95	11.67	160.62
138.04 36.79 13.55 10.35 7.50 149.61 39.17 15.20 12.45 -1.2 158.55 46.36 11.15 14.97 -0.7 153.36 58.61 14.69 15.95 +7.0 134.30 57.00 17.00 9.00 +13.0 150.60 60.00 29.00 15.00 15.00 150.60 60.00 29.00 15.00 15.00 166.60 77.00 31.00 24.00 201.60 119.00 34.00 53.00 286.60 138.00 41.00 53.00	1964	123.47	32.27	12.90	16.0		63.55	28.54	167.61	12.93	180.54
149.61 39.17 15.20 12.42 - 1.52 158.55 46.36 11.15 14.97 - 0.7 153.36 58.61 14.69 15.95 + 7.0 164.47 67.08 22.74 16.62 +25.2 134.30 57.00 17.00 9.00 +13.0 150.60 60.00 29.00 15.00 +13.0 164.70 70.00 28.60 17.40 166.60 77.00 31.00 24.00 201.60 119.00 34.00 53.00 286.60 138.00 41.00 53.00	1965	138.04	67.98	13.55	10.55		76.60	32.06	170.63	15.15	185.78
158.55 46.36 11.15 14.97 - 0.7 153.36 58.61 14.69 15.95 + 7.0 164.47 67.08 22.74 16.62 +25.2 134.30 57.00 17.00 9.00 +13.0 150.60 60.00 29.00 15.00 164.70 70.00 28.60 17.40 166.60 77.00 31.00 24.00 201.60 119.00 34.00 46.00 286.60 138.00 41.00 53.00	7 366	149.61	39.17	15.20	14.47		89 69	27.66	194.71	11.24	205.95
153.36 58.61 14.69 15.95 + 7.0 164.47 67.08 22.74 16.62 +25.2 134.30 57.00 17.00 9.00 +13.0 150.60 60.00 29.00 15.00 +13.0 164.70 70.00 28.60 17.40 166.60 77.00 31.00 24.00 201.60 119.00 34.00 46.00 286.60 138.00 41.00 53.00	1961	158.55	46.36		14.9/		ာ ရေ ရေ	28.27	186.91	10:37	197.28
164.47 67.08 22.74 16.62 +25.2 134.30 57.00 17.00 9.00 +13.0 150.60 60.00 29.00 15.00 +13.0 164.70 70.00 28.60 17.40 166.60 77.00 31.00 24.00 201.60 119.00 34.00 46.00 286.60 138.00 41.00 53.00	1968	153.36	58.61		15.95	10.7 +	8.08	70.00	91.00	14.03	233.72
134.30 57.00 17.00 9.00 +13.0 150.60 60.00 29.00 15.00 164.70 70.00 28.60 17.40 166.60 77.00 31.00 24.00 201.60 119.00 34.00 46.00 286.60 138.00 41.00 53.00	1969	164.47	67.08		16.62	+25.21	108.69	8	17.071	12.64	185.38
150.60 60.00 29.00 15.00 164.70 70.00 28.60 17.40 166.60 77.00 31.00 24.00 201.60 119.00 34.00 46.00 286.60 138.00 41.00 53.00	1970	134.30	57.00	17.00	9.00	+13.00	89.89	£.33	186.40	9.70	196.70
164.70 70.00 28.60 17.40 166.60 77.00 31.00 24.00 201.60 119.00 34.00 46.00 286.60 138.00 41.00 53.00	1971	150.60	00.09	29.00	15.00	1	97.76	01.63 ور 64	302 70	08-01	213.70
166.60 77.00 31.00 24.00 201.60 119.00 34.00 46.00 286.60 138.00 41.00 53.00	1972	164.70	70.00		17.40	1	118.10	40.10 04.10	218.30	19.80	237.80
286.60 138.00 41.00 53.00	1973	166.60	77.00	31.00	24.00	1	136.10	8.40	284.10	30.80	316.70
286.60 138.00 41.00 53.00	1974	201.60	119.00	34.00	46.30	1	26.767 OF 106	00.121	338.50	61.50	400.00
	1975	286.60	138.00	41.00	53.00	1	51.10C	08 891	411.10	122.70	533.80
80.00 80.00	1976	334.6	155.00	80. 00	63.00	1	360.30	3			

The information for the years 1960-1969 pertaining to East and West Banks The information for the years 1970-1975 pertaining to East Sank Note: 1.

Source:

Department of Statistica, National Accounts Reports Five Year Plan, National Planning Council For the years 1974-1976, estimates made by SMS 44%

at 1970 Maket Prices) in Hillon Jr

Year	Consumption	tion	Grous Fixed Capital Formation	d rmation	Change in	Imports of Goods	Exports of Goods	Gross Demestic Product	Net Factor Income from	ط ت
	Frivade	Public	Private	Public	۲	data del trocs			Abroal	
	118.09	36.32	15.76	5.39	- 0.51	56.82	14.77	133.00	8.83	141.83
1961	136.39	37.05	13.60	6.48	+ 2.33	55.23	19.78	160.40	8.29	168.69
1962	133.80	37.96	17.01	9.83	- 0.20	63.17	21.37	156.60	14.55	171.15
1963	153.71	43.47	15.53	8.65	+ 0.20	73.74	23.39	171.21	10.33	131.54
1364	161.61	45.24	15.46	7.21	+ 7.87	68.42	27.79	193.76	14.09	207.85
1965	173.42	46.22	16.36	12.50	+ 4.70	76.75	30.43	206.88	15.62	222.50
1966	183.80	48.12	17.84	14.61	+ 1.48	89.91	34.85	210.79	17.78	228.57
1967	182.03	53.23	12.49	16.76	- 0.78	71.31	26.70	219.12	12.59	231.71
368	175.69	67.52	16.29	17.68	+ 7.77	100.86	25.33	210.42	11.50	221.92
5961	175.72	71.67	24.56	17.95	+27.22	117.38	28.00	227.74	15.15	242.89
2.67	134.30	57.00	17.00	00.6	+13.00	89.89	32.33	172.74	12.64	185.38
1971	147.85	58.82	28.43	14.81	ı	95.98	29.87	183.80	9.51	163.31
1972	152.50	64.81	26.98	16.42	ı	111.82	39.31	188.70	10.19	198.89
1973	144.87	96.99	26.72	89.63	ı	17.71	54.17	195.70	17.07	212.77
1974	160.00	94.44	25.76	34.85	•	. 136.98	40.70	218.77	23.33	242.10
1975	206.19	99.28	26.28	33.97	ı	71.771	48.40	236.95	39.42	276.37
1976	223.07	103.33	45.71	36.00	ı	216.60	63.38	254.89	70.11	325.00
										-

Notes:

1. Information for the years 1960-1969 pertaining to East and West Banks
2. Information for the years 1970-1976 pertaining to East Bank only
3. Consumption, was deflated by the cost of living index
4. Gross fixed capital formation, change in stock, imports and net income from abroad were
deflated by the imports price index.
5. Exports of goods and services were deflated by the exports price index
6. Calculations made by SMS.

Table 9

Gross Domestic Product by Sector of Prefertion 1960-1975 (S. Million at Current Million)

Year	Agricul- ture	Mining & Manufacturing	Electri- city, Gas & Water	Const- ruction	Trade & Services	Trans- port	Finance & Real Estate	Community Services	G.D.P. at Factor Cost	Indirect Taxes	G.D.P. at Market Price
960	14.62	68.89	0.69	4.50	27.83	11.12	8.00	15.79	89.44	8.86	98.30
1961	25.30	8.83	0.67	4.50	32.91	12.64	9.58	16.74	110.87	9.27	120.14
7967	20.90	90.08	0.64	6.15	33.14	12.53	10.04	17.06	108.62	10.28	118.90
1963	22.08	10.62	0.93	6.12	36.80	12.77	10.74	17.61	117.67	11.39	129.06
1964	34.14	12.53	1.03	5.45	39.20	12.03	11.44	19.70	135.52	13.43	148.95
1965	34.11	16.22	1.68	7.87	44.26	12.60	12.80	21.41	150.95	16.66	19.761
995	27.65	17.27	2.26	9.28	42 86	14.42	13.97	22.03	149.74	20.89	170.63
1967	38.74	17.50	1.78	8.69	54.25	14.84	15.30	26.01	177.11	17.60	194.71
- a	57.53	20.05	2.27	9.83	45.71	14.55	15.30	33.25	168.49	18.42	186.91
0961	36.34	23.32	60.5	10.89	56.63	16.01	16.98	36.28	198.34	21.35	519.69
070	20.5	17.00	1.50	6.00	45.00	13.00	14.00	37.94	152.44	20.30	172.74
ניסר	23.00	17.70	2.20	7.30	47.90	14.60	13.90	38.70	166.20	20.20	186.40
1 2	21,70	19.80	2.50	9.50	52.60	17.30	14.70	40.50	178.30	24.40	202.70
1973	17.60	22.60	2.80	15.20	56.30	18.00	15.40	41.00	188.90	29.40	218.30
1974	38.50	43.10	3.50	17.00	65.00	21.00	18.00	45.00	251.10	33.00	284.10
1975	28.00	20.00	4.50	25.00	85.00	26.50	22.00	55.00	292.50	46.00	338.50
926	41.00	56.30	4.80	27.00	104.00	30.06	26.00	64.00	353.10	58.00	41.10

Source: 1. Department of Statistics, National Accounts Reports

National Planning Council, Five Year Plan

For the years 1974-1976, estimates made by SMS

1. Information for the years 1960-1969 pertain to the East & West Banks of Jordan 2. Information for the years 1970-1975 pertain to East Eank only. Notes:

Great Domestic Profession (1.3 communication 1960-1975) (at 19.0 Samest Frances) in its Militon

(d (d) (d)	Agriculture	Mining and Manufac- turing	Electricity Gas and Water	Const- ruction	Trile & Services Rest. Cof. Hotel	는 명 명 명 명 명 명 명 명 명 명 명 명 명 명 명 명 명 명 명	Finance & Real Estate	Community Services	G.D.P. at Factor Cost	Indirect Taxes	G.D.P. at Karket Prices
960	19.80	9.30	05.0	6.10	37.70	15.00	10.80	21.40	121.00	12.00	133.00
196	33.80	11.80	8.0	co.9	43.90	16.90	12.40	22.30	148.00	12.40	07.091
295	27.50	10.60	0.80	8.10	43.70	16.50	13.20	22.60	143.00	13.60	156.60
.963	29.30	14.10	1.2	8.10	48.80	16.90	14.30	23.40	156.10	15.11	171.21
964	44.40	16.30	1.30	7.10	51.00	15.60	14.90	25.60	176.20	17.56	193.76
965	42.11	20.00	2.10	17.6	54.61	15.51	15.81	26.42	186.27	20.61	206.88
996	34.50	21.30	2.70	11.50	52.90	17.80	17.00	27.20	184.90	25.89	210.79
7967	43.60	19.70	5. 00	9.70	61.00	16.70	17.20	29.30	199.20	19.92	219.12
868	31.00	22.50	2.60	11.60	51.10	16.40	17.20	37.10	189.50	20.92	210.42
1969	37.90	23.90	2.20	10.90	58.90	16.60	17.60	37.70	205.70	22.04	227.74
016	21.00	17.00	1.50	6. 00	42.00	13.00	14.00	37.94	152.44	20.30	172.74
176	23.60	17.50	2.20	7.20	47.10	14.40	13.70	38.20	163.90	19.90	183.80
972	20.20	18.20	2.50	8.60	.18.90	16.10	13.70	37.70	165.90	22.80	188.70
973	15.80	20.00	2.70	13.70	50.50	16.20	13.80	36.70	169.40	26.30	195.70
974	29.65	33.19	2.70	13.09	50.05	16.17	13.86	34.65	193.36	25.41	218.77
975	19.60	35.00	3.15	15.40	59.50	18.20	15.40	38.50	204.75	32.20	236.95
576	25.42	34.91	2.98	16.74	64.48	18.60	16.12	39.68	218.83	35.96	254.89

Notes: 1. Calculated by SMS

2. From 1960-1969 for East and West Banks

3. From 1970-1976 for East Bank only

Gross Output and Value Added in Mining & Manufacturing Industry at Current incom

(C) ar (C)

		19	1960		1962	1964	4	1965	5	196	968	1970		1972		1974	J	1975	5	1976	
Code Code	Type of Industry 1/	D.0.	V.A.	0.0	V.A.	0.0	A.	D.0.	V.A.	5.0.	V.A. I	D.0.	V.A.	٥٠٥. ١	V.A. I	D.0.	V.A.	υ. Ο.	V.A.	D.C.	۷.۶.
۵	Maning & quanting	1	77.6	2279	1346	2422	1695	3423	2492	4112	3242 4	4384	3332	3858	2932 1	3344 11	203 1	1 0006	3000	7800 1	
r- 		9105	959	4289	1019	7297	1752	8969	2137	9287	2702 (6407	1858 (6879	1995 14	4456	5409 1	£000	6000	() () () ()	
41.		340	000	207	122	570	225		0	759	435	454	465	716	401	1819	479	5500	COL	3000	
3 17	Totaco manufactures	2003	3 2	1789	351	2450	978	2573	799	3434	886	1860	635	2612	548	3424	1928	3500	2000	4200	5:00
321	Ma acture of textile	374	207	310	108	1412	528	1897		2593	934	1764	377	5069	745 4	6007	2718	4500	3000	5500	3700
322	Manufacture of wearing apparel	1760	8 80	1036	1145	1161	578	1753	794	1840	892	492	128	888	435 2	2545	1626	3000	1800	4000	2ť.:
323	Manufacture of leather & products	92	22	400	70	361	85	665	184	564	249	267	326	479	230	1034	880	1200	1000	1500	336
324	Larufacture of footwear	, I	1	1	ı	1485	819	1355	583	1 300	604	402	129	887	408	622	526	800	300	906	() ()
332	Manuft. of furniture and fixture	913	548	420	421	1853	849	2348	1074	2218	1114	1363	695	9291	855	2494	1079	3000	1300	3500	
(4) (4)	Manufacture of paper and products	78	23	97	46	164	53	280	.80	407	109	85	22	104		1002	335	1200	400	1400	() · (
3:2	Frinting and publishing	323	132	385	222	524	561	199	340	1281	663	714	350	849	416	1182	547	1500	909	1/00))
351	Manufacture of industrial chemicals	215	. &	450	125	1299	362	1690	684	2365	1042	1921	775	2279				4400		5200	0) 0
353	Petroleum refinery	1	1	3071	1070	4510	1458	4639	1976	5220	2355	4172	1860	6889	3700	9286	4810 1	11500	0009	17100) D
355	Manufacture of rubber products	297	. 89	115	8	44	8	53	39	62	48	51	39	20	39	27	ω	1	1	ı	ī
36	Manufacture of non metallic minerals	2076	1552	1839.	1356	2622	1574	3175	1901	3845	2692	21.32	1450	5365		6347	3265	6933	3500	7500	() () () () () ()
3.7	Easic metal industries	989	355	462	234	1550	682	5266	1117	2987	1264	3929	1650	4505	1881	6364	رز 8.4 در	200	6100	200	; ;
382	Manufacture of machinery except electrical	133	4.7	111	79	37	22	38	17	4	7	23	۵	12	9	1	1	1 0	1 (1 :
383	Manit. of elect. machinery		ይ	α	7	300	152	199	219	2 61	191	717	244	512	174	1252	. 1 2 1 1 1 1 1 1 1	1200	00%	9 00	, , , ; , (
: (0) (0)	Manift. of transport equipt.		173	159	125	537	300	746	501	423	282	676	453	740	496	1 (c)	107		000		- 1 - 1 [i i.
335	Other industries	478		69	18	~		602	283	1061	370		189	611	214	٧ (0001		00.54	1272
	TOIAL	15143	6862	17760	1998	30841	12494	38233 1	16074 4	44333 1	0680	32767 1	4583	1 /4414	/ £96 <u>9</u> .	40.59	, 57754	204.1	- 1		
																	l				

Notes: 1. Information for the years 1960-1968 pertaining to the Bast and West Banks 2. Information for the years 1970-1974 portaining to the East Eark only Serve: 1. Department of Stainstics for the years 1960-1968 and 1974?

2. SMS for the years 1970-1972, 1975 and 1976

1/2.0. = Demostre Out-put

V.A. = Value Added

Taile 12

Domestic Output, Imports, Exports and Apparent Conserved of Wishing & Industrial Products Domestic Output, asket survest.

(Va. ue .: 1: 1: 12:11:1

		196	0			1 9 0				2 9 7	0			1 9 7 5	5	
ISIC	oiteemo tuqti	stroqu	chorts	rou bbarent bbarent	neatic pmeatic	stroqu	sliodx	angungu -dwnsud -dwnsudd -dwn -dwn -dwn -dwn -dwn -dwn -dwn -d	gndgr ofgswoo	stroqm	xports	uot -dumbuo quaqudd	գովդր Ծլդոսաս	ed Toqm	xbo r ca	uor -dumento 1 uouvedd
######################################	1639.0	17	7		🔻	'	24 30 . 3	o c		ı	1.	1		1	19564	
Food marufacturing	3219.0		86.7			4537.9	371.4	3153.5	11241.0	4196.3	321.2	15116.1	16000.0	18116.8	£51.6	33265.2
Eeverage industries	369.0	81.4	1	450.4	539.0	85.5	ı	624.5	536.3	117.1	11.1	642.0	2500.0	485.7	239.4	2745.3
Totacco manufactures	2053.0	440.4	57.4	57.4 2386.0 257	3.0	704.7	425.6	2852.1	2240.0	649.5	519.0	2370.5	3500.0	780.0	765.6	3514.4
Taxufacture of textiles	374.0	374.0 4471.2	33.3	4811.9 189	0.	6944.8	न्रःइ	8810.7	1556.0	6084.3	202.6	7437.7	4500.0	13370.8	877.9	16992.3
"f. of wearing apparel	950.0	950.0 1003.3	1.0	1.0 1952.3 175	3.0	1091.3	25.€	2818.7	1204.0	1540.1	29.6	2714.5	3000.0	6672.5	665.5	9.02.0
Caruf. of leather and	36.0	421.8	ī	457.8	6.599	252.6	ν. υ.	912.1	292.0	219.3	1.3	510.0	1200.0	588.2	335.8	2403.0
Enuf. of footwear	910.0	313.7	3.9	3.9 1219.8 135	5.0	233.4	27.0	1561.4	1102.0	212.9	37.3	1277.6	800.0	1087.3	166.8	1720.5
aru: of furniture	913.0	90.6	6.7	996.9 234	8.0	136.5	5.9	2478.6	2352.0	139.6	3.4	2528.2	0.0003	482.3	ر ن د.ه	0 6 6 7
Sand of paper and saper products	78.0	698.8	3.7	773.1	280.0	1350.0	45.8	1584.2	462.0	1427.7	149.9	1739.8	1200.0	1619.9	383.4	 E
Printing & publishing	323.0	1	1.3	321.7	0.199	1	5.8	655.2	6.085	ı	ı	980.0	1500.0	ı	0.9	7494.0
Chemicals	215.0	215.0 1920.2	11.8	11.8 2123.4 1690.0		3560.0	82.7	5167.3	2318.0	4530.8	287.0	6561.8	2800.0	13548.4	2554.7	14193.7
Petroleum refinery	1	3319.3	1	3319.3 463	0.6	3247.3	100.8	7785.5	3015.5	3705.0	8.3	2	ં	175		٠ د د د
Canuf. of rubber products	297.0	994.4	1	1291.4	53.0 1	1149.4	1.7	1200.7	ુ. જ.	663.4	0.1	940.4	0.09	3213.3	9.5	3254.7
Thuf. of non-metalic minerals	2076.0	2076.0 1163.9	40.8	21,69.1	3175.0	1116.3	113.6	4177.7	1546.0	1353.9	366.1	2533.8		4168.5	1966.5	() ()
Easic m. tal industries	686.0	686.0 7035.9	8.01	20.8 1.11.77 226	0.9	9401.5	11.6	11655.9	5380.01	1269.0	12.4	16£36.6	6,0069	:5773.3	9.195	517.
Canuf. of machinery except electrical	133.0	429.6	ı	562.6	38.0	434.4	ı	472.4	40.0	982.3	l	1022.3	8000.0	3300.6	1	0
Conuf. of electrical columns.	52.0	52.0 1840.1	1	- 1832.1	561.0 2	2207.2	123.3	2644.9	623.≎	2186.5	303.7	2705.8	0.3031	13022.3	23.0	
Thunt. of transport equipt.		259.0 2239.6	1	2498.6	746.0	3707.7	ı	4453.7	925.C	4702.9	1	2	300.		1	ري رين
Other industries		478.0 1555.0	76.1	76.1 1956.9	602.0	2796.1	81.5	3316.6	S86.0	4753.2	9.97	5632.6	1000.0	4423.5	61.7	F. 262.4

Source: Jordan Department of Statistics, several External Trade Yearbooks & industrial survey reports.

Table 13

Domestic Output, Imports, Exports and Arparent Concumption for Selected Minerals and Manufactured Products in Selected Years

			,	77.0			9 6	5.27			6 4	703			197	53	
			0 0 5 7		+		٦Г		t		i		u				u
Cormodity	Unit	omestic utput	ajrodm	stroqxî	onsumption Jouenmbtion	Jugaric Jugari	Importa	Exports	Apparent Consumptior	Domestic Juqiuo	stroqmI	Exborts	Apparent Consumptio	Domestic JugtuO	lmports	Exports	οτη dwnsuog φυσαπα ddy
Tatural phosphate	1000 Ton	361.9		318.8	42.2			604.6	223.3	912.7	,	656.2	256.5	1352.5	-	1112.0	240.5
Cement	1000 Ton	164.8	53.4	1.5	216.7	305.0	5.4	11.2	299.5	377.5	5.7	55.7	327.4	572.2	7.9	73.5	506.6
Petroleum Products	1000	ı	212.5	ı	212.5	379.4	39.3	15.3	403.4	440.1	45.6	0.	484.7	756.1	10.9	10.7	750.3
Tanned leathers		1	655.6	0.1	654.6	620.7 842.0	942.0	26.0	1434.7	374.3	445.6	0.1	818.9	9.039	905.9	571.9	9.199
QE og	Ton	2928.0 461.0	461.0	35.0 335	3354.0	3390.0 100.0	0 0 DI	91.0	4319.0	2175.0	497.8	144.7	2527.9	2632.0	6.057	303.5	7.00ts
C arettes	Ton	946.1	,	35.0	311.1	1164.2	ı	308.0	856.2	1609.8	13.4	333.3	1289.9	1998.0	27.3	39.5	1985.8
H Total	1000 Ton	1	19.8	ı	ì	, I	35.7	ı	1	24.0	11.5	m. 0	32,5	31.3	20.7	0.2	η. C1
Beverages	1000 Litres 529.7	529.7	380.6	1	910.3	1944.0	6.96	1	2040.9	2195.5	129.4	1	2324.9	5625.4	392.9	1245.1	01
		_			_	_											

1 Figures for both East & West Banks of Jordan
2/ Figures for East Bank only

Scurce: Jordan Department of Statistics, several External Trade Yearbooks, and Industrial Survey Reports.

Breakdown of Gross Fixed Capital Formation
by Destination. Major Sectors of the Economy
(In JDs Million)

	I.S.I.C. Category	1960	1965	1970	1975
1.	Agriculture	1.25	2.23	3.80	9.43
2.	Mining & quarrying	0.28	1.55	4.30	5.20
3.	Manufacturing	0.97	13.06	17.20	23.00
4.	Construction	5.28	6.00	7.10	20.50
5.	Transport, equipment, storage	3.79	4.41	2.40	7.40
6.	Finance, real estate electricity, gas, water, whole sale and retail trade and restau- rants, and community services	8.45	9.93	12.36	29.47
	Total	20.02	37.18	47.16	95.00

Source: 1. Jordan Department of Statistics, National Income Accounts, several volumes.

2. National Planning Council, Five Year Plan (1976-1980).

Gross Fixed Capital Formation by Destination in

Mining & Manufacturing

(In Thousand Jbs)

		72			
ISIC Code	Category	1965	1967	1968	1974
2	Mining	1549	3919	4068	8391
311	Food	1410	1613	1549	5817
313	Beverage	384	612	400	1252
314	Tobacco	350	535	401	2076
321	Textile	463	1050	1157	2225
322	Wearing	87	71	650	408
323	Leather .	202	316	359	5 3 1
324	Footwear	108	226	674	51
332	Furniture	378	397	1314	731
341	Paper	71	_. 520	590	677
342	Printing	447	242	625	880
351	Chemicals	890	956	1313	1810
353	Petroleum	2588	5246	5623	18841
35 5	Rubber	21	18	41	15
36	Non-metallic	3089	3566	1169	8917
37	Basic metal	647	879	99 8	1911
382	Non electrical	5	5	12	-
383	Electrical	176	311	267	738
384	Transport	172	229	215	269
385	Other	22	36	16	305
	Total	1 3059	20 757	21441	50845

Source: Department of Statistics, Jordan.

Table 16

Imports by SITC Category in US \$ Willion CIF (at current Market Prices)

1												
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1964	1965	1966	1961	1968	1969	1970	1971	1972	1973	1974	1975
Cċ	38.1	39.8	49.I	38.2	44.1	49.9	52.3	56.4	76.4	93.4	135.1	149.2
C1	1.5	2.1	2.2	3.1	3.7	3.5	2.0	3.3	3.3	3.5	3.0	
Q	6.1	0.5	8.5	7.3	6.4	7.7	6.7	6.5	7.9		13.9	•
<u>ع</u>	7.7	9.0	9.6	8.4	9.0	10.7	10.3	13.6	12.8	12.6	16.5	75.2
70	5.6	3.1	3.6	5.6	1.4	1.5	1.3	2.2	3.1	4.6	3.6	3.8
in C	9.9	8.5	10.3	8.1	8.5	9.6	10.7	0.6	15.0	17.3	25.5	36.9
90	34.3	40.4	46.3	40.5	37.4	48.4	43.3	33.4	53.3	70.3	107.1	135.4
2.2	59.6	27.4	33.0	32.7	31.2	36.5	29.6	42.3	43.6	52.1	111.7	223.6
ထ ()	6.5	7.5	8.6	6.8	& .8	10.6	10.1	11.7	18.9	18.7	27.6	50.7
6 С	8.1	12.7	19.8	7.5	10.5	11.3	18.5	33-3	32.5	46.0	50.1	10.4
Total	141.1	0.161 0.761	191.0	154.2	161.0	189.7	184.8	214.7	2,66.8	327.8	494.1	7.907

Central Bank of Jordan, Monthly Statistical Bulletin, several issues Source:

The US \$ values were calculated on annual current exchange rate which is:

\$ 2.8 = 1 JD 3.1 = 1 JD 3.0 = 1 JD 1964 - 1972 1973 - 1975

Table 17

Imports by SITC Category in U.S. \$ Million C.I.F. (At 1970 Market Price)

SITC Code	1964	1965	3961	1961	1968	6967	1970	1971	1972	1973	1974	1975
0	42.3	42.3	51.2	37.5	43.9	43.5	52.3	58.1	67.3	81.3	89.9	101.9
Н	1.7	5.5	1.9	3.1	4.0	3.7	2.0	3.0	2.9	3.1	2.8	2.9
2	7.3	7.7	10.0	8.0	21.0	8.4	2.9	6.3	7.1	7.2	8.0	11.9
m 	8.4	9.8	10.3	8.9	9.1	11.4	10.3	10.2	12.8	12.1	14.2	20.6
4	3.2	4.1	3.5	5.6	1.1	1.2	1.3	1.5	2.0	3.3	2.1	2.1
~	6.2	8.1	8.3	7.1	6.2	6.6	10.4	8.3	14.2	13.7	18.2	20.3
9	37.9	44.1	50.0	43.6	40.3	67.4	43.3	31.1	31.1	67.1	75.9	54.1
۲	47.1	37.5	48.7	45.7	29.8	38.1	29.6	46.6	18.4	61.1	90.4	188.5
80	7.9	6.9	9.9	7.7	10.9	16.1	10.1	11.6	18.6	19.6	22.4	32.0
61	10.2	15.1	22.8	8.5	11.8	19.5	18.5	33.3	29.6	48.5	38.1	2.4
Total	172.2 180	180.8	216.6	216.6 172.7	178.1	219.2	184.5	210.0	204.0	219.2 184.5 210.0 204.0 317.0 362.0	362.0	436.7

Calculations made by SMS.

Table 18

Exports by SITC Category in U.S.\$ Million FOB (At Current Market Prices) 1964-1975

0000 DELE	1964	1065	1966	7961	908	1969	1970	1971	1972	1973	1974	1975
onac	1201	1004	2067	201	201		2171					
0	8.8	10.9	11.3	13.0	9.5	15.4	16.8	13.3	17.2	15.3	30.6	32.6
н	t	ı	1	ı	1.5	1.6	1.9	1.5	1.6	2.8	2.8	3.2
8	1.7	1.2	6.0	p.9	12.5	10.8	æ æ	8.4	13.4	15.0	64.1	64.3
m	7.5	7.8	10.2	10.4	0.2	0.1	ŧ	0.1	1	9.0	0.4	9.0
4	0.1	, 1	•	0.5	0.8	1.1	0.5	1.2	1.1	0.4	1.5	1.3
70	ŧ	ı		0	0.2	0.5	6.0	1.4	1.1	2.1	3.9	6.2
9	0.3	0.3	4.0	0.4	Ф	5.6	2.7	3.9	8.7	7.3	18.7	13.1
7	0.1	0.3	9.0	0.5	0.5	9.0	1.1	1.2	1.6	1.5	1.9	1.5
œ	0.5	9.0	9.0	0.5	0.8	9.0	0.7	2.0	9.0	1.0	2.1	5.1
Ø	0.1	0.1	0.1	d.0	0.1	0.1	0.1	0.1	i	0.1	ı	1
Total	19.1	21.2	24.1	27.1	34.0	33.4	33.5	31.8	45.3	46.1	126.0	127.9

Source: Central Bank of Jordan, monthly statistical bulletins.

Table 19

Exports by SITC Category 1964-1975 in US\$ Million F.O.B.(At 1970 Frices)

ISIC Code	1964	1965	1966	1961	1968	1969	1970	1971	1972	1973	1974	1975
0	5.6	23.2	35.7	27.5	29.5	27.3	15.3	24.7	24.5		46.4	9.07
н	1.6	1.1	0.8	1.7	1.2	2.0	1.2	1.1	1.0	2.3	2.1	2.8
8	6.4	6.7	8.6	8. 9	10.6	9.5	9.9	9.9	9.5	15.5	16.2	12.5
m	0.1	ı	1	0.2	0.2	0.2	0.1	0.1	i	0.4	0.3	0.7
4	9.0	0.4	0.5	6.0	0.8	0.8	6.0	1.1	6.0	0.3	1.0	1.0
ĸ	ı	I	0.1	0.1	0.2	0.7	1.1	1.0	0.7	1.7	3.0	5.5
9	0.3	0.3	0.3	4.0	1.5	3.2	3.0	2.8	5.5	5.8	13.8	11.5
7	0.1	0.3	0.3	0.4	0.4	0.5	0.9	1.2	1.4	1.3	1.4	0.8
ω	0.4	9.0	9.0	0.5	9.0	0.8	0.5	0.5	0.4	0.8	1.7	4.5
6	0.1	0.1	0.1	0.1	ਰ•0	0.2	0.1	0.1	1	0.1	I	ı
							i					
Total	15.2	32.7	47.0	40.7	44.8	44.9	29.7	39.5	43.9	8.95	85.9	109.9

.

Value of Importa (CIF) of Sciented Mining and Industryal Committees (Industryal Committees

Harata Jarata	Commodity	1960	1961	1962	1963	1974	1965	396E	1967	1968	1969	1970	1251	1972	(1) (1) (1)	1974	 €.
15.7.%.2	Cther Vegetable oils (coconut oil) etc.	16	ដ	412	748	57.8	946	673	383	300	392	312	505	9:36	563	693	£13
15.13.4	Vegetable Enee	555	102	27	8	tr-	ı	5.7	53	84	32	12	1	ರ	.*) .*)	101	10
26.2	Other prepared or preserved mest	1	ı	174	125	160	233	219	267	357	446	343	433	625	100	687	420
16.4.3	Prepared or preserved fish	159	159	195	201	158	207	191	272	16	115	171	237	218	270	403	418
17.1.B	Refined sugar	1257	1159	1252	3112	1940	2037	1963	1520	1757	2144	2001	2084	5021	1604	6353	11156
17.4	Sugar confectionery not con- taining cocoa	82	88	92	85	61	8	8	6.1	76	75	102	102	153	1.37	285	331
20.2.A	Tomatoes and tomato juice	ı	56	15	23	ı	45	22	14	45	13	12	1	1	60	211	272
21.6	Natural yeasts (active or in- active)	53	58	99	4	78	89	64	19	56	74	100	16	164	82	181	737
22.9.B.2	Whiskey - litre	Q	*	46	62	55	55	4 6	95	149	113	1.	106	134	137	174	306
23.4	Oil-cake and other residues	ı	ı	ı	ı	. 45	52	ı	17	1	70	509	299	416	814	1119	707
23.7.4.1	Concentrated materials used for preparation of forage	ı	1	11	70	109	162	299	. 349	ì ra	383	361	402	635	566	5 0 0 0 0 0	625
23.7.0	Ready forage	1	ı	ı	1	•	1	1	1	1	1	1	t	1	84	284	80t
24.1.B	Tobacco leaves	43	321	577	343	419	571	574	905	1045	993	575	939	859	741	n 4	679
25.23.A	Cement	397	154	211	82	99	62	286	252	9	125	17	47	70	101	185	205
27.9	Petroleum & shale oils crude	438	1072	1307	1704	1862	21 30	2432	2150	2166	5619	2524	41.37	3313	3335	3.50	22794
27.10.E	Lubricating oils and greases	321	289	446	387	444	450	4 71	441	42	641	497	413	979	111	1433	1373
28.8	Sulphuric acid, olsum	•	1	•	14	15	33	33	£1	1	1	1	11	35	65	67	554
30.3.D.2	Other medicaments	413	454	507	594	678	914	22	1015	101	1013	1052	80 6	1378	1477	1776	2338
31.2	Mineral or chemical fertilizers, nitroginous	16	35	82	79	51	87	191	205	104	73	4	55	86	216	418	132
31.3.1	Wineral or chemical fertilizers, phosphatic	55	12	52	37	54	19	13	14	62	59	64	ě	1	65	164	245
31.5	Other fertilizers	ı	ı	ı	ı	i	ı	52	16	1	1	•	67	166	124	1370	360
33.6.D	Perfumery cosmetics	28	60	106	113	112	126	155	121	191	228	183	164	258	300	45	555
34.2.A	Products used for washing pre- parations	1	1	156	1	1	1	32	62	17	8	75	76	114	66	385	557
38.11.B	Disinfectants, insecticides	55	8	75	35	104	132	179	121	143	36	172	151	254	305		395

Tuble 20 (Conta)

															i		
64 64 64 64 74 74 74 74 74	Commodity	1960	1961	1965	1963	1964	1965 1	1966	736.	1968 1	1969	1970	1971	1972	1973	974	1975
39.2. A	Liquides, pactes of polymerisa-		ı		7.7	116		105	19	120	182	181	135			413	11 12 14
, ,	E TARRETT TOT TREET	١	ı		45	45		138	20	29	39	46	93			52€	242
39.3.0		R 27	*		68 11	647	• •	1094	737	826	919	623	543			730	2416
40.11.4		9	7	133	258	107		520	138	107	138	9	185			433	235
1 - 1 + 1		424	320		38	418		115	295	499	502	483	250			109	967
4 C V V V V		126	101		101	125		180	99	133	86	99	34			8 2	302
) K	Direction and the second	165	199		30	295		281	5.4	141	17	219	164			243	463
4 - 7 - 4 - 4	Don't war of contains of		. 1		1	ı		199	805	ı	ı	ı	1			ı	838
44.1	Mailwey steepers of most	147	160		8	207		262	191	170	112	58	239			508	253
G 21 44		1	ı		1	1		ĸ	41	35	72	516	55			259	5 00
E 12 23	Monday nacking cases. Dozes. Crates	50	39		99	44		151	4	85	7	98	85			250	230
C. 13.44	Nementary for with continue		125		13	133		196	95	98	79	42	11			476	437
48.1.7.2	Other kinds of paper	•	•	45	9	89		124	365	204	113	156	151	425	413	930	750
48.15.B.3	Other kinds of paper other than			,,	Ş	4.4		50	55	42	95	22	4		63	226	295
,	46.1.F.2	٦ (1 1	. ee	3 8	35	154	149	: &	174	146	208	96	211	429	845	507
¥-01-04	raper ones to the province of the second	. 1		7.	: נונ	160	118	135	111	102	1	139	165	272	197	525	469
46.16.0	Other boxes and bags of paper	1 4	, ,	\$ 6	; =	105	נגנ	ואנ	ווכ	158	145	114	275	250	209	350	255
49.1	Printed books, booklats & leaflets	-	ě	3	٠	(21	557	2	177	2 6		, ,			577	9,00	270
1.13	Yarn of man-made fibres	1	11	46	4 6	3	901	248	132	23/	370	5 5	763	200		2	ř
\$2.4.A	Woven fabrics containing 100 % of	6	17	1386	1250	ı	1	2048	1389	1245	1955	1812	1429		1749	2343	C502
C P		'	1218	, . '	ı	ı	1	1	1	359	155	225	773	7. 8.	754	1. 1.	7485
V	Vitte action to the second of	7	57	88	37	75	221	398	428	425	470	471	528		329	1468	1748
1.5.1	Igni of compete streets wood	3	70.	911	8	193	200	560	210	192	252	192	176		287	197	858
0.00°	Corton yarn not lot retain	, ,	000	1760	1645	9861	2073	1739	1416	149	1345	1167	éttt		1271	635	13:1
35.9.0	MCVen Igurica of corton	; ;	7.	80	8	124	134	197	101	106	142	142	6 3		257	675	137
2.50 2.00	Other carpets and rugs		- 4	, ,	711	077	721	117	3,36	200	253	126	101		177	193	भूद
59.1.B	Wadding for cigarette filter tips	0.7	CC	7	111	7.1	1	7) (ď		Ç	2 0 4			295	3.53
60.1	Knitted fabrics, not rubberised	1	1	ı	ı	1	* 7	7	01	9	†	3	2			`	
60.4	Under garment not elastic nor rubberised	43	54	171	155	143	92	68	13	73	142	123	249	364	.58	508	50.54

्रिक ट : (म • : (न • : (न • : (न	Commodaty	056.1	1961	1905	19.5	1501	1.00	7	1957 1	15.3	1959 1	ד מילד	7 776	7 / /	1001		2 5
63.5.B	Outer garment knitted not	7.7	200	132	137	134	160	192	145		30 3				618		0
מ ניי	Men's and boys outer garments	19	11	6	2.5	25	67	ç	19	128	165				000		27.50
ליייי	Women's wir's outer garnents	19	16	73	72	47	74	74	99		162				319		575
ט אינא	Shawla scarves veils and the like	97	12	174	137	ı	84	78	45		164				153		285
62.2	Bed linen, table linen	16	43	%	65	83	17	29	73		191	174	157	195	5 30	212	405
63.1.B	Clothing accessories and rugs	69	35	323	305	326	342	305	305	509	44				403		0.48 0.49
64.2.A	Footwear with uppers of artifical plastic	ı	88	56	85	55	. 46	68	24	59	7	1	45	55	75	50	# 60 #
64.2.B.2	Other kinds of footwear	1	ı	. Z	19	, 1	ı	15	22	23	95	187		199	46	55	105
.8.69	Glazed setts, flags and paving	35	35	58	84	48	.22	74	4 9		62	103	54			25.7	328
01.0%	Sinks wash pasing, bidets	7	: A	46	4	49	58	73	57	40	82	99.4	45	63	130	234	250
, א וו פּיַ	Harie ware and hitchen and impose	63	62	62	32	. 94	152	85	95		880	90	69			563	343
20 E		78	78	001	103	110	112	128	109		911	155	127			543	283
	Carbove bottles jars bots	92	56	ı	62	ð	3	65	98		136	107	157			204	423
, i i	Caronware for kitchen weteblemen	63	68	60 60	11,3	8	135	25	118		174	228	182			396	539
73.7	Pig-inon and cast-iron	1	1	17	1	1	~' I	ı	123		158	ı	i			927	822
73.7.▲	Blooms, billets, slabs and sheet	1	ı	1	.'	ı	ı	ı	ı	49	ı	929	169		ı		1802
	DELIG	166	150	185	132	104	169	136	136	21.7	284	309	200	232	499	966	1193
73.10	Dars and rods of iron or steel	839	887	7778	940	1901	1290	1586	1274	916	199	109	210		162		1746
73.11	Angles, shapes and sections of iron or steel	31.2	8	386	389	457	442	645	413	521	402	1069	234	597	949	883	821
73.13.В	Other sheets and plates of iron or steel	79	8	126	241	95	244	151	178	340	227	179	84	283	481	285	374
73.16	Railway track construction materials of iron or steel	ı	1	ı	1	ı	1	378	854	10	27	11	1	ı	ı	486	249
73.18.A	Tubes and pipes, dismeter 3 inches or more	171	1	261	394	199	264	293	664	128	27.1	186	151	188	228	350	2304
73.18.B	Tubes and pipes, dismeter less than 3 inches	8	138	144	202	232	255	281	291	237	221	361	192	382	491	1122	1114
73.20.B	Tubes and pipe fittings	39	28	63	8	Q	2 8	106	•	11	99	83	7	ç	118	249	8

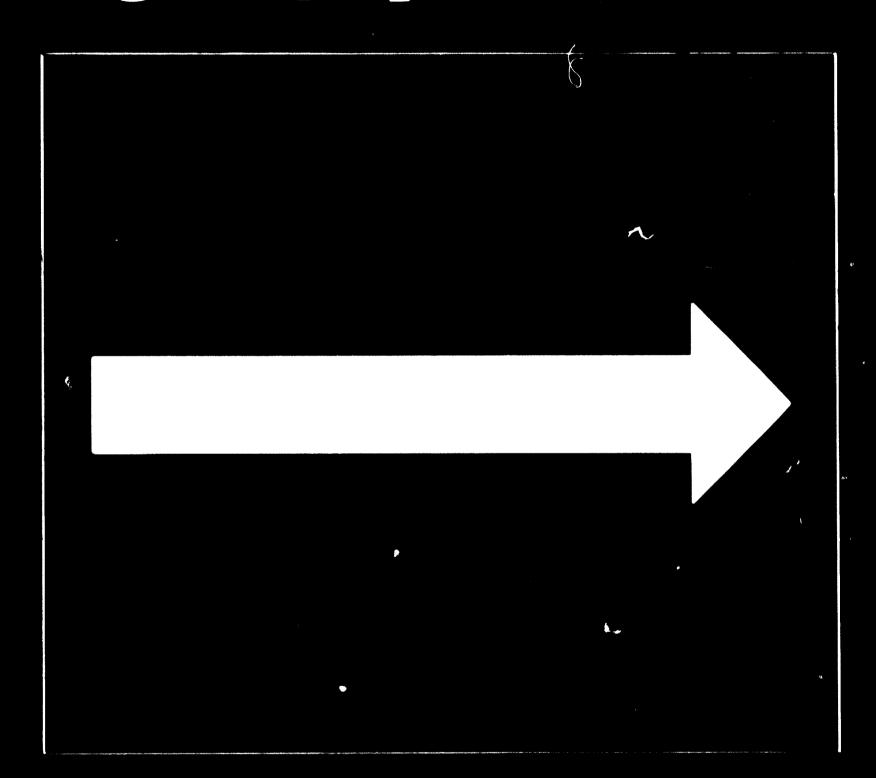
Tutile 20 (Contd)

B-18-9. Terlîî	Commodity	1960	1961	1962	1963	1964	1965	1966	1961	3968	1969	1970	1971	2251	1973	1974	1975
73.21.A	Doors and windows of iron or steel	10	3.0	193	47	35	27	0	92	14	11	39	•	•	١	15	474
73.21. B.2	Other structure of iron or steel	ı	ı	ı	ı	i	1	ı	ı	ı	ı	ı	ı	ı	•	649	3005
73.23.0	Casks, drums, cans, boxes or iron or steel	1	1	10	15	15	19	74	23	5	12	6	39	135	167	96	(A)
73.24	Compressed gas cylinders	92	Ά	4 6	45	8	13	37	84	14	27	55	ı	12	56	115	265
73.32.B	Bolts and nuts of iron or steel	82	45	8	69	3	43	69	53	68	65	895	99	95	63	250	280
7 3. 35.c	Stoves, ranges, cookers	ጽ	113	157	219	220	263	180	2	29	138	901	53	135	149	142	37.2
73.36 .D	Stoves, boilers for central heating	1	ı	ı	ı	ı	ı	55	47	711	107	94	120	139	515	131	396
73.37	Central heating boilers	23	45	47	33	99	122	8	16	102	129	119	69	73	159	509	340
73.38	Articles for domestic purposes of iron or steel	78	92	7 6	115	102	132	122	112	114	143	144	198	21.7	284	374	474
76.2	Wrought, bars, angles of aluminium	ı	1	1	'	ı	1	33	%	74	81	16	45	. 52	128	225	368
82.4.B	Hand tools used for builders	ı	1	ឝ	37	1	1	1	53	ı	1	ı	ı	18	13	7,4	285
83.2	Base metal fittings and mountings	63	L 9	78	8	8	110	139	42	77	124	122	111	204	199	213	300
33.7.B	Lamps and lighting fittings	89	9	3	54	4	1.7	51	62	48	35	95	53	99	59	8	592
84.6.A.2	Internal combustion piston engines other than for vehicles or cycles	1	178	123	103	102	8	441	264	453	197	227	717	268	355	535	(i) (i)
£4.6.3.1.▲	Parts and accessories for internal combustion piston engines for vehicles-	1es-	108	54	ដ	99	113	177	120	95	18	139	73	161	228	297	480
54.6.B.2	Parts and accessories for internal combustion piston engines other than vehicles	। ब	•	79	167	132	174	226	%	37.1	214	161	222	556	464	516	763
₹.9.	Wechanically propelled road rollers	15	2 8	44	4 3	22	ឝ	65	9	37	33	48	15	<u>۲</u>	12	57	250
84.10.B	Pumps (including motor pumps and turbo pumps) for liquids	233	290	123	279	181	011	194	168	011	160	2 39	146	ა 1	187	392	(1 0)
84.11.C	Air or gas compressors	55	42	50	9	34	95	78	73	130	133	66	37	55	101	נו2	399
84.12	Air condition machines	8	42	51	55	33	156	37	106	901	64	128	54	89	5	95	303
84.17.A	Eachinery, plant and similar laboratory	128	58	Ħ	74	14	1	72	14	13	24	19	37	39	28	. m	254
84.16.1	Oil filters and air purifiers for machinery	1	22	33	16	ı	12	16	ı	56	27	44	24	37	37	Ćô	533
84.22.E.2	Lifting, handling, loading or un- loading machinery other than for inductrial use	50	4	22	19	23	7,	73	45	97	24	ጽ	ų	43	52	2.7	233

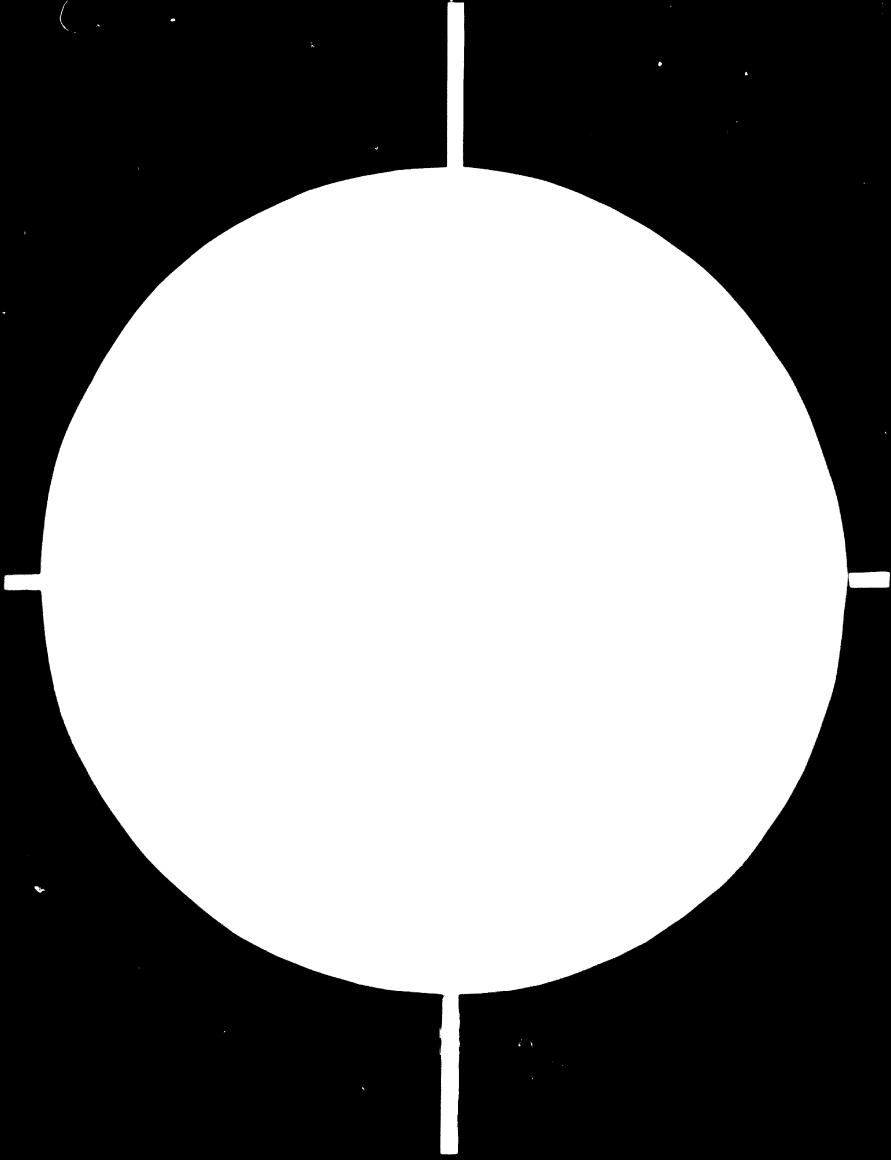
Table 20 (Contd)

E		1 0961	961 1	53	1963	1964	1965	1966	1961	1968	1969	1970	. 1751	1972 1	1 879	574	15.75
\$4 \$4 \$4 \$5 \$5 \$5 \$1	for the second	- 1												9	0	a a c	u.
84.23.A	Farts and arccopories for exceavating levelling	1	1	287	11	132	128	42	22	33	200	78	2	၌ ၂	149		, (C)
84.23.B	ing, boring hinery	199	569	57	72	373	215	349	358	372	554	312	221	439	842	· :	5103
84.28	Other agricultural and horticul- ture machinery	1	,	•	1	14	ផ	‡	49	1	ጽ	62	61	156	က်	144	202
84.30.▲	Machinery, not falling within any other heading of this chapter	×	7	. 66	154	42	37	25	16	1	88	1	ផ	1	195	e i	in C
84.37	Weaving machines, knitting machines and machines for making gimped yarn	24	82	32	37	58	136	96	8	4	53	74	#	121	72	559	0 6
84.40.B	Machinery for washing, cleaning, drying, etc.	78	83	8	126	107	118	139	86	3 2	191	115	62	155	192	283	203
84.45	Machines-tools for working metal or metallic carbides	236	85	125	129	69 .	105	82	7	130	62	16	11	121	701	193) V
84.46	Machines-tools for working stone, ceramics, concrete, etc.	1	12	,	1	01	69	i	58	1	56	1	1	33	23	33	668
84.56.A	Concrete mixtures and stone crashers	•	62	42	23	49	47	. 29	104	ያ	145	1 9	56	18	34	S S	4
84.59.A	Other machinery for agricultural or industrial use or road building	8	78	182	134	137	122	65	113	204	4 6	139	25	84	165	623	123.
84.59.8	Other machinery other than for agricultural or industrial use	1	58	62	36	47	7.4	233	6	59	122	28	1	71	20	105	730
84.61	Tops, cocks, valves and similar appliances	800	ß	69	83	82	151	120	85	121	194	180	132	168	278	503	ο, i
84.65	Machinery parts, not containing electrical connectors	1	•	& .	11	12	82	19	121	310	330	352	238	367	355	50 SA	л I
85.1.A	Electrical goods, generators, motors weighing 10 kgs or less	216	•	15	18	\$ 2	₹.	%	18	18	4	7 9	ጸ	118	97	167	377
85.1.18	Electrical goods, generators, molors other than weighing 10 kgs or less	1	•	333	270	153	424	554	392	495	501	193	291	613	747	866	3-64
85.11	Inductrial and laboratory electric furnaces and overs	34	#	183	28	23	28	20	28	8	38	56	16	27	32	29	0.00
85,13	Electrical line telephonic and telegraphic apparatus	218	46	224	341	•		021	310	148	131	99	120	1037 346	388 391	531 703	847 1027
85.15.4.1	Television sets Radio sets	325	193	Š	372	335	429	155	153	391	167	146	151	ဗ္ဗ	110	244	222

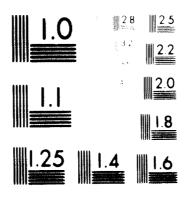
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1.0 (c) 1.0 (c) 1.0 (c) 1.0 (c) 1.0 (c)	Cornicatity	1900	1301	1962 1	1903 1	1.961	1. 0061	19061) /26T	31 8061	1959 15	त ०/६१	1 1/61	15,2	1975	. 1764	
55.15.0.1	Other truesmission and reception apparates	Я.	52	17	23	268	216	12	\$	42	82	 &	163	225	145	402	765
85.15.6.2	Accessories and parts for the other transmission & reception apparatus	ı	•	1	ı	•	1	4	562	137	٤	135	135	157	S	978	423
85.13	Electrical capacitors, fixed or variable	ı	ı	ŧ	ı	•	ı	ı	ı	ı	1	ı	1	•	ı	ı	53.
85.19	Electrical apparatus for making and breading electrical circuits	30	262	141	213	141	183	173	333	259	37.1	705	230	503	585	635	1574
55.22	Electrical goods and apparatus	ı	1	ı	ı		ı	•	ı	ı	ì	ı					,
85.23.▲	Insulated plastic wire the dia- meter of which is one millimeter or less	8	•	5	L	3	118	\$	139	128	204	1	93	154	102	162	240
85.23.B	Insulated electric wire, cable, bars, strip and the like (including co-axial cable)	218	8	145	87	93	86	158	192	263	225	274	216	218	469	343	1368
86.3	Other rail locomotives	ı	ı	ı	1 :	1 9	1 }	1 !	1 1	1 17	1 0	ָר <u>נ</u>	ָ רַ רַ	316	346	40.2	30.
87.1	Tractors	120	410	Š	%	458	6 56	130	502	, 04	206	1	(+ 7	3	ţ	į	· ·
87.2.4.1.4.3	Vehicles for public transport (buses) weighing more than 1500 kgs run by benzine	1	•		#	ŧ	1	•	•	1	ı	11	56	123	18	33	33.
87.2.A.1.B.3	Vehicles for public transport (buses) run by other than benzine	ı	ı	ı	١.	ı	•	•	•	8	13	ı	10	7.	18	85	208-
87.2.4.2.4.1	Motor vehicles for transport of passengers, weighing not more than 1000 kg run by benzine	ı	ı	ı	ı	ı	21	1524	1129	1	31.4	27.1	299	366	623	749	1077
87.2. 4.2.4.2	Motor vehicles for transport of passengers weighing 1000-1500 kgs run by benzine	629	6 42	8 34	924	1027	1032	•	1	1044	682 7	707	895	663	1331	1928	2883
87.2.4.2.4.3	Motor vehicles for transport of passengers more than 1500 kgs weigh, run by benzine	1	i	1	ı	ı	ı	ŧ	ı	1	106	81	192	68	198	503	819
87.2.6.1.6	Motor vehicles for transport of goods more than 3000 kgs, run by benzine	173	166	205	445	2981	367	1374	133	1	4	88	296	143	141	73	20,
87.2.0.2.0	Motor vehicles for transport of goods more than 3000 kgs other than benzine	•	1	•	1	1	ı	ı	ı	398	669	149	48	105	282	320	27.94

Table 20 (Contd)

E.N.T Tariff	Commodity	1960	1961	1962	1963	1964	1965	1966	1961	1968	1969	1970	1971	1972	1973	1974	1975
87.2.D	Vehicles used for transporting prishable food stuff	ı	'	,	ı		'	ı		'	148	262	205	8	221	1055	2670
87.3.c	Motor lorries and vans such as fire-escapes, crane lorries	58	ı	19	13	16	62	ŀ	ı	98	133	16	93	18	53	29	1027
87.4.B.2.C	Motor vehicles chascis	な	#	8	น	ŧ	ł	ı	ı	ı	39	•	23	ı	1	1	305
87.6.4.1	Parts and accessories of motor vehicles	579	922	1210	1167	950	1049	1352	1/22	1011	1417	1222	178	1271	1424	1000	3379
87.6.4.2	Parts and accessories for motor vehicles - second hand	I	ı	ı	ı	ı	I	ŀ	ı	ı	56	53	22	121	. 133	321	585 585
87.6.B	Parts and accessoried for tractors	53	8	ı	١,	1	ı	ŀ	ı	1	350	255	84	58	214	475	525
67.14.6.1	Refrigerated trailers, for trans-	•	•	•	1		1	11	1	ı	•	77	1	1	1	52	251
88.2	Figures machines	I	1	470	•	8	i	1	i	i	1	ı	6667	1483	ı	8382	95944
88.3	Farts and accessories of flying machines	711	53	59	59	497	355	4 32	622	937	760	655	949	1037	1044	989	1919
89.1	ships, boats	•	ı	1	ı	1	1	1	1	1	•	1	ı	92	37	17	274
90.17	Medical instruments	አ	43	45	43	Я	48	73	192	113	107	202	330	1528	342	417	941
91.1	Watches (pocket, wrist)	76	113	911	103	106	113	155	126	172	231	178	163	156	277	390	634
94.3	Other furniture	9 1	ጽ	2	52	107	82	78	92	Ľ	79	8	279	96	116	153	410

Table 21

Imports of Selected Mining and Industrial Commodities by Quantity

E.K.T Tariff	Commodity	Unit of mensure	1960	1961	1962	1963	1964 1	1 595	996	1967	958	1 696	570 1	1 179.	972 1	973	7.61	5157
15.7. K.2 15.13.A	Other vegetable oils (coconut oil, etc.)	Ton Ton	172	112 886	167	8387 267	7769 8 127	8126 7	7210 4 473	.87 4 2 396	2617 3 667	3907 3 181	3041 5	5610 8	8969 5 290	5139 . 239	382	3712 2107
16.2 16.4.B	Other prepared or pre- served meat Prepared or preserved fish	Ton For	798		14	465 876		876 903	879 661 860 7 68	969 1 944 68809 73	1537 1 341	1912 1 427 58114 54	1678 1 608 4613 64	527 890 732	2030 1 727 65404 18	1654 844 8371 4	1622 934 46769 4	1023
17.1.B 17.4	Refined sugar Sugar confectionery not containing cocoa	4 4 40 E	35.765 4 31.2 -	371 371 251	31/40 5 335 136		251		-	-		١					1072 663	1029
22.9. B.2	Natural yeasts (active or inactive) Whiskey - litre	Ton (1000)	178 78 -	193 85	330	294 110 -	443 99 1317	416 97 1657	413 161	408 165 1775	360 268 -	433 197 1597	518 129 4662 5	461 167 5422 7	692 176 7754	329 182 8320 1	571 226 10716	559 357 8560
23.7.4.1	Concentrated material used for preparation of forage	Ton	1	ı	1236		1456	2040	3521	7677	2222	4125	3291	3113 5	5160	2028 703	3304	25.37
23.7.C 24.1.B 25.23.A	Ready forage Tobacco leaves Cement	Ton Ton	232 53434	301 18249	549 30137	316 8202	400	575 5379 4	514 42018 3	848 36511	- 1119 : 51 43 13	1101	546 5701	781	766 4838	688	520 7874	557 7908
27.9 37.10.E	Petroleum & shale oils crude Lubricating oils & greases	(1000) Fon Ton	77	207 3809	252 5927	329	359 5869	410 5999			417	506	480 5983		ന ന	706 6753 1		9 50
28.8 30.3.A	Sulphuric acid, olsum Medicaments antibiotics Other medicaments	H H on to the	- - 359	- 109 360	- 116 483	500 133 563	688 114 622	112 165 817	1041 151 13	419 108 621	- 172 728	158 60 3	- 192 678	457 85 466	93. 93. 80 2	2523 172 755	120	182 182 1094
31.2 31.3.B	Mineral or chemical fer- tilizers, nitrocirous Mineral or chemical fer- tilizers, phosphatic	Ton Ton	818 2 8 57	1989	2670	4594	2563	3675 57 4	6949 504	9109 643	4229 3028 -	3874 2736 -	1877	3409	2999	6125 2609 5456	8185 2505 2743	は の は の の の の の の の の の の の の の
ж.5	Other fortalizers	Tot	'	1	'	'	·	٠	77.75	<i>!</i>								

1 · · · · · · · · · · · · · · · · · · ·	Commolity	Unit measure	1950	1961	1962	1963 1	1964 1	1565 1	1966 1	1961	1968 1	1909	1970	1371	1,072	1573	• ८० त	1975
33.5.0	Perfumery coumetics	Ton	107	145	171	187	171	201	247	137	27.8	303	292	5 00	336	30.4	72	571
34.2.A	Producte used for washing preparations	ton	ı	1	924	i	ı	1	919	755	116		1360		1043	1003	3025	S S
38.11.B	Disinfectants, insecticides	Ton	210	842	775	406	477	511	969	391	458	537	563	206	806	737	733	62r
39.2.▲	Liquids, pastes for polymeric sation for industry	Ton	ı	1	315	111	714	744	773	491	891 1	1470			1974	1406	1496	2074
39.3.0	Cellulose	Ton	ŀ	ı	88	139	254	314	425	169					806	645	713	654
40.11.0	Rubber tyres	Ton	1625	74	1658 2	2192	1290 1	"							1992	1865	2550	32.43
41.1	Raw hides and skins	Ton	57	69	758	1185	513		808									759
44.5.A	White tember wood		23582 1	17855 2	21894 2	21962 24	24061 31	31902 29		16860 28	28908 2							23928
44.5.C	Beech wood	E 3	5148	4082	5932	4681	5844 4	4215 7							6817	6654		5844
44.5.D	Pine wood	£3	8189	9859	9648 (6465 14	14922 8	8216 12	. 2915	2458 '	. 9807	2748	9705	6409	8164	3635	5207	11723
44.7	Railway sleepers of wood	M3	•	1	ı	ı	1	1	7131 28	28118	ı	•	1	ı	ı	1	i	10574
44.15.A	Ply-wood, blackboard & veneered	_H 3	3046	3699	600	4657	4943 6	6472	:247					4904	3752	5072	6768	3967
44.15.B	In laid wood	Ton	1	ı	ı	ı	ı	381	588	634	515	2764	2511	582	2303	3103	2379	5352
44.21.B	Wooden packing cases, boxes, crates	Ton	3665	4086	1797	3829	2944	259 11	11625 (5952	1696	4335	8266	6800
48.1.0	News print for publications	Ton	281	1426	298	199		1368	2120	1088	1020	676	448	737	414	478	1528	202
48.1.17.2	Other kinds of paper		ı	ı	467			1036 1		1832	2254	1308	1368	1493	3791	3287	€ 012	3549
48.15.B.3	Cther kinds of paper	Ton	ı	•	222	11	184	126	284	363	586	197	150	265	419	345	739	828
48.16.A	Paper bags for packing of cement	Ton	652	1	1325	1327	464	1880 ;	2002	1194	2857	2267	2427	944	2071	3663	3007	1985
48.16.c	Other boxes and bags of paper	Ton	1	1	220	870	1139	803	777	958	1089	1	745	1528	1770	873	1797	2074
49.1	Printed books, booklets and leaflets	Ton	101	166	182	210	233	341	448	999	361	581	494	260	707	630	929	40,
51.1	Yarnof man-made fibers	Ton	ı	14	35	4	47	87	236	123	252	282	283	413	443	518	526	838
51.4.A	Woven fabrics containing 100 % mai-made.	Ton	%	21	1922	1823	1	ı	2682	16/1	1727	2552	2268	1775	2050	2133	2027	22.6
51.4.B.2	Other woven fabrics	Ton	1	1691	ı	ı	t	1	,	ı	405	169	207	408	796	753	393	1188
53.7	Yarn of combed sheep wool	Ton	ጸ	43	65	47	26	147	31.5	337	462	446	4 39	460	216	212	617	825

208 243 68 446 412 588 130 2950 2838 3291 3639 3161 2 73 95 141 178 169 157 - - - - 16 23 27 130 122 108 59 34 29 58 55 40 56 66 29 58 21 33 258 10 170 55 - 79 46 78 129 111 132 111 103 172 1896 1572 1721 2052 1867 1 305 63 20 44 104 168 1 - 45 95 - - 15 632 491 1059 1044 1178 1227 243 283 243 476 548 678	1960 1961 1962 1963	1964 1965	1966 1	1961	1963 1969	1970	1571	1572	1573	1:74	22.2
Woven fabrics of cotton Ton 112 208 243 68 446 412 588							ć	ý	;	5	Ç
## Woven fabrics of cotton fon 37 130 2950 2838 3291 3639 3161 2 ## Williang for oigarette fon 30 73 95 141 178 169 157	208 243						176	575	7	477	1 ;
## Weiling for organette	130 2950			2 699 28	N	0	2057	2273	2154	1353	150°
## Willing for organette	17 234			499	441 566	476	312	536	574	814	81:
Expired fabrics, not rubberized from 12, 27, 130, 122, 108, 59, 34, elastic nor rubberized from 22, 27, 130, 122, 108, 59, 34, outer garment mot rubberized from 31, 29, 58, 55, 40, 56, 66. B. Man's and boys' outer from 35, 8, 64, 81, 36, 76, 36, 36, 36, 36, 36, 37, 37, 38, 37, 38, 37, 38, 38, 38, 38, 38, 38, 38, 38, 38, 38	73 95			194 2	294 378	203	169	230	2,5	254	223
Under garment not elastic nor rubberized Ton 22 27 130 122 106 59 34 obter garment knitted Ton 31 29 58 55 40 56 66. Be farments mot rubberized Ton 31 29 58 55 40 56 66. Garments garments Ton 35 8 64 81 36 76 36 36. C Shearls, scarves, veils Ton 107 10 170 55 - 79 46 and the like Ton 34 78 129 111 132 111 103 Bed liner, table liner Ton 34 78 129 111 132 111 103 Clothing accessories Ton 221 172 1896 1572 1721 2052 1867 1892 (lared setts, flags and Ton 605 632 491 1059 1044 1178 1227 paying hearth Ton 605 632 491 1059 1044 1178 1227 paying hearth Ton 293 243 345 283 443 476 548 (line appliances Ton 165 1633 2094 2183 2401 2292 2607 1144 Glassware for kitchen	ı	- 16	23	18	26 8	391	138	238	265	233	151
Outer garment lmitted fon 11 29 58 55 40 56 66. Mean's and boys' outer fon 35 8 64 81 36 76 36 garments and boys' outer fon 10 10 170 55 - 79 46 and trues and trues of artificial plastic fon 221 172 1896 1572 1721 2052 1867 1800 fartificial plastic fon 221 172 1896 1572 1721 2052 1867 1800 fartificial plastic fon 605 632 491 1059 1044 1178 1227 1201 plates Since was pasine, flags and from 605 632 491 1059 1044 1178 1227 1201 plates Since was pasine, flags and from 605 632 491 1059 1044 1178 1227 1201 plates Table ware and kitchen from 605 633 2094 2183 2401 2292 2607 1201 plates Table ware for kitchen from 605 1633 2094 2183 2401 2292 2607 1201 plates Table ware for kitchen from 605 691 171 - 1102 852 926 1141 Carboys, bottles, jars, from 659 771 - 1102 852 926 1141 Carboys, four kitchen from 659 771 - 1102 852 926 1141 Carboys, for kitchen from 659 771 - 1102 852 926 1141 Carboys, for kitchen from 659 771 - 1102 852 926 1141 Carboys, for kitchen from 659 771 - 1102 852 926 1141 Carboys, for kitchen from 659 771 - 1102 852 926 1141 Carboys, for kitchen from 659 771 - 1102 852 926 1141 Carboys, for kitchen from 659 771 - 1102 852 926 1141 Carboys, for kitchen from 659 771 - 1102 852 926 1141 Carboys, for kitchen from 659 771 - 1102 852 926 1141 Carboys, for fitchen from 659 771 - 1102 852 926 1141 Carboys, for fitchen from 659 771 - 1102 852 926 1141 Carboys, for fitchen from 659 771 - 1102 852 926 1141 Carboys, for fitchen from 659 771 - 1102 852 926 1141 Carboys, for fitchen from 650 850 850 850 850 850 850 850 850 850 8	27 130		34	39	51 110	120	204	255	326	289	. 1
ken's and boys' outer Ton 35 8 64 81 36 76 36 Garments Women's, girls' outer Ton Ton 4 5 29 28 21 33 258 Shawls, scarves, veils and tide like Ton 107 10 170 55 - 79 46 Bed liner, table liner Ton 34 78 129 111 132 111 103 Clothing accessories Ton 221 172 1896 1572 1721 2052 1867 Pootwar with uppers Ton 221 172 1896 1572 1721 2052 1867 Other kinds of footwear Ton 605 63 491 1076 104 168 Sinks, wash pasins, patins, flags and pasins, pidets Ton 293 243 345 283 443 476 548 A mapleware and kitchen Ton 205 632 491 1079 104	29 58		99.	99	99 158	3 145	210	288	254	350	354
#Oncen's, girls' outer Shewls, scarves, veils and the like Bed liner, table liner Bed liner, table liner Ton 107 107 100 170 55 - 79 46 103 Bed liner, table liner Ton 221 172 1896 1572 172 1867 1867 18. Glazed setts, flags and rom Sinks, wash pasins, appliances Unworked glass Ton 442 678 443 184 529 28 29 44 104 108 108 108 108 108 108	8 64		%	001	174 314	t 59	191	77	8	55	390
Shawls, scarves, veils and the like and the like Bed liner, table liner fon 34 78 129 111 132 111 103 Clothing accessories for 221 172 1896 1572 1721 2052 1867 1867 1868 Pootwear with uppers of artificial plastic fon - 305 63 200 44 104 168 1887 1898 1894 1895 1897 1998 1998 1998 1998 1998 1998 1998	82		258	37	50 89	9 28	84	116	177	136	349
Bed liner, table liner Ton 34 78 129 111 132 111 103 and rugs accessories from 221 172 1896 1572 1721 2052 1867 1	10 170		94					4 8	67	57	104
Clothing accessories	78 129		103	155	202 320	270	744	2	762	610	4
Pootwear with uppers of artificial plastic Conser kinds of footwear Ton Clazed setts, flags and Ton Sinks, wash pasins, Ton Carboys, bottles, jars, Carboys, bottles, jars, Carboys, bottles, for Classware for kitchen Carboys, bottles, jars, Carbo	172 1896			1852 2	2827 319	9 2509	2175	2722	2318	3568	3236
Glazed setts, flags and fon 605 632 491 1059 1044 1178 1227 paving hearth fon 605 632 491 1059 1044 1178 1227 sinks, wash pasins, for 293 243 345 283 443 476 548 tableware and kitchen from 442 678 443 184 502 806 581 Unworked glass from 1665 1633 2094 2183 2401 2292 2607 pots for kitchen	305 63		168	50	•				1464	# B	177
Glazed setts, flags and Ton 605 632 491 1059 1044 1178 1227 Sinks, wash pasins, Ton 293 243 345 283 443 476 548 L.A Tablemare and kitchen Ton 442 678 443 184 502 806 581 Unworked glass Carboys, bottles, jars, Ton 659 771 - 1102 852 926 1141 Glassware for kitchen	- 45	1	15	લ	27 147	7.20	212	007	0	0	~
Sinks, wash pasins, Ton 293 243 345 283 443 476 548 L.A Tableware and kitchen Ton 442 678 443 184 502 806 581 Unworked glass Carboys, bottles, jars, Ton 659 771 - 1102 852 926 1141 Glassware for kitchen	632 491		1227	813	861 1079	9 1724	. 677	864	1727	2679	2390
Tableware and kitchen Ton 442 678 443 184 502 806 581 appliances Unworked glass Carboys, bottles, jars, Ton 659 771 - 1102 852 926 1141 pots	243 345		548	332	299 661	1 620	253	356	747	896	762
Unworked glass Ton 1665 1633 2094 2183 2401 2292 2607 Carboys, bottles, jars, Ton 659 771 - 1102 852 926 1141 pots 3.A Glassware for kitchen	678 443		581						998	1155	1299
Carboys, bottles, jars, fon 659 771 - 1102 852 926 1141 pots	1633 2094		2607	2221 2	2060 2496	3095	2439	3130	ઝ	27.75	315
Glassware for kitchen	- 111			1630 1	1067 2006	9591 90	5 2190	1833	2882	1650	3326
and tableware from 630 963 675 130 973 1681 1364	630 983 875 130	973 1681	1364	1233	1284 1759	9 2079	3 1624	1594	2546	1875	2211

Table 21 (Conta)

## 12 mg 12	Commodity	Unit measure	1960	1961	1962 1	963	1964 1	965 12		167 131	6951 87	0761 6	1261 0.	2351 1	3,075	7,7	
73.1	Pig-iron and cast iron	Ton	ı	ı	315	ı	ı	ı	1	£ 6619	1525 4131	#	ı	- 5000	26223	30084	10.521
73.7.▲	Elcoms, billets, slabs and sheet bars	Ton	I	1	1	ı	ı	1	ı	- 20	2025	- 23676	6 5037	7 22412	1	1	24196
73.9	Universal plates of iron or steel	Ton	2447	7272	4030	3938 1	1789 3	3944 33	3238 33	31.45 37	3749 5289	39 4846	3008 91	8 3641	5324	7623	0 0 0 1
73.10	Bars and rods of iron or steel	Ton	19819 2	22536 2	22625 28	28642 30	30854 35	35745 467	46785 37	37760 14415	1181 21	13 11466	6 4501	1 17947	7 15460	22138	20667
73.11	Angles, shapes & sections of iron	Ton	6485	6497	8604	9934 10	10896 10	10403 156	15626 93	9206 11084	84 8389	39 16429	9 4058	8 9693	3 11233	6833	7223
73.13.B	Other sheets and plates of iron or steel	Tor	1056	1023	2151 4	4638]	1481 4	4418 2	2741 3	3291 47	4723 3600)C 2529	1326	6 4264	48.78	2294	305 805
73.16	Railway track construction materials of iron or steel	Ton	1	ı	ı	i	ı	1 -	7833 16	2909 ر	96	541	27	•	,	1678	0831
73.18. A	Tubes and pipes, dismeter 3 inches or more	Ton	2675	2241	4106	788	2871 3	3445 5(5077, 8	8285 16	1673 3572	72 2186	36 1805	5 2431	1 2203	2096	10720
73.18.B	Tubes and pipes, diameter less than 3 inches	Ton	2168	1751	2023					5096 36	m	2	N	5	10	-	(Q) 1
73.20.B	Tube and pipe fittings	Ton	33	157	9	546	329	434	695	1	397 4	443 4	461 235	ر رولا	1 677	2c2	00
73.21 .A	Doors and windows of iron or steel	Ton	49	17	2039	576	233	142	219	477 2	232	38 1	137	ı	1	E.	1048
73.21.B.2	Other structure of iron or steel	Ton	ı	ı	1	1	1	ı	ı		ı	1	1	1	1	1550	6232
73.23.c	Casks, drums, cans, boxes of iron or steel	Ton	1	1	163	171	011	404	476	•			275 251	·ω			
73.24	Compressed gas cylinders	Ton	447	244	350	315	508	11	277	770	2 201	218 4	434	- 68	4 133	250	4001
73.32.B	Bolts and nuts of iron or steel	Ton	232	256	421	505	241	261	372						•	-	636
73.36.0	Stoves, ranges, cookers	Ton	228	298	369	548	537	665	497	214	175 3	363 2	249 125	316	937	233	
73.36.D	Stoves, boilers for central heating	Ton	1	I	ı	1	1	ı	77	74							
73.37	Central heating boilers	Ton	234	291	302	321	427	715	683		794 9	906 7	763 35	358 487	7 963	2828	TOOT.
73.38	Articles for domestic purposes of iron or steel	Ton	424	482	481	9£9	509	715	639	590	535 8	309 7	761 5	658 653	9 834	3005	SC
-16.2	Wreught bars, angles of aluminium	Ton	ı	ı	1	ı	1	•	62	27	197	152 1	143 1	115 146	952 9	525	

Tariai		measure	1960	1,061	عرب ا	ادري					ا ا	٠. ص	ייר טריין	£,		_	
82.4.B	Hand teals used for duilders Ton	Ton	١	١	85	C ₂	ı		•	203			1	1	n N		· :
83.2	Ease metal fittings and mountings	Too!	287	350	285	51¢	312	325					30.7	252) jec (4	3 8
83.7.B	Lamps & lighting fittings	Ton	2	85	13	አ	47	~	9	D D	\$	ç				7	>
84.6.4.2	Internal combustion piston engines other than for vehicles or cycles	Number	ı	#	8	335	355	fa	435	 8	92	522	(E)	136 2	: ::	[(4.)	0.3
84.6.B.1.A	Parts and accessories for internal combustion piston engines for vehicles	đ đ	ł	38	37	7	\$	2	760	2	69	133	٤	8	3	35	247
84.6.13.2	Parts and accessories for internal combustion piston engines other than vehicles	Ton	ı	ı	77	150	*	184	591	772	364	r.	16	9 11	874	691	<u>u.</u>
84.9.4	Mechanically propelled road rollers	Number	ı	22	8	97	12	27	3	w	8	2	4\ r4	۲.	Ω,	. •	
84.10.B	Pumps (including motor pumps and turbo pumps, for liquids	Ton	350	386	212	357	287	194	360	273	187	265	350		,	21.7	£33
84.11.C	, Air or gas compressors	Ton	69	69	136	101	5		216	138			D 0	· ·		~ 10 D =1	9 17 9 17
84.12	Air condition machines	Ton	S	58	45	e M	33	197	9	9	* 11		£ 1.0)	;	`
A.71.08	Machinery plant and similar laboratory	Ton	295	84	15	6 0	15	1.	53	σ	36	23	겨 ·	25		20	85.53 65.53
84.18.4	Oil filters and air puri- fiers for machinery	1701	.1	Ю	12	13	1	σ	13	ı	82	18	39	25	29	07	id.
64.22.E.2	Lifting, handling, loading or unleading machinery other than industrial use	d d d	100	8	. 99	52	7	9	191	134	208	148	94	34	79	83	35.
84.23.A	Parts and accessories for excavating levelling	Ton	ı	ı	578	169	186	351	18	24	20	145	986	16	ផ	95	12
04.23.B	Excavating, levelling, boring & extracting machinery	Ton	276	479	110	130	1436	488	563	808	992	897	555	312	532	537	9191
94.28	Other agricultural, and horticulture machinery	Top.	ł	1	٠	ı	23	68	74	87	ı	64	8	m)	130	110	80
S4.30.A	Machinery, not falling within any other heading of this chapter	Ton	47	4	103	214	¥	2 8	78	15		105	ŀ	60	ı	129	17

Table of (Centa)

B.11.7 Teriff	Cennodaty	Unit measure	1960	1961	1962	1963	1964	1965	1966	1961	1968	1969	1970	1971	572	1973	1974	
84.37	Weaving machines, knitting machines & machines for making gimped yarm	Jon	56	135	65	64	105	192	36	28	33	19	20	35	13	8	205	3
84.40.B	Machinery for washing, cleaning, drying, etc.	Maber	ı	2816	2804	3599	3938	2946	4065	2334	1524	4766	3414]	1684	3680	4490	, 6 049	10601
84.45	Machine-tools for working metal or metallic carbides	Ton	528	101	162	(4 4)	144	164	164	127	437	100	49	22	151	171	345	35.
84.46	Machine-tools for working stone ceramics, concrete, etc.	Total	t	*	1	ı	45	199	ı	79	t	* 9	1	ı	81	32	49	1739
84.56.4	Concrete mixtures and stone crashers	Ton	t	156	149	64	63	103	154	313	315	339	808	64	53	85	127	672
84.59.A	Other machinery for agri- cultural or industrial use or road building	Ton	76	164	362	69-	151	*	65	142	159	98	140	15	69	112	391	701
84.59.B	Other machinery other than for agricultural or industrial use	Ton	1	8	120	88	107	99	327	8	187	105	22	i	δ	47	52	575
84.61	Tops, cocks, valves and similar applications	Ton	198	16	143	125	134	265	207	139	203	247	197	152	241	346	412	39.
84.65	Lachinery parts, not containing electrical connectors	Ton	t	t	84	125	22	93	42	191	273	605	740	144	202	203	104	425
85.1. A	Electrical goods, generators, motors weighing 10 kgs. or less	Ton	324	t	54	×	45	G	53	33	33	65	149	46	102	92	246	m m
85.1.B	Electrical goods, genera- tors, motors weighing more than 10 kgs.	Ton	•	• 1	645	567	53	653	823	392	809	553	27.2	305	582	693	1068	2309
85.11	Industrial and laboratory electric furnaces & ovens	Ton	19	4	486	64	32	፠	216	11	56	50	34	23	띥	28	180	
85.13	Electrical line telephonic	Ton	187	88	411	1528	54	149	155	470	58	131	258	83	ć23	110	252	
85.15.A.1 85.15.A.2	Television sets Radio sets	Number Number	1 1	231331	40880	72874	72874 104840 65517	\sim	3373 50961	1495 1 58062 6	10043 1 65109 6	11350 62097 5	7693 58705 5	5541 57011 2	1 2005 2 8 16 12	112911 27661	12332 6 0896	2525 4910.
85.15.0.1	Other transmission & reception apparatus	Number	ı	19	i	ł	88	63	17	17	177	. 93	47	213	182	ა დ	.န ယ က	10

Tuble "- (Conta)

Exercisories and parts for the prize state and parts for the prize apparatus from		Commodity	Unit	1960	1961	1962	1963	1964	1965	1966	1 2961	1968	1961	1970	1971	1972	1973	1974	1975
Electrical capacitors from 120 care in the substitute of particular capacitors from 120 care in the substitute and treat and t	85.15.0.2	75	190E	ı	1	,	1	1	1	104	6	43	£3	54	54	37	28	243	77 d
Electrical paperstian for making and breating and the limitated electric time. Insulated plantic wire 100 10	85.18	capacitors	Ton	1	1	i	ı	1	1	ı	ı	ı	,	1	1	1	ı	١.	1
A limitated plastic wire that the color and the light of light of the	85.19	apparatus for breading circuits	Ton	513	90	268	361	712	32.8	237	419	292	465	367	207	478	111	574	9.82
Hamiltonia Wilson Miles and Miles for Miles in Control Wilson Miles and Miles in Control Wilson Miles for Miles in Control Wilson Miles for Miles in Control Wilson Miles for Miles for Miles for Miles in Control Wilson Miles for Miles for Miles for Miles in Control Wilson Miles for Mile	85.22	goods and	100	ł	• 1,	ŧ	ı	1	1	1	ı	i	ı	1	1	1	ı	ı	145
California declaration with the like (including code and large above the	85.23.A	wire ich is ome		**	ŧ	57.7	146	127	315	233	803	462	798	189	508	310	192	299	428
Other rail locomotives A.1.4.3 Vehicles for public trans- than 1500 kgs. run by bename A.2.4.1 Every vehicles for trans- port (busses) vergining more than 1500 kgs run by bename A.2.4.1 Every vehicles for trans- port of passengers weighing A.2.4.2 Micror vehicles for trans- port of passengers weighing A.2.4.3 Micror vehicles for trans- port of passengers weighing A.2.4.3 Micror vehicles for trans- port of passengers weighing A.2.4.3 Micror vehicles for trans- port of passengers weighing A.2.4.3 Micror vehicles for trans- port of passengers weighing A.2.4.3 Micror vehicles for trans- port of passengers weighing A.2.4.3 Micror vehicles for trans- port of passengers weighing A.2.4.3 Micror vehicles for trans- port of passengers weighing A.2.4.3 Micror vehicles for trans- port of passengers more than 15.00 kgs weigh/run by 1	85.23.B	Insulated electric wire, cable, bars, strip and the like (including co-axial cable)	Top	925	18	563	8 K	394	220	461	533		1023	733	505		1357	169	2291: - 1730
### Tractors #### A.1.4.3 Weincloss of public trans- than 1500 kgs. run by ben- than 1500 kgs r	86.3	Other rail locomotives	Ton	1	1	1	1	1	1	1 ,	1 (1 ;	1 9	1 0	ן נ	1 6	ן ער	ו ני	7 T D = 1
Vehicles for public transport (buses) weighing more than 1900 kgs. run by ben- Knotor vehicles for transport to passengers weighing sore than 1900 kgs weighing more more than 1900 kgs weighing benzine Knotor vehicles for transport to passengers weighing benzine Knotor vehicles for transport transport of passengers weighing more more than 1900 kgs weighing more more than 1900 kgs weighing more provided weighing more transport of passengers weighing more than 1900 kgs weighing more transport of passengers weighing more transport of passengers weighing more transport of passengers weighing more than 1900 kgs weight wei	1.18	Tractors	Number	82	259	348	526	78 72	651	463	120	333	7	140	111	201	657	7/3	5
Number - <td>87.2.A.1.A.</td> <td></td> <td>Number</td> <td>1</td> <td>· 1</td> <td></td> <td>1</td> <td>1</td> <td>. 1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>19</td> <td>ដ</td> <td>56</td> <td>æ</td> <td>91</td> <td>7.8.</td>	87.2.A.1.A.		Number	1	· 1		1	1	. 1	1	1	1	1	19	ដ	56	æ	91	7.8.
### Month of passengers, weighing not not passengers, weighing not not passengers, weighing not not passengers, weighing not not passengers weighing number	87.2.A.1.B.	3 Vehicles for public transport (buses) running other than benzine	Number	1	ı	1	ı	ł	ı	1	ı	43	15	1	Ø	7	9	16	Ü
First of passengers weighing 1995 950 1393 1552 1803 2675 2094 1196 1213 1423 967 1956 2832 3	87.2.A.2.A.		Number	1	i	ı	1	1	13	2663	2035	1	989	588	651	650	1080	1233	1603
Kotor vehicles for trans- port of passengers more than 1500 kgs weigh/run by Number 11 102 67 177 67 135 257 Enzine Rotor vehicles for trans- Fort of Goods veighing more than 3000 kgs run by benzine Number 170 166 243 327 2797 332 1258 500 - 16 36 57 57 26 22 The standard of the stan	87.2.A.2.A.		Number 1	36 6	950	1393	1552	1803	2675	1	1				1423	7.96	1950	2832	3849
<pre>Motor vehicles for trans- port of goods weighing more than 3000 kgs run by bengine Number 170 166 243 327 2797 332 1298 500 - 16 36 57 57 76 12 than 3000 kgs run by bengine Number</pre>	87.2.A.2.A.	Motor vehicles for port of passengers 1500 kgs weigh/run tenzine		1	1	1	בּו	I	ı	I	•	•	102	19	171	67	135	257	235
	87.2.0.1.0	Motor vehicles for trans- port of goods weighing more than 3000 kgs run by benzine	a Number	170	166	243	327	2797	332	1298	5.00	•	ρ	36	<u></u>	57	50		: <u>,</u>

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Table 21 (Contd)

nore hore sher sharpor- stuff Number sis sis Number sis Number sis for cond Ton sis for cond Ton sis for the food Number	r vericles for to of coets weigh 3000 kgs rum of benzine cles used for triprishable food																	
Vehicles used for transporting prishable food stuff Motor lornies and vans such as: fire-escapes, crane lornies Crane lornies Number 34 23 63 Rubber 34 23 63 Parts and accessories of non 1035 1255 1558 Parts and accessories for notor vehicles - second find find find Ferrigerated trailers for transporting prishable food Number Plying machines Flying machines Flying accessories of filting accessories of flying accessories of flying accessories of flying accessories of flying accinnes Shaps, beats Mumber	cles used for tr prishable food		umber	1	ı	1	1	1	1	1	я ı	313 185		81 14	4.	60	iv en	333
Ector lornies and vans such as: fire-escapes, crane lornies crane lornies crane lornies crane lornies Number 34 23 63 .1 Parts and accessories of notor vehicles - second cotor vehicles for transcripting prishable food Number			Tumber	1	ı	1	1	1	ı	1	1	1	15 3	Ä R	16 3	3 15	49	132
Motor vehicles chassis Parts and accessories of Ton 1035 1255 1556 notor vehicles - second nand nand nand practs for tractors Perts and accessories for Ton Parts and accessories for Ton 61 168 - Frigerated trailers for transforting prishable food Number Physic maximes Parts to accessories of Ton 104 18 5 filying accessories of Ton 104 18 5 Kadical instruments Mumber	r lorries and va as: fire-escape e lorries		(umper	ڼ	l	හ	ω	13	19	1	1	1 12	15	2 24	4	,	4	122
A.1 Parts and accessories of ron 1035 1255 1556 A.2 Parts and accessories for nonc nonc nonc nonc nonc nonc nonc no	r vehicles chass		(umber	*	23	63	11	•	1	1	1	1	53	•	9			hi.
A.2 Parts and accessories for noncervehicles - second noncervehicles - second noncervehicles - second noncervehicles - second noncervehicles for fractions and accessories for transporting prishable food Number 3 Parts and accessories of flying accines Number - 3 Ships, bears Number	s and accessorier r vehicles		្តិ					1745 1	1870 2	27.33. 27	2745 1123	23 1912	12 1149	683	3 978	996 8	5. 1236	1729
LC.1, Refrigerated trailers for fon 61 168 - transcribing prishable food Number - 3 Parts and accessories of flying recessories of flying recessories of flying recines Number Ships, bears Number	s and accessorie r vehicles - sec		ron Lon	ı	ı	1	.1	1	1	1	ı) I	328 33	319 121	028 ਦ	0.00	1588	(i) (ii) (ii)
transforting prishable food Number	s and accessorie		Ton	ತ	168	ı	ı	1	,	ı	ı	ж	301 105	198 5	52 28	9 244	233	3 407.
Plying machines Number 3 Party accessories of Ton 104 18 5 flying accines Ton 104 18 5 Ships, boats Number	igerated trailer	정	Number	1	ı	1	.1	ı	1	1	ı	1	1	5			1-1	11
Partt Li accessories of Ton 104 18 5 flying actines Number Ton 16 24 16	Services in	-	Number	-1	1	m	1	m	ı	1	1	ı	ı	1	o,	. ~	. ,	
Ships, boats Number 7 Medical instruments 7on 16 24 16	to all socessories		7or	104	18	ĸ	9	304	표	23 4	433 2	204 12	123	73 E	83 TT			rii
Medical instruments fon 16 24 16	S, beats		Number	1	1	1	ı	ı	ı	ı	ı							
	Medical instruments		Ton	16	54	16	15	14	z,	భ	72							
[11.1] Watches (pocket, wrist, etc) Number - 47171 47766 44018	hes (pocket, wr	ist, etc)	Number					48558 54	54929 63	63647 564	56486 76886	8 0	-	9	9	64	G)	9
94.3 Other furniture 7on 50 61 386 124	r furniture		Ton	š	.19	3 86	124	256	195	232	77	401 10	161	182 191	114	4 218	270	

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B.T.: Tariff	Commodity	1960	1961	1962	1963	1964	1965	1966	1967	1963	1969	1970	1971	1572	1975	1974	1975
17.4	Sugar confectionary not containing cocoa	ľ	14	28	71	04	24	. 5 0	32	47	17	15	40	36	45	74	(T)
ຍ.ຈ. ຄ.	Chocclate & other food preparation with cocca.	1	r-1	н	4	10	44	39	28	27	ľ	8	σ	24	27	22	33
4 0 0 C	Bracuits not stuffed	1	ı	ı	ı	ı	ľ	ı	н	1	1	1	C)	7	5	21	47
E. C. C.	Olives preserved	8	18	44	20	9	, 1	43	99	11	88	78	118	66	36	192	161
20.0.00	Vezetables preserved	rł	σ	11	18	13	8	70	œ	24	14	σ	ø	2	æ	18	23
	Dregs of sesame oil (Tahina)	8	18	27	፠	34	¥	39	45	6 2	ጸ	97	35	5 9	t- rl	N	33
	Dast in hotting less than half litte	ı	i	ı	,	ı	ı	۱ ۲	ı	ŀ	ı	ı	ı	1	1	ę	œ
75.5.3.	Uses in Nott les of helf little	ı	ı	ı	ı	ı	ı	ı	ı	ı	1	ı	14	1	1	m	95
5. J. A. L.		ı	ı	ı	ı	ı	ı	ı	ı	ı	1	ı	9	ı	H	9	20
72.3.3.1	Arak	ı	ı	ı	ı	ı	` 1	ı	ı	ı	ı	1	9	1	ı	'n	17
22. y . b . 4		ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ø	1	ı	ı	ı	9
22.9.8.5	Englishment and a feet	ı	١	ı	ı	16	76	83	4	4	77	13	16	1	ı	ı	65
23.7.A.1	CODCESSING HEREFIELD TO TOTAL	*	~	ď	7	e co	60	, ,	ន	60	43	ı	14	13	14	αO	71
24.1.A		, <u>c</u>	, K	, ř.	23.6	592	415	323	663	536	551	519	368	398	546	117	752
24.2.0	•	3 25	1554	1.45.6	1455	2364	2430	11.27	3476	4212	3565	2237	2239	3471	4020	19531	19535
25.10		3		25	000	, ,	15	26	24	56	17	9	4	15	23	4	146
25.15.A	Marble (Haw or Squared)	- •	, ,	ີ ເ) (r	3 6	6	6	62	614	484	320	471	1922	1296	4078	1655
25.23.A	Cement	4	†	2	÷ 1	2 1	; 1	(I	, 1) I	: 1	. 1	1	1	1	52	125
27.10.01.72	Gas oil and diesel oil	I	ı	ı	1	(,	١	7	ď	13	2	16	ı	8	10	100
27.11	Petroleum gases (Hydrocarbons)	ŧ	ı	ı	١٤		ָ ֡ ֡	717	- 0	6	7 12	9	r.	١	141	103	8
27.15	Bitument and asphalt natural	1	ı	ı	2	3		i 1	, -	2	130	210	569	255	549	901	1252
30.3.5.2	Human medicaments	ı	ı	t	1 (1			• 1	; '	, ,	1	19	. 1			141
32.9.A	Varnishes for finishing tanning matter	ı	ı	ı	V	•	ŀ	ı	l		ı	α)	-	25	14.5	Cy
32.9.3	Other kinds of varnishes	ı	1	ı	ı	ı	ı		ı	ı ·	- ۱) I	١	ł I	}	4	0.00
3.6.A	Shaving soap	ı	ı	ı	ŀ	ı	ı	ı	1	(1 (١	0	ı	ı	, ,	7
33.6.B	Tooth pastes	ı	ŀ	ı	•	•	ı	١ .	, c	-	c	~	יט ו	ı	H		77
33.6.D	Perfumery cosmetics	ı	ı	•	ı	1	ı	•	7	4 ;	٠ ;	י נ	י נ	,	יַ י	1 5	. ר
34.7.4	Ordinary soap	۲	~	77	15	76	19	8	%	23	\$	Q	ř	2	7	3	ž

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10.2.1.	() () () () () () () () () ()	Conmodity 15	1960	961 I	962 1	963 1	964 1	1 596	1 9961	367	968 1	1 696	1 016	571 1	t 2161	ري ري ري	71	, - , -
High paster and plocks from the products of planetic and plocks from the products of planetic and plocks from the products of planetic and planeti	34.1.3.1	Tollet scap					-	1	1	,	Э	8	Μ	<u>ნ</u>	σο , 1	<u></u>	**	15
Household articles of plastic	33.2.A	Liquids, pastes and plocks from the products of polymerisation	ı	1	1	1	1	ı	ı	1	ı	1	ı	ı	ı	ı	10	3
Household articles of plastic	C 05	9 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ı	1	ı	1	ı	ı	ı	ı	1	1	ı	ı	ı	-1	25	· 4.)
Softened leather of size p) F	CONTRACTOR STATES OF TABLETS	1	1	1	ı	19	60	12	m	1	ı	m	10	4	7	/ 1	::
Softened leather of sheep 1	39.7.60	nouserold at titres of plastic	ı	œ	16	ĸ	24		44	37	23	37	23	36	22	35	20	[
Softened leather of sheep	33.1.1	Critical data careful and the same of the	1	· 19	136	183	186	169	224	159	184	146	991	65	130	261	27.3	24.1
Softened leather of skeep Craft paper for the manufacture of bags	7 - 7 - 7	בונהא נודטרמ מווי מעדור אינוי	1	<u> </u>	1))	ı	ı	ı	ı	1	ı	1	1	ı	75	ı	305
Different learners of goat Different learners Different	÷2		· 1	1	1	ı	ì	5	ı	ı	ı	1	1	Н	1	ı	į	14.)
Solution latestical to gear. Solution of bags Solution latestical travial goods & hand-bags Solution latestical travial goods & hand-bags Solution latestical travial goods & hand-bags Solution latestical late	4.5.4.	Soltened leather of smeep		1	1	ı	ı	. 1	1	ı	1	ı	1	1	1	ı	ı	3
Fatent leather travel goods & hand-bags	₹. 5. T⊋	Softened leather of goat	1		ı	ı	1	ı	ı	ı	ı	7	ı	1	ı	1	ı	in H
## Secrete paper for the manufacture of bags	10 · · · · · · · · · · · · · · · · · · ·	Patent Leatner	1 (ı 1	ı	ł	1	1	н	٦	ı	ı	н	9	٣	70	w	 ;;
Paper and paper for manufacture form 1	22.2.6.2	Leatner travel goods of name-bags	1	ı 1	1	,	1	ı	1	2	~	16	123	95	66	143	195	293
## Septer and paper board ## Cigarette paper for manufacture form	48.1.8	Craft paper for the manufacture of organ	ļ	1 1	1	1	1	1	1	7	15	20	13	17	55	23	52	 C
A Cigarette pager for manufacture form B Sanitary towels for women, of pager B Sanitary towels and napkins Cigarette pager not for manufacture form B Sanitary towels and napkins Cotton yarn Under garment knitted, not plastic Cotton yarn Under garment knitted, not plastic A ABANS (Clock) When sand boys shirts and pyjamas A Engrand Diarists of wool A Engrand Diarists of pager A Engrand Diarists of pager A Engrand Diarists of pager A Engrand Diarists of plastic A Engrand Diarist	2.0°.0°.0°.0°.0°.0°.0°.0°.0°.0°.0°.0°.0°.	Paper and paper board	ł I	1 (ı 1	α	1	ı	ì	· w	13	43	- 1	ı	55	9	7.0	(I)
## Sanitary towers for manufacture	¥.01.81	Cigarette paper ior manuiacture iora	1	1) i	1	ı	1	. 1	13	S	12	22	ı	M	C)	22
E. Sanitary towels for women, of paper	:3.10.B	Cigarette paper not for manulacture	ı	i	ì	Ì	1	1	1	7	, v	41	68	38	Q	25	64	*!
Woven fabrics Woven fabrics of sheep wool Woven fabrics Wove	±8.21. E	Sanitary towels for women, of paper	ı	1	1 1	1 1	l 1	1	. 1	- 4	101	53	23	56	19		83	. .
Woven fabrics	48.21.H.1	Handkerchiefs, towels and napkins	ı	1 9	l	C	I	ı	ı	1	ı	1	ω	1		ı	55	. 001
Sheep's or lambs' wool not carded 10 20 10 21 10 22 10 23 24 32 </td <td>51.4.A</td> <td>Woven fabrics</td> <td>•</td> <td>2 ,</td> <td>1 4</td> <td>N g</td> <td></td> <td>ן ע</td> <td>כנ</td> <td>ά</td> <td>~</td> <td>ı</td> <td></td> <td>I</td> <td>Ŋ</td> <td></td> <td>25</td> <td> (1)</td>	51.4.A	Woven fabrics	•	2 ,	1 4	N g		ן ע	כנ	ά	~	ı		I	Ŋ		25	 (1)
Woven fabrics of sheep wool 1 -	53.1	Sheep's or lambs' wool not carded	ı	2	Q	D 1	1 1) I	ď æ	, ~	42	112	128	319	143	423	050	100
Cotton yarn Under garment knitted, not plastic	53.11	Woven fabrics of sheep wool		1	ŀ	ı		1	, ,	וי	1	1	1	ı	ı	5	1	27
Under garment knitted, not plastic	55.6	Cotton yarn	-	ı	1	ı	ı	י ו		ç	ď	o u	4	15	m	25	ט	10
ABAYAS (Cloaks) ABAYAS (Cloaks) ABAYAS (Cloaks) A MBAYAS (Cloaks) A Microscard byjamas A Microscard byjam	60.4	Under garment knitted, not plastic	ı	1 4		1	ı	า	, a	4 8) [,	. 4	σ	ω	S,	8	4:5
A ABAYAS (Clocks) Women, garls outer garments Momen, garls outer garments A Men's and boys' shirts and pyjamas A Men's and boys' shirts and	€0.5.8	Outer garment knitted, not plastic	1	N	,	ı	۱ ،	l	>	ן נ) 1	\ 1	. 1	. 1	ı	51	10	try r 1
Women, girls outer garments	61.1.4	ABAYAS (Cloaks)	ı	ı	1	1 4	- -	۱ ٬	1 4	ו כ	١ ,	Ċ	v	1	œ	i id		23
	61.2	Women, girls outer garments	H	rd I	N 1	n (n (. .	ט כ	י נ	- r	9	, ~	~	ī,	φ	ij	<u>س</u> د ۱
<pre>"wcmen's & girls under garments</pre>	€1.3.A	Men's and boys' shirts and pyjamas	ı	2	٥	3	9 (- ر	וי	۰ ۱	, ,		יסי	13	r-	თ	27	9.1
** Rugs and Districts of wool	(£1. 4	Women's & girls under garments	1	ı	1	ı	V	v		,	, ,		o	٥	4	20	32	33
Fortwear with outer soles and upper _ 2 2 6 2 27 1 - i1 7 27 51 27 20 40 of rubber _ 2 2 6 2 27 1 - i1 7 27 51 27 20 40 .A Footwear with uppers of plastic 3 3 2 - 27 18 19	52.1.A	Eugs and blankets of wool	ı	ı	1	ı	ı	ı	1	ı	1	ų	n	ı		i	1	<u></u>
Footwear with uppers of plastic 3 3 2 - 2/ 10 13	£4.1	Forthear with outer soles and upper of rubber	i	~	8	9	OJ.	27	н	ı	ין י	7	27	덦	17 C		9 7	53
	64.2.A	Footweer with uppers of plastic	1	ı	ı	1	1	1	ı	1	m	~1	V	ı	Ž	2	n •	,

: :	Couractity	1 0961	1961	1962 1	1963	1964	1965	1966	1961	1963	1969	1970	1261	:261	1973	1973	1975
arift								3	۶	٩	7.	o	٩	17	۲	10	36
54.2.B.2	Other kinds of footwear	ı	ı	ı	t	3 7	•	ç	3	2	7	•	,	;	;) 	ì
	Depart to Peril Rose Cook Tours	•	ı	ı	1	ı	ı	•	1	•	•	ı	•	•	1	ı	77
37.0.5	Office Reading to Parish of the Contract of th	c		c	ı	20	ı	ı	~	~	ı	14	22	33	14	σ	3
68.2	Worked monumental or bullding stones	v	•	u		,			· u	~	•	ď	~	٥	1	13	i.c.
68.11.B	Tiles, pillars of cement	ŀ	ı	~	m	~	^	0	0	^	•	`	•	J		? ;	\ (
	DESTRUCTION OF STREET	١	ı	ı	•	ı	•	ı	~	ı	•	•	ı	ı	-	4	0
4.4.T.0/		1	ı	•	ĸ	ı	ı	ı	ı	•	→	•	S	9	18	14	27
71.16.A	Imitation jewellery for religious use	1	l	ľ	•		,	1	١	8	ı	•	ı	ı	15	١	16
73.10	Bars of iron or steel	ı	ı	ı	•	•	•	ı	ŀ	}			١	1	. 1	ı	4.1
73.22.B	Resevoirs, tanks & similar containers	ı	•	H	ŀ	ı	ŀ	ı	•	ı)	l		1	1	•	C
0 00	Gauza, cloth, nettings of iron or steel	-	ŧ	1	.1	1	•	1	•	ı	1	ı	•	1	1	١:) (
		ı	(•	•	•	1	'n	1	•	•	•	•	1	1	7	1.1.
73.36.c	Stoves, ranges, cookers	ı	ļ	ı			•	(١	•	ı	ı	1	•	1	56	95
3.36.D	Stoves, boilers for central heating	ı	•	•	•	١.)		ı	•	ı	•	•	*	ı	•	224
74.1	Unwrought lead	ı	ı	١	ı	1	ı	ı	1		5	١	1	, =	16	55	184
Н.9.67	Other articles of minc	1	1	ı	1	ı	ı	ı	ı	l	}	ı	l) 1	•	· "	2
81,15	Wire, rods, tubes of base metal	1	ı	1	ı	ı	•	ı	ı	•	1)		: 1	1	ו ר	-
4 61 48	Oil filter & air nurifiers for mach.	ı	ŧ	. 1	ı	ı	1	•	ı	•	1	ŀ	ı	•	1	1	1 0
4.01.		•	ı	*	ı	1	1	1	ı	1	•	ı	•	ı	ı	•	101
84.22.A	Electric Lifts)			۰	1	١	ı	•	ı	1	1	•	& O	*	£	25
81.56.A	Concrete mixtures & stone crushers	1	ŧ	ı	1	İ		1	• 1	•	•	ı	ı	~	-	7	16
34.60.₩	Moulding boxes for metal foundry	ı	ı	1	ŧ.	•	ŀ	l	•	•	, -	1	ı	• 1	ı	•	4.8
85.3	Primary cells and batteries	ı	1	~	N	m	F	I	₹	4	4						•
85.4.B	Electric accumulators, more than	ı	7.	17	3,4	2	123	ដ	140	2 168	207	304	333	433	409	485	83
	6 Volts		•	ļ '	, 1	•	• •	,	ı	•	1	•	•	н	K)	45	25
B5.27.▲	Bergman electric conduit tubing	ı	V	. (1	I	1	1	1	•		1	1	1	ı	1	8
37.13.A	Baby carriages	ı	•	N	١;	•	۱ ۷	•	•	۲	•	~~	-	*	~	6	19
94.3	Other furniture and parts	~	ı	1	#	D	9	-	•	•) [۱ ۱	1	ı	1	~~	12
	Became and brushes	•	•	•	~	~	ŧ	•	1)	l					•	

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	, a 120	2005	1 105	206)	•										
34.1.3.1	Tollet scap		1			-	,	ı	1	٣	(7	m	: 6t	a co	3	3.4
33.2.A	Liquids, pastes and plocks from	1	1	ı	ı	ı	ı	1	ı	ı	ı	1	1	ŀ	1	ā
		ı	ı	1	ı	1	1	ı	1	1	1	1	ı	,		Ŋ.
34.2.			ļ	1	1	9	œ	12	,~	1	ı	~	10	4		-
39.7.B	Household articles of plastic	1 1) oc	91	ĸ			44	37	23	37	23	98		35	70
39.7.	Other articles of plastic)	, (קיני	·				150	3	46	99	Н	30 2		
47.1	Raw hides and skins	ı	70	۲ ور	Col			· 1	' }		, , ,	, 1				305
41.2.A	Tanned calf leather	ı	ı	1	ı	ı	۱ ۱	I				1	-			ı
÷2.3.A	Softened leather of sheep	ı	ı	i	1	ı	r	ı	ı	t	ı	j 1	4		1	ı
4.5.22	Softened leather of goat	ı	ı	ı	1 1		ł I		ı I			1	1	1	1	- 25
47.0	Patent leather	ı	1) () (-	-	ı	. 1	н	9		10	
42.2.C.2	Leather travel goods & nand-bags	١.	ı)	. (ı	ı I		~	51	23			17	
48.1.B	Craft paper for the manufacture of Dags	l	ı)		· 1	ı	1		15	. 2	13	17			
48.5.B	Paper and paper board	ŀ	ŀ	I 1) c) (•	,	- ს r	13	43	1		55	68	
48.10. 4	Cigarette paper for manufacture lors	ı	ı	1)	l 1	1	١			i rc	12				
:8.10.B	Cigarette paper not for manufacture	ı	ı	ı)	ı I	ı	ı		, K	41	69		9		
:8.21.E	Sanitary towels for women, of paper	1	1	1 1	ı ı		1 1	ı) [5	533	: 2	56	19	54	18
48.21.H.1	Handkerchiefs, towels and napkins	ı	י ו	· •	٥	1	1	1	. 1	1	ı	œ	ı		ŀ	
51.4.A	Moven fabrics	ı	י כ	, K	4 6	1	15	25	18	~	ı	Ŋ	ı	5		
53.1	Sheep's or lambs' wool not carded	ı	3	3 '	? 1	ı	, 1	, 9	~	42	112		319 1	43 4	01	
53.11	Woven fabrics of sheep wool	1 1	ı	l	,	İ		١ ١	۱ ۱		ı	ı	ı	ı		
55.6	Cotton yarn	4	ı	1 1	1	1 1	۳ ۱	24	2	59	50	44	15	Μ	25	(D)
4.03	Under garment knitted, not plastic	1	ור	, ,	ı I	ı I	וי	60	56	91	15	**	σ	ω	\$7	
€0.5.8	Outer garment mutted, not prastic	ı	ų	-	ı	_	1	ı	: 1	ı	ı	ı	ı	ı	15	0
61.1.	ABAYAS (Clocks)	1 1	۱ ،		י ו	4 ^	· ~	¥	10	7	10	9	ı	တ	4	• +
ट2	Women, girls outer garments	4	4 (u (ף ר	י אַ	٦ ٢	ı ır	יש ו	۰ ،	4	~	8	Ŋ	φ	а
€1.3.4	Men's and boys' shirts and pyjamas	ı	N	٥	2	0	~ (`	۰ ،	י נ		י ס	60		σ	
61.4	Women's & girls under garments	ı	1	1	1		V	ı	v	, ,	- c	١ ٥		. 4	50.	
.2.1.A	Eugs and blankets of wool	ı	t	ı	ı	ı	ı	ı	ı	n	J	n	,		<u> </u>	
1.53	Footwear with outer soles and upper	1	8	8	9	8	27	н	ı	Ħ	۲-	27	덦	57	23	0,5
64.2.A	of Futber Footweer with uppers of plastic	ı	1	I.	ı	ı	1	1	ı	М	m	8	ı	27	න 11	o H

Table 23

Exports of Selected Mining and Industrial Commodities by Quantity

B.T.N Tariff	Commodity	Unit of measure	1960	1961	1962	1963	1964	1965	ıgéé	1967	1968	1969	1970	1971	1972	1973	1974	े हैं
17.4	Sugar confectionary not containing cocoa	Ton	19	139	808	153	309	254	316	273	253	132	78	196	133	128	234	(,) (
1 9.6. c	Chocolate & other food preparation with cocca	Ton	ı	 10	*	6	4	122	113	92	49	13		23	42	<u>در</u>	5	
19.8.A	Biscuits not stuffed	Ton	ı	1	1	ı	ı	23	1	9	1	ı		74	σ	9	011	22
20.2.3	Olives preserved	Ton	8	285	598	705	574	1	627	868	953	1063	492	1032	ġ83	334	1206	707
20.2.C	Vegetables preserved	Tot	~	185	359	443	331	45	253	162	285	246		73	120	æ	124	22.
21.7.0	Dregs of sesame oil (Tahina)	Ton	23	170	8	803	286	276	324	317	281	218		211	182	66	54	o d
22.3.4.1	Beer in bottles less than half litre	1000 Bottles	ı	ı	1	1	1	1	1	1	ı	i	ı	ı	ı	ı		1.7 L
22.3. A.2	Beer in bottles of half litre	1000	ı	ı	ı	١.	•	ı	ı	1	ı	ı	ı	253	. 1	ı		117
22.9.B.1	Arak	1000 ltr.	1	ı	1	1	ı	1	ı	1	ı	ı	ı	27	ı	~	38	41
22.9.B.4	qip	1000	1	1	1	ı	ı	1	ı ,	ı	1	1	ı	74	ı	1		i
22.9.B.6	Ethyl alcohol	1000	١	ı	1	ı	ı	1	1	ı	1	1		1	ı	1	ı	:3
23.7.4.1	Concentrated materials for forage Ton	Ton	ı	1	•	ı	162	1699	2023	8 9	69	293			1	ı	ı	60.2
24.1. A	Jon Pac	Ton	9	4	6 0	10	77	11	10	11	ω	12	ı	7	12			, {
24.2.0	Cigarettes	Ton	35		23	161	451	308	230	439	343	359						<u> </u>
25.10	Natural phosphates	1000 Ton	31.8		358	357	627	604	755	882	1094	928			Н			C!
25.15.▲	Larble, raw or squared	Ton	227		1221	921	1062	1312	810	1013	1222	1047				7795 1		44300
25.23.▲	Cement	1000 Ton	٦		60	7	12	11	6	σ	65	93						(***
27.10.D.1	Gas oil and diesel oil	Ton	•	I.	1	1	•	ı	1	ı	ı	1	ı	ı	1	ı	3945	4.367
27.11	Petroleum gases (Hydrocarbons)	Ton	ı	ı	1	ı	ı	1	1	457	1196	790	72	1814	ı			2:2
27.15	Bitument and asphalt natural	Ton	ı	1	1	9240	6452]	15278 2	20549	0118	8007	4923	196	462	- 1	52:5		123
30.3.0.2	Human medicaments	Ton	ı	ı	ı	1	1	1	ı	N	4	112	177	270	273	378	506	5:3
32.9.▲	Varnishes for finishing tanning meterials	Tot	1	1	ı	9	1	ı	ı	ı	ı	•	1	63	1	ı	1	. 435
32.9.B	Other kinds of varmishes	Ton	•	•	1	ı	•	ı	ı	ı	1	ı	æ	1	12	133	504	103
33.6.A	Shaving somp	Ton	•	1	1	1	1	ı	1	•	1	2	ı	1	1	1	LT.	e [* +∃

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7	C mentag		•															
9.5.7	Tooth parted	Ton		ı	ı	ı	ı	1	1	ı	1	ı	ı	m	ŀ	1	<u>.</u> ح	αŋ
0.6.22	Perfumery coumptics	Ton	ł	ì	ı	ı	1	ı	ı	Μ	9	07	12	17	ı	7	2 3	:2
₩. H. + O	Ordinary scap	Ton	35	20	11	99	83	16	100	125	911	197	135	117	120	81	179	135
34.1.3.1	Toilet soap	Ton	t	i	•	1	ı	•	1	1	7	ထ	σ	26	4	90	 သ	591
4. 2. → 5.	Liquids, partes and plocks from the products of polymeri-sarion	uoI 	1	ı	1	1	1	ı	1	1	ı	1	ı	1	t	ı	116	ന ഉ
3.3.3	Cellulose	Ton	1	•	ı	t	1	•	1	•	•	1	•	1	ı	ω	103	95
m.7.48	Household articles of plastic	Ton	1	ł	ı	•	35	5 5	34	σ	1	1	ଛ	48	16	ω	52	108
H . C . C .		Ton	1	16	38	112	82	172	149	135	87	229	150			136	215	1156
e4 • 01	Ham hides and skins	Ton	•	99		1101	798	839	7601	821	1106	1200	1345	541	1062	1397	849	719
-6-5-	Tanned calf leather	Ton	1	1	ı	1	•	•	h	1	ı	•	1	•	1	2	•	470
47.3.8	Softened leather of sheep	Ton	•	1	ı	1	1	28	1	1	ı	•	ŀ	9.0	1	1	1	87
A. A. A.	Softened leather of goat	Ton	•	•	•	ı	1	1	1	ı	1	1	1	1	1	1	1	m H
a) ;;	Patent leather	Ton	. '	•	•	•	•	ŧ	1	•	•	~	•	1	1 .	ı	ı	
42.2.0.2	Leather, travel goods and hand bads	Ton	1	•	•	•	ı	ı	4	7	ı	ı	m	†	φ	6	'n	7
m.1.51	Craft paper for the manu- facture of bags	Ton	•	1	ı	١.	1	1	•	43	43	2171	2123	1428	1603	2245	2676	3545
48.5.B	Paper and paper board	Ton	l	1	ı	•	•	ı	•	140	194	285	214	242	54	260	509	62
48.10. A	Cigarette paper for manu- facture	Ton	•	1	•	9	ı	1	1	9	9	16	ı	ı	54	16	7.2	38
48.10.B	Cigarette paper not for manufacture	For	•	1	ı	ı	•	ı	1	1	45	7	54	28	•	5	*1	23
48.21.B	Sanitary towels of paper for wemen	Ton	1	ı	ı	1	•	1	i	27	101	144	244	140	23	50	43	120
48.21.H.1	Hamikerchi efs, towels and napkins	Ton	i	1	ı	1	١	1	1	15	43	198	80	215	228	197	250	234
51.4.A	Woven fabrics	Ton	•	гŧ	ı	1	ı	1	•	•	•	1	30	1	•	ł	200	1 9
<u></u>	Sheep's or lambs' wool not carded	Ton	ı	96	118	18	1	7.4	142	8	18	1	#	•	59	324	134	121
3.11	Woven fabrics	Tor	1	1	1	•	•	•	N	н	13	ય	13	133	50 80	145	200	다 다
55.6	Cotton yarn	Ton	ч	1	•	•	ŀ	•	•	•	•	•	•	•	ı	4	1	#
60.4	Under garment, knitted, not plastic	Ton	•	ı	1	ı	•	н	ช	1	99	85	51	8	**	8	4	61

23 (0.00)

	Commonty	Un.t of	19:0	1961	1962	1)63	1964	1965 1	1907	1907 1	1959 1	1969 1	1 0/61	1971	1972	1973	19.4	13.0
n . C . C .	Outer garment, Amitted, not	Fon	l	-	7	1	1	,	- 5	23	15	்	₹1	12	vo	3	25	- IO
-i	ALAKAS (Cloaks)	Ton	ı	ı	ı	1	ı	ı	ı	t	ı	ı	ı	ı	ı	**	Λį	<i>~</i> 1
C :	Worse, girls, outer Garmonts	Ton	7	н	8	٣	~	8	4	7	7	13	9	ı	7	50	41	w
:i.3.A	Men's and boys' shirts & pyjamas	Ton	ı	H	9	7	12	72	4	9	H	9	-	-	4	m	41	*7
**	Wiletts and girls under garmints	Ton	1	1	1	ı	н	.	ŧ	8	ī	٣	ż	22	17	Μ	91	α)
## ## ##	Reso and blankets of wool	Ton	1	ı	ı	•	•	ı	•	1	m	9	7	m	۵٬	16	~	6
# t	Footbear with outer sodes and rubber	Ton	1	m	N	ď	15	23	2	1	16	73	202	257	416	259	159	183
A.S.+.	Fouthmear with upper of plasticTon	tic Ton	1	ı	ı	ı	1	ı	1	1	า	14	σ	1	310	987	59	284
£4.2.3.2	Ctiler kinds of footwear	Tor	1	1	1	ı	약 년	ı	겨	14	18	33	18	4	143	င္ခ	თ	101
55.6.B	Other head-gear, lined or trianed	Top	1	ı	1	ı	ı	1	ı	•	ı	ı	ı	ı	ı	ı	ı	\U
58.2	Worked monumental or building stones	Ton	547	ı	911	ŀ	1765	•	ı	147	232						2123	4470
68.11.B	Tiles, pillars of cement	Ton	1	i	573	552	569	1053	1050	844	480	263	244	471	336	360	538	4913
T0.14.A	Lamps & lamp glassed of glass	Ton	ı	ŀ	1	• •	ı	ı	t	16	ı	1	. •	1	1	6 0	ដ	69
71.16.A	Imitation jewellery for religious use	Ton	1	ı	ı	ı	1	ı	F	ı	ı	~	٣	8	8	4	m	ω
73.10	Bars of iron or steel	Top	•	1	1	ı	1	1	ı	ı	225	ı	ı	ı	ı	100	ı	174
.3.22.B	Reservans, tanks and similar containers	Ton	1	ı	4	1	ı	ı	ı	ı	ŀ	ı	ı	ı	ı	1	1	375
F3.27.0	Canze, cloth, nettings of iron or steel	Top.	1	1	ı	ı	ı	ı	٠,	ı	:	1	ı	ı	ı	ı	1	7.1
73.36.C	Stoves, ranges and cookers	Top	ı	1	ı	ı	ı	ŧ	ı	•	1	ı	ı	1	ı	1	59	105
73.36.0	Stoves, boilers for central heating	Ton	•	1	ı	ı	•	ı	٠	ŀ	ı	•	1	•	1	ı	4.	142
r: -:-	Unirought lead	Ton	1	1	1	ı	ı	ı	ı	ŧ	•	,	t	ı	155	ı	1	720
H-9.67	Other articles of zinc	Ton	ı	ı	!	ı	ŀ	ı	1	1	ı	62	1	ı	21	8	210	513
83.15	Wire, rods, tubes of base metal	Ton	•	1	1	ı	1	1	ı	ı	ı	ı	1	ı	1	1	15	5.00
-																		

Tabl. 23 (Contd)

																		-
119 019 (3)	Commodity	Unit of 1960	1960	1961	1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975	1963	1964	. 365	1966	1967	968 1	696	. 076	[1761	1972	. 573	. 576	575
84.18.A	Oil filter and air purt-	į	•	ı	•	•	•	1	ı	•	1	1	ı	•	ı	•		ខ្ព
84.22.4	Hectric lifts	ş	•	ı	١	1	1	•	•	ı	1	ł	•	•	٠	1	1	151
84.56.A	Concrete mistures and stone crushers	180	1	i	1	1	ı	t	1	7	ł	•	ı	1	13	23	37	97
84.60.▲	Moulding boxes for metal foundry	198	1	ı	ı	•	1	ı	1	1 0	1 '	8 .	ı	1	e (ન 1	9 1	15
85.3	Primary cells and batteries	ğ	1	ı	23	Φ	7	ı	•	N	~	~	•	•	•	1)	}
85.4.B	Electric accumulators, more than 6 volts	đ	•	19	161	233	103	513	ag.	230	749	362	1521	2087	2446	2026	1952	241
85.27.▲	Bergman electric conduit tubing	10	•	i	ı	ı		1	ı	1	ı	•		•	σ (125	177	332
87.13.A	Baby carriages	ğ	1	1	ł	•	t	• ;	١ ;	۱ ;	۱,	۱;	l !	۱ ;	1 6		4	2 &
94.3	Other furniture and parts	Top	Φ	19	ま	8	٤ :	*	ţ	5	9	\$	1	,	Ç 1	- I	, ^	<u> </u>
96.2.0	Brooms and brumhes	g g	1	1	ı	2	#	F	ı	•	•	I)	ı			ı)
														۱				

Source: External Irade Yearbooks (1960 - 1975), Department of Statistics, Assen - Jordan.

<u>Table 24</u>

<u>Direction of Trade for Selected Years: Total</u>

<u>Imports (Current prices CIF)</u>
(In 000 JD)

ne	gion of Ori	igin	1960	1965	1970	1975
1.	Latin Amer	rica				
	of which:	Argentina, Brazil, Mexico	306.0	213.4	1088.8	293.5
	:	Other Latin America	-	_	-	9.4
2.	Asia					
	of which:	Semi industrial Asi	a 181.7	1209.6	2239.6	6390.4
	:	Asian centrally planned economics	398.8	1316.4	1496.7	2695.3
	:	Rest of non-indust- rial Asia		868.1	287.1	2903.0
	:	Japan	1535.9	25 36.1	3868.7	17104.4
3.		, New Zealand and ountries, South	302.6	_	92.0	9511.0
4.	Middle Earand North	st Opec Countries Africa	9086.7	8589.1	12840.4	46264.7
5.		uth of Sahara, South Africa	88.9	479.5	269.5	1219.5
6.	North Ame	rica (Canada + U.S)	5353.4	8497.7	7632.5	24765.8
7.	West Euro	pe '	16571.3	20338.8	23543.9	85577.6
8.	Europian Countries	centrally planned	2113.4	4026.7	4372.7	13832.0

Direction of Trade for Selected Years

Imports of Manufactured Goods
(at CIF Thousand J.Ds.)

	Region of Origin	1960	1965	1970	1.977
l .	Latin America	189	473	30	112
	of which: Argentina, Brazil, Mexico	-	83	30	112
	: Other Latin Americ	a 189	390	•••	-
2.	Asia	4266	5598	7701	2778
	of which: Semi industrial As	ia 980	1087	2156	5765
	: Asian centrally planned economics	1100	1306	1371	2380
•	: Rest of non-indust rial Asia	- 650	669	370	2555
	: Japan	1536	25 36	3804	17083
3.	Australia, New Zealand and Pacific Countries, South Africa		_		9 2 31
4.	Middle East Opec Countries and North Africa	2812	3484	5639	14564
5.	Africa South of Sahara, excluding South Africa	13	21	41	175
6.	North America (Canada + U.S)	2993	7920	7074	22744
7.	West Europe	20248	21484	26156	82716
8.	Europian centrally planned Countries	4250	5060	5 3 35	13377

<u>Table 26</u>

Direction of Trade for Selected Years
Imports of Selected Manufactured Goods
(CIF in thousand Jbs.)

F	Region of Origin	1960	1:365	1970	1975
ι.	Latin America	-	389.7	3.7	
	of which: Argentina, Brazil, Mexico	-	_	3.7	-
	: Other Latin America	_	389.7		_
2.	Asia	897.7	1224.8	2265.2	13419.4
	of which: Semi industrial Asia	_	31.6	227.2	3260 .9
	: Asian centrally planned economics	90.4	174.6	210.0	31,7.5
	: Rest of non-indust- rial Asia	261.2	288.5	52.1	•••
	·. : Japan	546.1	730.1	1775.9	9841.0
3.	Australia, New Zealand and Pacific Countries, South Africa	5.2	_	4.5	55 46.7
4.	Middle East Opec Countries and North Africa	331.5	424.4	927.4	3096.8
5.	Africa South of Sahara, excluding South Africa	-	0.8	_	1.4
6.	North America (Canada + U.S)	845.2	1222.9	863.9	5388.8
7.	West Europe	2798.3	9582.0	4610.5	19066.6
8.	Europian centrally planned Countries	955.6	1596.1	1562.9	4783.1

<u>Table 27</u>

<u>Director of Trade for Selected Years</u>

<u>Total Exports</u>

(F.O.B at thousand Jb.)

Reg	ion of Origin	1960	1965	1970	1975
1.	Latin America		•		
	of which: Argentina, Brazil, Mexico	0.1	_	_	-
	: Other Latin America	-	-	_	-
2.	Asia				
	of which: Semi industrial Asia	a 288.1	656.5	376.2	1974.8
	: Asian centrally plant ned economics	n- -		201.4	0.1
	: Rest of non-indust- rial Asia	0.1	56.6	_	2879.7
	: Japan	-	135.5	17.4	1907.9
3.	Australia, New Zealand and Pacific Countries, South Africa	_	_	-	-
4.	Middle East Opec Countries and North Africa	2122.4	5357.1	7267.9	17992.6
5.	Africa South of Sahara, excluding South Africa	_	_	_	49.5
6.	North America (Canada + U.S)	18.1	3 3.8	2.1	30.2
7.	W. Europe	667.6	749 .7	1150.8	4142.6
8.	Europian centrally planned Countries	22 52.6	836.6	217.9	6885.1

<u>Table 28</u>

<u>Director of Trade for Selected Years Exports of Manufactured Goods (FOB in thousand Jbs.)</u>

≀e,	gion of Origin	1960	1965	1970	1975
. •	Latin America				
	of which: Argentina, Brazil, Mexico	_		-	-
·	: Other Latin America Asia	-	-	-	-
	of which: Semi industrial Asia	_		-	.5
	: Asian centrally planned economics	 *	**		_
	: Rest of non-indust- rial Asia	_		-	_
	: Japan	_	-	-	_
3.	Australia, New Zealand and Pacific Countries, South Africa	-	_	_	_
١.	Middle East Opec Countries and North Africa	331.0	1688.6	2682.9	11364.0
·	Africa South of Sahara, excluding South Africa	_	-	9.0	35.2
	North America (Canada + U.S)	12.9	3 3.7	-	
	West Europe	15.2	1 3.7	15.7	1.3
3.	Europian centrally planned Countries	-		-	334.8

Direction of Trade For Selected Years
Exports of Selected Manufactured Goods
(at current prices in 000 Js.)

Rea	gion of Origin	1960	1965	1970	1.975
1.	Latin America	,			
	of which: Argentina, Brazil, Mexico	_	_	_	
	: Other Latin America	-	_	_	-
2.	Asia				
	of which: Semi industrial Asia	-	-	-	0.4
	: Asian centrally planned economics	-	_	_	
	: Rest of non-indust- rial Asia	-	•	_	-
	: Japan	_	_	-	-
3.	Australia, New Zealand and Pacific Countries, South Africa		_	-	
4.	Middle East Opec Countries and North Africa	96.9	704.0	1342.6	5043.1
5.	Africa South of Sahara, excluding South Africa	_		-	•••
6.	North America (Canada + U.S)	_		-	28.2
7.	West Europe	-	***	13.6	
8.	European centrally planned Countries	_		0.1	••

	5000	յ աթա	353.35		ı	3.06	37.19	.;	27.57	23.56	1.30	S: 30	1	1	24.43	1	5.94
		a chosta	292.25	£6.03	l	223.33	(i)	75 CU FH	(C)	144.11	128.06	1.59	126.47		1	2.34	•
	15 1.	३ ऱ्य≏त	304.27	232.94	. 1	71.23	33.7£	w.	14.65	3.82	() ()	0.56)	Ī	1	50.74	14.84
	iet	tibeat	185.34	(I) (II) (II)	ı	136.96	35.72	22.33	5.97	66.77	140.36	2.35	138.01	1	44-11	ı	-
	1974	1 7qəq	198.10	155.59	ı	42.48	17.43	2.2.5	12.65	10.29	0.7	0.11	ı	T	1	₹ 1.0	7.08
	्रि वि	t iboat	114.30	49.75	ı	64.61	17.29	8.8	20.2	36.49	86.85	2.43	84.43	1	10.88	1	_
	5) tded	37.62	107.80	i	29.82	11.28	1.26	10.26	7.02	I	ı	1	1	ı	12.48	_
	197	3 ibea0	76.92	£.00 €.00 €.00 €.00 €.00 €.00 €.00 €.00	5.17	52.67	10.71	6.34	2.03	33.59	64.60	: is :	61.09	ı	6.45	1	2.23
	2073	J idəQ	118.32	94.88	ı	24.04	11.27	7.0°4	5.28	6.44	1	·	1	'	ı	6.71	1.79
7 (80		tibead	51.94	17.01	ı	34.93	8.30	4.39	7.40	20.84	68.23	2.33	65.96	0.88	6.31	1	ı
%	1.00	nepr t	50:00	S 76.13	1	5 17.85	7.71	5 0.5	7 5.12	4.04		-	<u> </u>	n n	3.11	5 1.04	-
		атраир	2•1£	3 11.4		23.16	3.10	5.75	3.67	7 10.64	- 36.61	- 1.12	- 35.49	- 0.88	5 9.85	3 12.86	- 3.40
	183	1 रव भव	98.0%	ريا دي س		30.62	9.35	0.65	5 11.29	3.77					1.35	3.73	
		Credit	3	12:11		31.23	4.22	6.77	11.85	8.44	- 40.65	- 1.57	- 39.08	96.0 -	13:t -	- 5.25	- 3.74
	1969	1 ધ્વના	239.6	\$3.53		42.09	7.38	0.31	29.24	4.06			,				
	-	‡ t pait).	93.35	14.75	1	31.26	4.53	6.85	13.81 10.96	8.92	47.34	1.55	45.79	ı	5.34	10.92	0.32
	1968	र स्वर्ग	31.56	57.30	 	24.26	7.00	0.93	13.81	2.52	1	1	1	1	1.08	0.50 16.83	l
	-1	Credit	91.68	14.26		25.94	4.60	J. 85	6.34	6.15	54.48	1.41	53.07	-	6.04		1.25
	1307	1 रव्य	64.56	54.23	<u> </u>	10.33	5.29	ဝ. 8 ဒ	2.80	2.41	1	1	'	ı	1.03	34.59	· · ·
	23	trbort	90.74	11.33	· ·	25.48	6.79	4.4.	4.50	9.75	53.93	2.35	51.58	- S	3.01	1.40	5.03
			A) Current Account	1. Goois	Nor Nonetary Gold	2. Services	Travel	Invectment	Government	Other services	3. Unregaited tra-	Private	Central Govt.	F) Allocation of SDPs	C) Capital	D) Monetary Sector	S) Het errors and ormissions

Source: Central Bank of Jordan.

Data on Price Movements 1960-1975

	200.7	1960 1961	1962	1963	1964	1962	1966	1961	1962 1963 1964 1965 1966 1967 1968 1969	1969	1970	1971	1972	1973	15/4	1575
Cost of living index	1	*	, ,	*	**	4	**	30	7.66	107.5	114.8	119.8	129.3	107.5 114.8 119.8 129.3 142.9 171.5 192.1	171.5	1,92.1
Whole sale price index	101.3 87.7	87.7	84.7	93.1	\$	4	1	1	4	*	1	4	1	1	4	¥7
Price index for investment goods				,												
Import Price Index	101	103	100	101	101	101	104	109	110	113	122	3,0	130	144	177	66 ct
Export Price Index	5	*	8	8	8	105	103	116	125	123	112	101	113	113	243	262
Implicit deflater of G.M.P									•							
Wage Index: General																
Manufacturing	1	1	1	\$	3	1	1	1	1	1	4	1	*	**	¥	X.
do, skilled labor																
do, unskilled labor	,															
agricultural labor																

Source: Statistical Yearbooks, Department of Statistics - Jordan.

Notes: 1) Cost of living index for the city of Amman, only (Dase Year 1967 = 100)

2) Imports price index for all products
3) Exports price index for all products
4) Wholesele price index for all products in Ameian (Base Year 1953 = 100 for the period 1960-1963)

Table 12

Exchange Rates in the Period 1968-1975 (In Jordanian Fils)

									•
Currency		1968	6967	1970	1971	1972		1973 1974	1975
At the end of the period:	period:								
J.3. Dollar	Selling	359.0	359.0	359.0	359.0	359.0	330.0	316.0	331.0
	Buying	357.0	357.0	357.0	357.0	357.0	328.0	314.0	329.0
Sterling Pound	Selling	857.0	859.0	857.0	912.0	843.0	769.0	746.0	674.0
	Buying,	854.0	856.0	854.0	0.606	838.0	763.0	740.0	668.0
D. Mark	Selling	89.9	97.1	98.1	109.0	7.111	122.2	132.0	126.4
	Buying	89.7	6.96	97.9	108.8	111.5	121.8	131.6	126.0
Swiss Franc	Selling	83.5	82.9	83.0	91.3	94.9	7.101	125.8	126.3
	Buying	83.3	82.7	82.8	1.16	94.7	101.3	125.4	125.9
Franc	Selling	72.6	64.3	64.9	68.5	70.0	70.3	71.2	74.2
	Buying	72.4	64.1	64.7	68.3	8.69	70.0	70.9	73.9
Italian Lire (per 100	100)Selling	57.7	57.0	57.5	60.2	61.5	54.3	48.8	48.5
	Euying	57.5	56.8	57.3	0.09	61.3	54.1	48.6	48.3

Source: Central Bank of Jordan; several monthly bulleting

FIGURE ENERGY

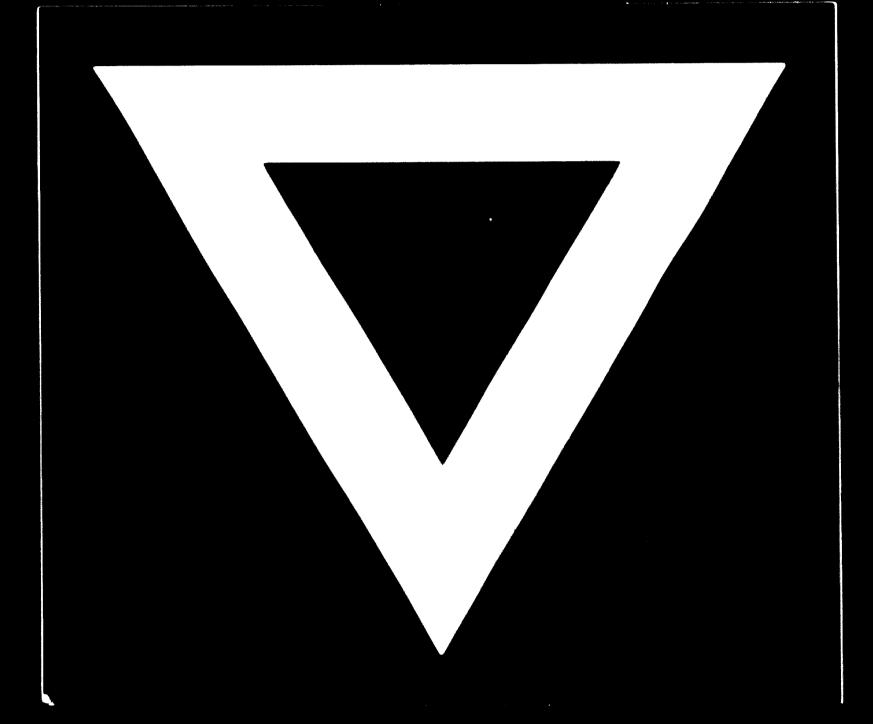
				· · · · · · · · · · · · · · · · · · ·				
1975	23563	126422	159000	149.5	258.7	107.2	355.5	96.9
1974	(1)	~1	132067	76.2	233.7	9.60	271.6	76.1
1973	×.	N.A.	· ",	80.7	99. 8.	280.5	248.9	80.4
1972	N.A.	M.A.		73.6	175.3	248.9	221.1	73.2
1971	ĸ.A.	¥.A.		6.09	149.2	1.012	186.9	60.3
1970	N.A.	4.A.		55.0	132.4	187.4	163.9	54.5
1969	N.A.	H.A.		9.19	132.2	199.8	177.6	27.2
1968	N.A.	X.A.		39.6	116.0	155.6	136.8	39.4
1961	N.A.	M.A.		39.2	118.2	157.4	136.9	39.0
1966	х. А .	M.A.		43.3	132.5	175.8	154.0	43.1
1965	M.A.	N.A.		39.2	116.8	155.0	137.9	3 8. 9
1964	N.A.	M.A.		33.7	112.0	145.7	119.7	33.5
1963	N.A.	N.A.		32.9	80.6	113.5	100.9	32.8
1562	N.A.	N.A.		N.A. 25.1	V 78.5	4,03.6	21.61/25.74/90.9 100.9	24.9
1960 1961	N.A.	N.A.			24.5¥ 30.3¥ 78.5	24.51 30.3 4/203.6	/ 25.7J	М.А.
1960	e N.A.	M.A.		• N.A.	24.57	24.5	21.61	N.A.
T B E E E E E E E E E E E E E E E E E E	I: Industrial Establishments Generate for their own Use N.A.	P: Enterprises Generate for Public Use	TOTAL PRODUCTION (NILLION KW)	I: Industrial Establishments Generate for their Own Use N.A.	P: Enterprises Generate for Public Use	1 ¥ E O E	CONSTRUCT (MILLION KW)	Of which Consumed by Manufacturing Industries

M Figures are for Amman District only. Source: Department of Statistics, Several Statistical Yearbooks

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We regret that some of the pages in the microfiche copy of this report may not be up to the proper legibility standards, even though the best possible copy was used for preparing the master fiche

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