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> > Algiers, Algeria

7 FED 1980

LONG-TERN PROSPECTS OF INDUSTRIAL DEVELOPMENT IN

SYRIA *

prepared by the Secretariats of UNIDO and ECMA

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This study was prepared by Dr. Ayman Midani, Consultant, Professor of Pinance, Faculty of Business Administration, Lebanese University, and Dr. Atif Kubursi, Consultant, Professor of Economics, McMaster University. It is a part of the preparations for the Fifth Industrial Development Conference for Arab States and has been reproduced without formal editing. Dr. A. Midani is responsible for the preparation of Chapters I through VI and Dr. A. Kubursi prepared Chapter VII on manufacturing sector in the year 2000. The description and classification of countries and territories and the arrangement of material in this publication should not be considered as implying any judgement by the Secretariat of UNIDD on the legal status of any country or territory, its boundaries or economic system. The views expressed herein do not necessarily reflect those of the United Mations.

PREFACE

This country study has been jointly prepared by the secretariates of EC.M and UNIDO as part of the work programme relating to periodic review and analysis of industrial trends and potentials in the ECMA region. The indepth country studies will provide also the building blocks for visualizing a regional picture for the industrial development of the ECMA region.

An important objective of this programme is to monitor industrial trends and potentials for meeting the targets of the Lima Declaration and Plan of Action and the New International Economic Order. More specifically this study will be prosented as background document for the Fifth Arab Industrialization Conference, Algiers, 18-25 November 1979 and the Third UNIDO Conference, New Delhi, 21 January to 8 February 1980.

The study consists of seven chapters, the first six chapters cover the historical performance in manufacturing for the period 1963-1977. The last chapter presents softmarios for Syrian manufacturing in the year 2000. Overall development planning and the performance of industry in the economy are analysed in the first two chapters. Chapter III is devoted to industrialisation policies and strategies, while chapters IV and V analyze the detailed industrial programmes and actual performance of the manufacturing sector. Foreign trade in penufacturing products are dealt with in chapter VI.

Consistant time series was not available for manufacturing variables at the desired level of disaggregation (3 digit ISIC) for the period under study. Special effort was made and with the help of CBS in Syria, a roughly comparable manufacturing time series for the required variables were constructed, for the period 1963-1977. These with dotails about methodology and procedure followed are presented in Appendix C.

The study include three additional appendices. Appendix A contains aggregate statistical tables for the Syrian economy while Appendix D covers the construction of an implicit price index for Syrian industrial output. Appendix B gives names and locations of the public sector manufacturing companies. TABLE OF CONTENTS

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CHAPTER I DEVELOPMENT PLANNING IN SYRIA

Introduction

The establishment on a significant scale of modern industrial enterprises in Syria was started by private enterpreneurs as early as mid forties and early fifties. Up until 1964, manufacturing industry was largely dominated by the private sector and during this period, the role of the public sector has been mainly regulatory and promotional and planning was practically confined to the public sector. With the transformation of the country into a socialist state in 1964, major means of production in the country including industrial establishments were transferred to the public sector through nationalization. Consequently, planning has been assuming a dominant role in the country's economic and industrial development.

The first attempt at centralized planning for economic development in Syria was made in 1959 when the country was united with Egypt as part of the United Arab Republic. In that year <u>a law no. 133</u> was issued outlining a ten-year economic and social development programme for the period 1959-1968.

In 1960, and after the separation of Syria from the ULR, a re-evaluation of the ten-year programme was made which resulted in breaking it up into two phases. The first phase was to cover the period July 1950 - June 1965, and that was the First Five Year Economic and Social Development Firm of Syria. The second phase was planned to cover the period July 1965 - June 1970. However, toward the end of the First Plan, the Legislative Decree Ho. 107 of August 7, 1965 was issued extending the plan period to the end of 1965.

Since then Syria went through an additional three Five Year Hoonomic and Coulal Development Plans. These are: the Second Five Year Plan 1966-1970, the Third Five Year Plan 1971-1975, and the Fourth Five Year Plan 1976-1960 which is still under implementation. In this chapter, a detailed comparative analysis of these plans will be mode. The analysis will cover the essential espects of the plans such as objectives, investment programmes, strategies and substantegies, and sources of financing. A modest attempt will be also mode at evaluating the implementation performance of these plans. This will be done in terms of a comparative analysis of the financial rates of spending emong the plans and within economic sectors. A separate section will be devoted to the identification and assessment of the problems which impeded the efficient execution of the plans.

Objectives of the Sconomic Development Plane.

In each of the Boonomio and Social Development Plans of Syria, a network of objectives was established. This network includes two levels: General objectives and sectoral objectives. The general objectives infallight the strategies of the plan and specify the growth targets for the aggregate economic variables. The sectoral objectives, on the other land, eleborate the national development strategies into more specific sectoral development sub-strategies and also state quantitative production targets for the economic sectors.

Discussion of the objectives at this juncture will concentrate on the general objectives only. This will of course include the underlying economic development strategies and the growth objectives for the aggregate economic variables. The analysis will point out the similarities and differences in objectives among the four plans. Sectoral objectives, except for those of the industrial sector which will be analysed in chapter III, will not be discussed in order not to divert the focus of attention from the main purpose of this study.

Gameral objectives.

A comparative analysis of the general objectives of the four Five Year Boonomic and Social Development Plans of Syria should distinguish between the First Plan and the three following plans in terms of the purposes and the market organization prevailing at the time the plans were implemented. The first Five Year Plan had the limited purpose of having the Government undertake

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the investments required for developing the infrastructure in irrightion, agriculture, transportation and communications, mining, electricity, and services sectors of the economy; as well as investing in the big industrial projects (e.g. fertilizers, steel, ..., etc.) which the private sector is unlikely to get into. The economy was then largely a free market economy where almost all economic activities were dominated by the private sector. Thus, the First Plan aimed at stimulating higher rates of growth in the economy than would be attainable had investment been left to the private sector alone. More specifically, the objectives of the plan were stated as follows:-

- 1. To double national income in ten years.
- 2. To provide equal opportunities for all citizens.
- 3. To build an industrial base in the economy.
- 4. To stabilize agricultural production.
- 5. To promote price stability.

Mowever, with the advent of the Second Five Year Plan all large firms in manufacturing industry were nationalized, and the major means of production in the economy came under Government control. Thus, the main responsibility for developing the economy transferred to the Government and the Public Sector. Unis is apparent in the evolution of the objectives in the Second, Unird, and Nourth plans. An examination of those objectives reveals a high degree of commonality among them coross the plans.

The development objectives which are common to both the <u>Second</u> and the <u>frind</u> Plans may be restated as follows :

- 1. To transform Syria into a socialist society and to develop the country within this framework.
- 2. To build an industrial base which is compatible with the country's agricultural and natural resource potential.
- 5. To improve the economic and social stendards of rural areas by providing job opportunities and better public and social services.
- 4. To promote science and technology.

Two objectives were common in the Second and the Fourth plans,

namely:

- 1. To mobilize mempower resources, raise their productivity and solve the unemployment problem.
- 2. To achieve a better spacial location of development projects georgraphically in order to promote regional development.

The <u>Third</u> and <u>Fourth</u> Five Year Plans had two objectives in common. These are:

- 1. To change the structure of the national economy by building a developed agro-industrial economy which can provide a strong basis for sustained growth.
- 2. To take advantage of the geographical location of the country and develop the transportation and communications network within the country and with the rest-of-the-world, especially with the Arab countries.

The Third Plon included other objectives, which are:

- 1. To develop agriculture by making optimal use of water resources; increasing and Aiversifying agricultural crops and animal farm products; intensifying the use of fertilizers, improved seeds, and agricultural equipment, training form workers; and spreading the cooperative system.
- 2. To increase and diversify exports.
- 3. To gradually increase the Government control over internal home trade.
- 4. To raise the standards of services in health, education, housing, culture, social and public administration.

The <u>Nourth</u> Nive Year Plan defined more ambitious strategic objectives by aiming at achieving higher degrees of self-sufficiency in the country. These objectives are:

- 1. To develop, exploit and preserve natural resources (agricultural and mineral) of the country.
- 2. To achieve self-sufficiency in the major food stuffs and clothing products, and to reach a higher degree of self-sufficiency in all the other products.
- 3. To raise mutrition standards, especially in the consumption of meate.

- 4. To produce all sources of energy locally, whenever that is fecsible economically and technically.
- 5. To locally manufacture all agricultural producers goods, and to move in that direction with respect to other capital goods.
- 6. To increase government revenues by improving the tex collection mechanism.
- 7. To modernize the public administration system and raise the efficiency of its services.
- 3. To improve the trade balance and achieve a surplus in it.
- 9. To expand the experiment of decentralization of government (i.e. local administration).

Mational Giantitative Objectives.

. The Five Year Plans have also established growth objectives for the aggregate communic variables such as: gross demestic product and its sectoral components, consumption, savings, investment, employment, exports, imports, suit the permitted price level increases. These objectives are summarized in Table I-1.

The First Five Year Plan aimed at achieving a real rate of economic growth of 40 per cent over the Five-Year period, or an average rate of 7 per cent annually. Sectoral incomes were planned to grow at an average annual rate of 5.7 per cent in agriculture, 9.2 per cent in industry, and 15.8 per cent in building and construction. The rate of savings out of GiP was expected to rise from 11.5 per cent in the base year to 14.3 per cent in the Fifth Year, thus increasing national savings by 40 per cent over the period. Private consumption was to increase by an average annual rate of growth of 6.2 per cent. Given a population growth of 2.5 per cent annually, the plan estimated per cepita income and consumption to grow at the rates of 4.5 per cent and 3.6 per cent annually respectively. Employment was expected to create 185 thousand new jobs.¹/

1/ MITT HVe Year Plan, pp. 20, 25-27

		First Five 1960/61-3	ve Year Plan	First Five Year Plan Second Five Year Plan Third Five Year Plan Fourth Five Year Plan 1960/61-19654 19806-19702 1966-19702	Yor Plan	Third Five 1971-197	Year Plan	Fourth Five 1976-19	Road Plan	
		Periodio growth Rate	Average ensuel etc	Periodic growth Rate	Average annual growth	Periodic growth rate	Avorage annual growth rata	Periodic growth rate	Avera ge anniaî ⁻ growth rata	
4	A. Gross domestic product	40.0	7.0	41•5	7.2	48.3	8.2	76.2	12.0	
	1. Agriculture	32.0	1	5-12	5.0	t	5.1	46•9	8.0	
	2. Industry, mining, power and energy	55.0	ł	30•6	5•5	ı	15.8	104.7	15•4	
	3. Building & construction	106.0	1	1	1	t	ζ.ΙΙ	110.3	16.0	
ë.	B. Total consumption	1	1	1	1	1	1	75.0	11.9	
	1. Private consumption	34.5	1	36.9	6.5	38.8	6.8	62.8	10.2	
	2. Government consumption	40.0	1	27.6	5.0	47.0	8.0	107.4	15.7	
ບ່	C. Savings	40.0	1	88.5	1	99.3	14.8	80.2	12.5	•
Å	D. Investment	1	1	ł	7.2	66.5	10.7	74.3	11.8	
м	E. Eports	1	1	20.9	1	37.0	6.5	40•3	7.0	
ħ	P. Imports	ł	1	2 6 •6	1	27.6	5.0	43.6	7.5	
•	G. Enployment	1	1	19•0	ł	1	4.7	26.8	4.9	
Н.	H. Price level increase	1	1	I	ł	ł	ł	30•0	1	
I	Sources: 1) United Arab Remiblic. Ministry of Planning. The Economic and Social Develorment Plan	blic. Minis	try of Play	nnine. The]	Peonomic and	1 Social De	velonment]	Plan		

Table L-1 - Aggregate economic variables objectives in the Four Five Year Economic and Social Development Plans of Syria United Arab Republic, Ministry of Flanning, The Sconomic and Social Pevelopment Flan of Svrie for the Tears 1960/61-1964/65, Damascus, July 1960, pp. 20-21. 7 Recence

State Planning Commission, <u>The Second Five Year Plan for Economic and Social Development:</u> <u>1966-1970</u>, Damascum, 1967, pp. 11-13. 5

State Planning Commission, The Third Five Year Economic and Social Develorment Plan of Syria: 1971-1975, Damascus, January 1971, pp. 8-9. Ĩ

State Plarning Commission, The Fourth Five Year Foonomic and Social Development Plan of Syria: 1976-1980, Demascus, January 1976, pp. 7-10. 4

The Second Five Year Plan aimed to achieve a real rate of economic growth of 41.5 per cent over the Five Year period, or 7.2 per cent annually. Income originating in agriculture was planned to grow annually at 5.0 per cent, while that of industry by 5.5 per cent over the period. The planned average annual rates of growth for the other economic variables were as follows: 6.5 per cent for private consumption, 5.0 per cent for government consumption, 13.5 per cent for savings, 3.9 per cent for expanse, and 4.0 per cent for imports. Employment was envisaged to increase by 19 per cent over the five years period; that is providing 230,559 job opportunities of which 98,142 were expected to be permanent new jobs. The remainder would represent an increased utilization of existing employment,

The Third Five Year Plan established a higher target real rate of ' Jonomic growth of 43.3 per cent over the period, or 5.2 per cent annually. Just like in the previous plan, the agricultural sector was planned to grow at 5 per cent annually. However, the industrial sector target rate of growth was raised to 15.8 per cent per year. Government consumption was not to increase faster than 3 per cent annually, while the growth in private consumption was not to exceed 6.8 per cent annually. Savings were to grow at the rate of 14.8 per cent annually. Exports and imports were to increase at the annual rates of 6.5 and 5 per cent respectively. Employment in the economy was planned to increase at 4.7 per cent annually.²

The Fourth Five Year Plan had a more ambitious growth targets for it aimed to cohieve a real rate of economic growth of 12 per cent annually. The growth rates of the agriculture and industry sectors were set at 8 per cent and 15.4 per cent respectively. Private consumption was allowed to increase at the rate of 10.2 per cent, while government consumption was expected to increase at 15.7 per cent annually. Savings were to grow at the rate of 12.5 per cent ennually. Investment was to increase at 11.0 per cent per year.

1/ Second Five Year Plan, pp.44, 50, 53-54, 140-141.

2/ Third Five Year Plan, pp. 8-9.

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Exports and imports were expected to grow at the rates of 7 and 7.5 per cent, respectively. Employment was planned to increase at 4.9 per cent annually. The price level increase over the period was not to exceed 30 per cent.^{1/}

Investment Programs of the Four Five Year Plans

The estimated investments required to achieve the stated objectives of each of the Four Five Year Economic and Social Development Plans witnessed a very sharp increase between the First and the Fourth Plans. Thus, while the investment requirements of the First Plan were estimated at SL 2.7 billion, the figure rose to SL 4.9 billion in the second plan, then to SL 3 billion in the Third Plan, and to an overwhelming figure of SL 54 billion in the Fourth plan. A summary of the investment programs of the four plans and their distribution among economic sectors and by public and private sectors is presented in Table I-2. The Table shows that the planned share of the private sector in the investment programs exhibits a systematic decline. It fell from 36.8 per cent in the First Plan to only 17.3 per cent of the total investment in the Fourth Plan. However, the private sector was expected to continue to play a major role in the housing construction, agriculture and irrigation sectors of the economy.

A close examination of the distribution of the investment programs of the public sector among the economic sectors is reflected in the development strategies which underly each of the four plans.

The First Five Icar Plan

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The First Five Year Plan assigned top priority to the irrigation and land reelemention sector which was allocated SL 780 million, or 39.2 per cent of the public sector investments. The purpose of this large investment was to stabilize agricultural output, traditionally the largest but the most volatile productive sector, by reducing its dependence on rainfall and increasing the areas of irrigable land.

1/ Fourth Five Year Plan, pp.7-10.

programs of the Four Five Year Economic and Social Development Plans and	n among economic sectors and by public and private sectors (SL million)
	their distribution among economic

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		First F 1960/	First Five Year 1960/61-1965	Plan			Secon	Second Five Year 1966-19702	ay Flan	
	Public		Private			Public		Frivate		
	sector	% of	sector	Total	Å of	sector	% of	sector	Total	h of
	invest-		invest-	invest-	total	invest-	total	invest-	invest-	total
	ment		ment	nent		nent		ment	ment	
Buphrat a s Dam project	ŧ		1	I	,	651	16.3	1	651	13.1
Irrigation & land reclaration	780	39•2	ጽ	830	30-5	155	4.4	150	305	6.2
Agriculture	95	4.8	175	270	6.6	136	з. 9	300	436	8.8
Industry and mining	235	11.8	1	235	8.6	348	10.0	5	395	8.0
Fower and energy	274	13.8	1	214	10.0	612	17.7	1	612	12.4
Transportation & commications	s 387	19.4	150	537	19.7	769	22.0	125	394	15.0
Publio utilitics & housing	47	2•3	245	292	10.7	503	14 •5	755	1 278	25.8
Services	1/1	3. 6	111	282	10.4	280	8.1	100	380	7.7
Total	1 989	100	731	2 720	8	3 454	100	1 500	4 955	100

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"Continued"
1. 2
Table

		Third F	Third Five Year Plan 1971-1975	Plan			Fourth	Fourth Five Year Flam 1976-19804	ar Plan	
	Fublic		Private			Fublic		Private		
	sector	% of	sector	Total	% م	sector	% of	sector		% of
	invest- t	total	invest-	invest-	total	invest- ment	total	invest-	invest-	total
Euphratus Dam project	1 593	24.7	1	1 593	19.9	7 439	16.5	ł	7 439	13.7
Irrigation & land reclamation	212	3•3	011	352	4-4	1 095	2 •4	2 500	3 595	6.6
Agricul ture	436	6.7	סלת	576	7.2	1 904	4•2	1	1 904	3•5
lndustry å mining	1 173	18.2	150	1 323	16.5	688 6	22.0	1 400	11 289	20.8
Power and energy	1 014	15.7	1	1 014	12.7	7 985	17.8	1	7 985	14.7
Transportation & communications	183	12.1	100	<u>8</u> 83	0.11	5 136	11.5	500	5 636	10.4
Public utilities & housing	586	0•6	903	1 489	18.6	3 997	8.9	4 083	8 085	14.9
Services	650	10.1	120	171	9.6	7 332	16.4	86	8 232	15.2
Total	6 417	100	1 553	8 000		44 777	100	9 388	54 166	100

1/ The First Five Year Plan, Ibid., p. 12-13
2/ The Second Five Year Plan, Ibid., p. 12
3/ The Third Five Year Plan, Ibid., pp. 31,34
4/ The Fourth Five Year Plan, Ibid., p. 43 Sources:

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The second priority in the plan was given to the transportation and communications sector which was allocated SL 387 million, or 19.4 per cent of the investment. The strategy was to link the production centers of the economy with the markets and with the ports of exports. This was to be achieved by constructing a network of roads, railroads, and communication systems to facilitate the conmodity flows across the country. Railroad projects received SL 173 million, thus accounting for the largest proportion of the investment in this sector. Roads and bridges were allocated SL 74 million, and SL 67 million went to developing the communications systems.

The energy and power sector ranked third with investment allocations of SL 274 million, or 13.8 per cent of the investment. The energy (petroleum) sub-sector accounted for SL 211 million of the investment with SL 63 million going to developing the electricity sub-sector. The special emphasis placed on petroleum stems from the strategic consideration of developing this subsector to become a major foreign exchange earner for a country whose foreign currency revenues fluctuate widely with the fluctuations in agricultural production and hence exports.

The industry and mining sector came in the fourth place on the list of priorities in the First Plan, and was allocated SL 235 million, or 11.8 per cent of the investment. Of this sum SL 205 million were allocated to manufacturing industry and SL 30 million to mining. The purpose of the investments in mining was to conduct geological surveys to obtain information about the mineral resources of the country.

The Second Five Year Plan

The Second Plan gave top priority to developing the transportation and communications sector by allocating SL 769 million, or 22.2 per cent of the public sector investments to it. The emphasis on this sector was in recognition

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of its strategic importance for other sectors, especially agriculture, industry and trade. Thus, the plan aimed to achieve the following objectives in this sector:

(1) To expand horisontally the roads network by constructing new roads, increasing the lengths of paved roads, and raising the structures of the main highways.

(2) To construct new railroads with international standards and modernize the existing network.

(3) To expand the capacity of seaports, acquire modern port equipment, complete the second major Syrian seaport at Tartous, and build small fishing ports.

(4) To construct a new international airport in Demoscus, modernise other cirports and acquire new passenger air carriers.

(5) To expand the coverage of the television broadcasting to cover the entire country.

(6) To develop telephone, telegraph, postal and weather forecasting services.

The second priority of the plan was the Suphratus Dan Project which was allocated SL 651 million, or 18.8 per cent of the investment. The project aimed at constructing gravel dan which is capable of storing 7.3 billion n^3 of water, building a power generation station consisting of 8 units which has a capacity of 800 thousand KW and which can produce 1.6 billion KME cannually, and irrigating 640 thousand hectars of land. It was estimated to cost SL 635 million for the dam, and SL 503 million for the power station. Total investment required for the project including the housing project near the dam site and the irrigation and land reclamation works was estimated at SL 1,281 million.

The third priority in the plan was given to the power and energy sector which was allocated SL 612 million, or 17.7 per cent of the investment. Of this sum, SL 417 million were allocated to the petroleum sub-sector and SL 195 million to electricity. The strategy in the petroleum sub-sector was to establish an integrated oil industry in all the aspects of exploration, production, transportation, storage and refining. As for the electricity sub-sector, the strategy was to develop the industry in the production, transmission, and distribution sides with the purposes of reducing the cost of electricity and ensuring the utilization of the power that will be generated by the Deplacetus Dam Project.

Public utilities and housing came in the fourth level of priority followed by industry and mining, and were allocated SL 503 million and SL 348 million, respectively.

The Dard Five Year Plan

The Third Plan was primarily an extension of the Second Plan, for 54.3 per cent of the "ublic sector investment was allocated for completion of projects underway (i.e., projects which were started in the Second Plan, but were not completed). The distribution of the investment between exceptions and new projects and new projects in each of the economic sectors is shown in Table I-3 below.

The plan also identified a number of standby projects in each economic sector and estimated their capital investment requirements, but without making any allocations for them.

The structure of the public sector investment program in the Third Flam indicates that the primary strategic concerns of the plan was the completion of the Huphratus Dam Project in 1975. Hence the project was allocated SL 1,595 million, or 24.7 per cent of the investment, for completion of the Dam and for the reclamation of 38,700 hectars of Land which would provide employment for 53 thousand workers.

	Carryover projects	New Projects	Total	Carryover as percentage of cectoral total
Buphratus Dan project	1 593	-	1 593	100
Irrigation and land reclamation	5 7	155	212	2 7
Agriculture	1 77	259	436	40.6
Industry and mining	616	557	1 173	52.5
Power and energy	299	715	1 014	2 9 •5
Transportation & communications	578	205	78 3	73.8
Public utilities and housing	64	522	586	10.9
Services	113	53 7	650	17.4
TOTAL	3 497	2 950	6 447	54.3

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Table I.3 - Distribution of the Pablic Sector Investment between new and carryover project. in the Third Plan (SL million)

Source: Third Five Year Plan, pp 31, 34.

The industry and mining sector was given the second priority in the Plan with allocations of SL 1,173 million, or 18.2 per cent of the investment. Of this sum SL 1,033 million was allocated to manufacturing industry. The strategy for manufacturing industry was to complete building the industrial base by modernizing existing industries, and constructing new industries for the exploitation of agricultural and mineral resources of the country. Special emphasis was also placed on the manufacturing of producers goods. The mining subsector was allocated SL 140 million, of which SL 109 million was allocated to the General Phosphate and Mines Company which is charged with the exploitation of the Syrian phosphate and rock salt mines.

The third priority in the plan was assigned to the Power and Lnargy Sector with allocations of SL 1,014 million, or 15.7 per cent of the investment. The share of the energy sub-sector was SL 736 million. The strategic objectives of this investment were essentially to:

1. Complete the exploration efforts throughout the country in search for new oil fields in order to increase the national oil reserves.

2. Expand the exploitation of existing oil fields and develop and exploit the newl, discovered fields.

3. Raise the copacity of the crude oil pipeline.

4. Expand the refining capacity of Syrian crude oil by consuructing a new refinery with a capacity of 2 million tons annually.

5. Raise the storage objacity of oil products.

The investment strategy in the electricity subsector, which was allocated SL 278 million, was essentially twofold. First, to provide for the electricity needs of the country in the years prior to the generation of hydro-electric power from the Exploratus Dam Project. Second, to construct the networks required for the transmission and distribution of electric power, especially that which will be generated by Daphratus Project.

The Fourth Five Year Plan

The Fourth Pive Year Plan may also be considered as a mare continuation of the previous plan since 61 per cent of the public sector investment was allocated to carry over projects. The detailed distribution of the investment between new and carryover projects by economic sector is presented in Table I.4 below. As before the plan also identified standby projects for which no allocations were made.

		izzyover Nojects	1	liev projects	ļ	lotal	Carryover as percentage of sectoral total
Lisphratus Dan project	7	379		60	7	439	99.2
Irrigation and land reclamation		456		639	1	095	41.6
Agriculture	1	226		677	1	904	64.4
Industry and mining	7	402	2	487	9	889	74.8
Power and energy	4	271	3	708	7	905	53.5
Transportation & comminations	3	461	1	655	5	136	67.8
Public utilities and housing		983	3	014	3	997	24.6
Bezvices	1	969	5	363	7	332	26.8
20 ml	27	173	17	604	44	π	60.7

TABLE 1.4 DISTRIBUTION OF THE PUBLIC SECTOR DEVESTMENT BEAMLEN MEN AND CARRYOVER PROJECTS IN THE FOURTH PLAN (SL MILLION)

Source: Pourth Five Year Flan, p. 46.

Industry and mining received the largest allocation in this plan which amounted to SL 9,889 million, or 22 per cent of the investment. Of this sum, manufacturing industry received SL 9,487 million, and mining SL 402 million. Thus the Fourth Plan may truly be considered as the plan of developing the industrial base of the economy, although 75 per cent of the allocations to manufacturing industry were appropriated to carryover projects from the previous plan. In the mining subsector, SL 336 million were allocated to the General Company of Phosphate and Mines to develop the existing phosphate plants and to construct new ones as well as to develop the rock salt mines. The General Asphalt Company received SL 11.3 million to develop the asphalt quarrying sites and processing plants. Geological surveys were allocated SL 55 million. The invostment in the mining sector was in consistency with the strategy of developing, extracting and processing the mineral resources of the country.

The second investment priority in the Fourth Plan was given to the Power and Energy Sector which was allocated SL 7,985 million, or 17.8 per cent of the public sector investment. The share of the power sub-sector in this sum was SL 4,879 million distributed as follows:

	Investment (SL million)
Power generation	2 455
Power transmission	1 316
Power distribution	600
Electrification of rural areas	320
Improving means of production	138
	4 879

The energy sub-sector, on the other hand, reserved SL 3,106 million distributed as follows.

	Investment (SL million)
Petroleum production	1 422
Potroleum transportation	211.5
Petroleum refining	1 187.2
Petroleum products storage and distribution	275.0
Yosstional training	
	3 106.2

The main strategy which governed the investment in the power and energy sector was to attacpt to produce locally all sources of energy, whenever that is economically and technically feasible, for the purposes of providing a continuous supply of electricity and fuel to the productive sectors of the economy and have a surplus for export. Additionally the power sub-sector was to expand the linkage of the electric current with the neighbouring incb countries (e.g. Lebonon and Drag).

The third priority in the plan was given to the Exphratus Project which was allocated SL 7,439 million, or 16.6 per cent of the resources. In fact the construction of the Dam was actually completed in 1975. However, the land reclamation and irrigation projects are still underway.

The fourth investment priority was assigned to the transportation and communications sector which was allocated SL 5,136 million, or 11.5 per cent of the investment. The objectives governing the investment in this sector may be summarised as follows:

1. To continue to exphasize road transportation as the basic means for moving passengers and connodities.

2. To complete the international network of roads and railroads and provide for their linkages for the purpose of raising the effectiveness of the transportation sector.

3. To develop and better utilize the capacities of transport facilities such as airports, seeports, highways, and railroads which were established in previous plans.

4. To complete the network of secondary high mys connecting the major high mys and railroads, to enable a better utilization of the capacity of the latter.

5. To expand the telephone services in the population centres.

Source of Financing the Development Plans

The financing of the public sector investments in the Five Year Plans of Syria was provided for largely from internal resources. The financing was derived from four major sources.

(1) The surpluses of public sector enterprises of economic nature which include: banking and finance, trade, agriculture, public utility, and industrial organizations, as well as Syrian crude oil export revenues.

(2) The surpluses of public and local (municipal) administrations.

(3) Other sources which primarily include the Public Debt Fund Surplus and bank loans.

(4) Irregular sources.

A summery of the planned financing out of these sources for each of the Four Five Year Plans is presented in Table 1.5.

A close excitation of the table reveals a number of points. Mirst, the local sources of financing have provided an increasing proportion of the public sector investment financing needs as the plans progressed. More specifically, while only 54.5 per cent of the financing needs were expected to be derived from local sources in the First Plan, this ratio increased to 67.6 per cent in the Second Plan and to 86.6 per cent in the Third Plan. It was 81.8 per cent in the Fourth Plan. In absolute terms the difference between the investment financing needs and what could be obtained from local sources of financing was SL 909 million in the First Plan, but increased to a total of SL 8,140 million in the Fourth Plan. Second, the surpluses of public enterprises engaged in economic type of activity have increasingly become the most important source of local financing. These enterprises have accounted for 23.4 per cent of the local sources of financing in the First Plan, 66.5 per cent in the Second Plan and 80.1 per cent in the Third Plan. Howver, their planned contribution fell to 53.8 per cent in the Fourth Plan. Howver, their planned contribution fell to 53.8 per cent in the

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		First Fiv	¶_¥ear	Second Five Year Plan	vg /Year	Third Five/Year Plan	M Year	Fourth Five/Year Plan	vg/Iear	1
		Amount	R	Amount	Ŗ	Amount	٠٦	Amount	-2	ł
Α.	Surplus of public enterprises of economic nature	402	23.4	1 551	66.5	4 475	1.0 <u>8</u>	<u> 202 67</u>	53.8	1
	1. Banking & finance sector	145		393	16.8	712	72.7	1 738	4.7	
	2. Trade sector	8		173	7.4	259.	4.6	1 999	5.4	
	3. All other public organiza- tions of economic activity	131		785	33.7	1 201	21.6	711 T	19.4	
	4. Revenues from export of Eyrian crude oil	100		%	8•5	2 237	0.04	8 7 02	23.7	
	5. Agriculture sector	8		1		60	1•0	971	1	
e	Surplus of public and local administrations	011	6.3	IR	33. 6	470	8.4	3 810	10.4	- 20
ల	Other resources 1. Public Fund Bonds	91 <u>5</u> 98	30.1		1-2	265	4.7	21 9 30		-
	2. Bank loans	I		102		265		ú45		
	3. Budget surplus	420		I		1		I		
Ч	Irregular resources	କ୍ଷ (0.7	250	<u>7.01</u>	315	6.1	12 650	2.12	
4	FOTELER DOTTONING	8	37•2	•		•		1		
"	Total (A + B + C + D + E)	1 720	100.0	2 330	100.0	5 585	0.0	36 63 7	100.0	
	Sources: 1/ First Mtm Text No.	LAT AND	a a							•

Table L.5 Sources of financing public sector invertments in the Four Five Year Economic and Social Development Plans (SL million)

1 First N'10 Year Plan, Ibid., p.28
2 Second N'10 Year Plan, Ibid., p. 67
3 Third Eive Yacz Plan, Ibid., p.106-103.
4 Fourth Five Year Flan, Ibid., pp.26-228. Sources:

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the Syrian Petroleun Company. As can be seen from Table 1.5, expected revenues from the export of Syrain orude oil have increased from SL 100 million in the First Plan to SL 8,702 million in the Fourth Plan, reflecting toth the increase in the volume of production and the quadrupling of oil prices after the 1973 war. Oil export revenues alone accounted for 23.7 per cent of the local sources of financing in the Fourth Plan. Finally, it might be noted that the inregular resources of financing have anounted to SL 12.6 billion in the Fourth Plan, or 34.5 per cent of the total of local resources.

Evaluation of the Implementation of the Five Year Development Plens

The implementation of the Five Year Economic and Social Development Plans did not proceed as expected in the Plans. Actual investment expenditures fell short of the final appropriation hence leading to unfavourable rates of implementation. Furthermore, a number of problems and difficulties arose which impeded the execution of the developmental projects. This section attempts to assess the performance of the Five Year Plans and hgihlight the probelms which prevented the fulfillment of their objectives. Analysis of planned financing and actual implementation is used as an indicator or a rough assessment of planning performance.

Noturi Exponditure vs. Final Investment Appropriations

During the course of implementation of the Five Yaar Plans, the public sector investment programmes were subjected to modifications which resulted, generally, in an upward revision of the final appropriations in the Annual Levelopment Budgets. The excess of final appropriations over planned investments was relatively immignificant in the first two plans, 8.3 and 7.9 per cent, respectively. However, in the Third Plan the excess was as high as 91.4 per cent.

A number of factors may have contributed to the differences between planned investments and final appropriations. Perhaps the more important of these factors are the following: (1) Changes in the project priorities which have resulted in dropping some planned projects and/or adding new ones.

(2) Poor estimates of capital investment costs for some projects at the initial planning stage, which necessitated making additional appropriations at the time of contracting for such projects.

(3) Cost over-runs during the execution of some projects which required supplementary fund allocations for them.

a summary of the final appropriations and the actual investment expenditures of the public sector distributed by economic sector in each of the Four Plans are presented in Table $I_{*}6_{*}$

It can be seen from the table that a total of SL 24.5 billion has been actually spent on development projects in the Three Five Year Plans and the first two years of the Fourth Plan. The rate of financial spending (actual expenditures to final appropriations) in the First Plan was a low 56 per cent (60.7 per cent of the planned investment). It has exhibited an improvement in the Second and the Third Plans by rising to 70 per cent. However, it fell slightly to 68.6 per cent in the first two years of the Fourth Plan as final appropriations amounted to SL 1,687 million.^{1/}

A comparative analysis of the expenditure rates among the productive economic sectors over the Four Plans shows that the power and energy sector has consistently been the best performer, followed by the transportation and commications sector. The industry and mining sector demonstrated high rates of expenditure in the Second Plan and the first two years of the Fourth Plan. The lowest rates of spending have consistently been in agriculture.

A more detailed presentation of the actual expenditures and final appropriations of the manufacturing industry, mining, petroleum, and electricity subsectors is shown in Table 1.7 below.

^{1/} State Planning Commission, <u>Implementation of the National Economic Plan</u> <u>Follow-up Report</u>, 1977.

	ម្ព	
riations and actual investment expenditures of the minis	in the Four Five Year Economic and Social Development Plane (st Linian)	
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Table I.6 - Final appropriations and ac		
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	First 196(First Five Year Plan 1960/61-1965	Plan	Second	Second Five Year, Plan 1966-1970-	Plan	Third	Third Five Year Plan 1971-19752	2 ^B lan	Fourt	Fourth Five Year Plan 1976-19805	5 Plan
	Final approp- ristions	Actual expan- ditures	Rate of expen- ditures	Final approp- riations	Actual exper-	Rate of expen- diture	Final approp-	Actual expen-	Rate of expen- diture	Planned invest-	1976–77 actual	Rate of expen-
			R			ve	SUOTISTI	al tures	<i>y</i>	menus	di tures	
suprestue lea project	1	1	1	651	377	58.0	1 731	1 252	5.07	064 2	300	
Irrígation and land reclamation	434	204	4.(•0	182	101	58.4	235	138	58.7	1 095.	31 3	
Agriculture	114	41	36.0	1	18	12.5	905 2	024		, ,		
Industry & mining	740	53	37.8	537	394	D.FT	00/ 20/ 20/	4/4 1 550	1.20		250 250	
Power & energy	349	263	75-4	151	147	98.0	3 446				رمی در م	
Transportation and communications	472	262	55+5	921	 623	67.7	1 651	ж(1 195	72.4	- 7 5 136	2 602 1 449	-
Public utilities and housing	425	236	53.5	356	255	71.6	483	Tot	63.5	3 997	1 362	23 -
Services	221	149	67.4	180	92	51.1	1 167	1 077	92.3	7 332	1 477ª/	:
TOTAL	2 155	1 208	56.0	3 728	2 607	70.0	12 341	8 587		-	111	
Sources: 1/ Secon	Second Five Year Plan, Ibid., pp. 434, 445, 450, 461, 465, 467, 469.	r Plan, I	bid., pp.	434, 445,	450, 461,	465, 467			· •			

State Planning Commission, <u>Implementation of the National Economic Plan Pollow-up Reports</u>, for the years 1966, 1967-68 1969, 1970, 1975, 1977. ন

Includes comparing expenditures of internal trade organizations which accounted for SL 242 million. ेग

	Table I.7Final Appropriations and actual public sector expenditures in the industry, mining, power and energy sectors in the	FOUT FIVE TEAP FORMANT and Sovial Dermlander -
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r Five Year Economic and Social Development Plans (SL Million)

					INTITA TAL	_			
	E I	rst Five Yea 1960/61–1965	Five Year Plan /61-1965		ß	econd Fi	Second Five Year Plan 1966-1970	E.	
	Final approp- riations	% of total	Actual expen- ditures	Rate of expen- diture	Final approp- riations	% of total	Actual expen- ditures	Rate of expen- diture	
$Industry^{1}$	123.2	25	42	34.1	toL	z	620	88	
Mining	24.2	5	12.9	53		0.1	1.4	70-0	
Petroleum	208.1	42.6	159.0	76.4	398.5	30.8	403.7	0.101	
Electricity	133.4	27.3	101. 4	76	195.0	15.0	175.4	0.00	
TOTAL	488.9	100.0	315.3	65	1 295.0	100.0	1 200.5	92.6	
·	Thir	d Five Yea 1971-1975	Third Five Year Plan 1971-1975		H	Fourth F. 197	Fourth Five Year Plan 1976-1980	lan	İ
	Final		Actual	Rate of	Planked		Final	lo tead ?	Rate of
	approp- riations	% of total	expen- di tures	expen- di ture	errpen di ture	A of total	approp- Lia <u>tion</u> s		expen- di ture
Indus try 1/	31116	50-6	1 736	55.7	10 719	60.0	10-11 5 344		R3
Mining	180	2•9	122	67.8	402	2•2	166	99	40
Petroleun	1,69	27.4	1 503	88.7	1 919	10.7	1 028	130	11
Electricity menus	- 1.182 -	19.1	784	66.3	4 879	21.2	1 400	1 249	89.2
TRICE	6,172	100.0	4 145	67.1	17 919	100.0	7 938	6 479	81.6
Source:	Compiled from State Planning Commission Annual Follow Up Reports, Ibid.	State Pla	laming Co	unission An	nual Follow	Up Repor	ts, <u>Ibid</u> .,		

1/ Includes oil refining.

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	Actual Investment (SL million)
Manufacturing industry	6 832
Petroleum	2 796
Electricity	2 310
Nining	202
	12 140

The total investment in these four sub-sectors over the Four Plans amounted

The figures show that over twice as much was invested in manufacturing industry as in the three other sub-sectors, although with a disproportionately much lower yield as will be seen later. In terms of implementation performance, it appears that the rates of financial spending have been highest in the petroleum and electricity sub-sectors. The rate of expenditure in manufacturing industry was reasonably high in the Second Plan and in the first two years of the Fourth.

Problems Facing the Implementation of Development Plans

The problems which have obstructed the implementation of the Five Year Development Plans in Syria may be classified into seven major groups. They are:

- (1) Bureaucratic routine in government decision making processes.
- (2) Inadequacy of feasibility studies for the development projects.
- (3) The shortage of competent manpower in public enterprises and in government agencies.
- (4) Financial problems.
- (5) Delays in receiving machinery and equipment at project sites.
- (6) Shortages of some essential construction materials.
- (7) Reluctance of local construction contractors to bid for the civil works of the public sector projects.

to SL 12,140 million distributed as follows:

A detailed discussion of each group of problems is in order.

It is generally known that government's laws, regulations and procedures are rigid and some times out-dated as they stress form at the expense of substance. In a sense, they are incompatible with the requirements of fast and efficient decision making. The administrative and financial systmes and procedures which govern the functioning of the public sector enterprises in Syria are no exception. In fact they have been one of the major obstacles in the face of the efficient implementation of the Development Plans. Long delays in decision making have been common and frequent, thus leading to a slowdown in the execution of development projects and to a significant cost over-runs in those projects. The delays in decision making manifest themselves in a number of ways, such as:

(1) Delays in issuing the Annual Development Budget, which implies that all expenditures on the development projects have to wait until the budget is out.

(2) Delays in contracting for development projects and their requirements which arise from long and complicated procedures of the Competitive Bidding and Contracts Law.

(3) Delays in the evaluation of bid offers and the selection of the best offer.

(4) Delays in approving the contracts by higher authorities after they are concluded.

(5) Delays in issuing import permits for development projects by the Ministry of Economy and International Trade.

(6) Delays arising from the procedures involved in the purchase and acquisition of title to land sites for the projects.

The second group of problems relates to the inadequacy of the initial economic, technical, engineering design and other studies for some of the development projects. The inadequacy of technical feasibility studies and poor technical specifications have generally caused delays in contracting for

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a project or necessitated further bidding and contract negotiating during implementation in order to cover aspects of the project that were inappropriately considered before. In either case interruptions in the time table of execution for some projects have resulted. For other projects, engineering design studies were either substandard or delivered late which resulted in delaying the civil works and hence the entire execution of the projects.

The third set of problems arose from the serious shortage of qualified manpower of all types in government agencies and public sector enterprises. This includes managerial talent at all levels, technicians, and skilled labor shortages. The inadequate pay-scales and lack of incentive schemes in Government have been a major contributing factor to this shortage. The result has been a reduced effectiveness in the administration of the development programmes.

The fourth group of problems has to do with the shortage of financing, both in foreign and local currencies. The financing problem has taken many forms, the more outstanding of which have been:

(1) Delays by the Commercial Bank of Syria to open letters of credit to suppliers abroad, at times, due to inavailability of foreign exchange.

(2) inability of the public sector enterprises embarking on development projects to take full advantage of the pledged international loans and credit facilities, because of the failure of the management of such enterprises to provide the foreign financing parties with the required studies and other information about the projects.

(3) Weak liquidity position of many of the public sector enterprises which hindered their ability to keep up with large cash expenditures on the new projects. High debt ratios in the capital structure of these enterprises coupled with the large size of the new projects only helped make the liquidity problem of such enterprises get worse. The fifth group of problems manifested itself in delays in receiving the shipments of machinery and equipment at the project site, consequently delaying the completion of many projects. A number of factors have contributed to this problem in varying degrees. Some of these factors are:

(1) Failure of the foreign supplier to meet delivery dates.

(2) Congestion of segment which prevented the prompt unloading of cargo from the ships.

(3) Inability to clear shipments from the seaports fast enough due to the red tape involved. Some enterprises were just plain careless by not attempting to clear their shipments on time.

(4) Shortages in the means of roed transportation (i.e. trucks) to carry cargo to its ultimate destination at the prevailing controlled shipping tariff rate structurs.

The sixth problem contributing to the slow pace of implementation of the development plans has been the shortages of some basic construction materials such as cement, steel, wood, etc. The shortages of such materials had the effects of putting off most construction works behind schedule.

Finally, there is the problem of the insufficiency of construction contracting capabilities in both the public and the private sectors in comparison with the size and number of the development projects to be constructed. The private sector contractors have been reluctant to bid for civil morks of the public sector projects either because they did not have the technical, organisational and financial capabilities to handle such big projects; or because they were discouraged by the terms and conditions stipulated by Government for payments on works performed. The public sector construction contracting capabilities, on-the other hand, had been limited in the earlier development plans. However, as need grew bigger, a number of public sector construction companies were established to handle the large development projects. In fact, 14 such companies have been established since 1974. They specialise in all branches of the building and construction industry including the construction of roads, bridges, relivays, housing, irrigation, and public utilities infrastructure.

j/ Syrian Planning Minister Reviews the New Development Plan and offers guarantees for prospective investors, <u>Al-Drtissed Wel-Annel Areb Business Magazine</u>, vol. I, no. 2 (May 1979), p. 26.

CHAPTER II

PERFORMANCE OF THE ECONOMY AND THE MANUFACTURING INDUSTRY

Introduction

This chapter is an attempt to analyse the performance of the economy over the period 1960-1977. The analysis will be conducted in terms of: gross domestic product; gross fixed capital formation; employment; price levels; exports and imports. The performance of these variables in the manufacturing sector will also, wherever possible, be considered.

The Syrian economy, as will be seen, has undergone a significant development since 1960. During this period three Five-Year Economic and Social Development plans were implemented, with the Fourth (ending in 1960) well underway. The growth and the structural changes that took place in the economy have very much been influenced by these plans. Therefore, in the following, the data and the periods under discussion correspond to those covered by the successive plans.

Boonomic frends and Structure

The GDP of Syria, measured at constant prices, increased from SL 2,962 millions to SL 10,360 millions during the period 1960-1977, representing an average annual rate of growth of 7.6 per cent. The growth rates increased over the successive periods of the plan see Table II.1 In the fifties and before the development plans were introduced, the economy was growing at an average annual rate of 2.6 per cent only.

During the sixties, GDP increased from SL 2,962 million in 1960 to SL 5,616 million in 1970: an average annual real rate of growth of 6.6 per cent. And a higher rate was achieved in the seventies when GDP rose to SL 10,360 million in 1977, representing an average annual rate of real growth of 9.1 per cent. Table II.1 also shows the growth rates recorded by major economic sectors in different periods. During the 1960-1977 period, the sectors recording higher growth rate than GDP were respectively government, services, mining and manufacturing, building and construction and finance and insurance in that order.

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Sec tors	1953- 1960	1960- 1965	1 965- 19 7 0	1970- 1975	1975- 1977	1960- 1970	1970- 1977	1960- 1977
Agriculture, forestry								
and fisheries	-5.57	16.21	2. 39	7.25	2.82	6.53	5.96	6.30
Mining & manufacturing 2/	8.07	5.49	8.89	11.81	9.62	7.17	11.18	8.81
Building & construction	6.42	-0.68	6.65	11.11	26.91	2.92	15.41	7.89
Transport & communication	-6.35	5.27	9.67	12.30	-15.44	7.44	4.27	6,13
Wholesale & retail trade	16.66	3.44	5.32	11.72	4.92	4.38	9.73	6.55
Pinance & insurance	7.42	10.02	1.98	9.93	11.86	5.92	10.48	7.78
Ownership of dwelling	2.57	2.79	2.76	3.65	6.79	2.78	4.54	3.50
Government	15.07	16.62	9.97	15.68	3.94	13.25	12.20	12.81
Services	4.52	9.80	6.09	9.53	14.32	7.93		9.13
	2:63	8.17	4.72	10.83	3.75		9.0	7-49

Table II.1 Average Annual Compound Rates of Growth of GDP and its Components at Constant 1963 Prices in Different Periods (per cent)

Bources Central Bureau of Statistics, Statistical Abstract of Syria, 1977, 78. Compound rates of growth 2/

Including electricity, gas and water.

In terms of the contribution of major economic sectors to the growth of GDP in the same period, manufacturing and mining came first. Other main sectors by order of importance were government, wholesale and retail, and agriculture. The contribution of the remaining sectors and in different periods are summarized under:

	1960-70	<u> 1970–77</u>	<u> 1960–77</u>
		coent	
Agricul ture	20.4	12.2	15.1
Mining and Manufacturing	20.9	25.7	24.0
Bailding and Construction	1.5	5.8	4.2
Transport and Commission	12.0	4.5	7.2
Wholesale and Retail Trade	13.1	19.3	17.1
Finance and Insurance	2.0	2.6	2.3
Oumership of Duelling	3.1	2.7	2.8
Government	18.9	18.7	18.6
Bervices		9.0	0.7
	100.0	100.0	100.0

Contribution of Major Boonomic Sectors to GDP Growth, 1960-1977 (Constant 1963 Prices)

Table II.2, shows changes in the relative contribution of each sector in order to establish the major structural changes that took place in the economy during the period under consideration.

The first thing to be noticed is the decline in the share of agricultural sector. As table II-2 shows, until recently, the Byrian economy was dominated by the agricultural sector. Its share in GDP amounted to 36.7 per cent in 1953. But from 1960 commarks this share continued to decline reaching as low as 16.7 per cent in 1977. The net gainers were mining a: d industry. Their combined share increased from 13 per cent in 1953 to 18.7 per cent in 1960, and to 22.5 per cent in 1977. These trends, prevailed even when an average percentage shares are calculated so as to isolate the effects of the bed agricultural crop years.

Gross Domestic Product at Market Prices and its Sectoral Distribution in Selected Years.

Salle II-2

		Gr	Gross Dones	Donastic Products	te		4	ercente	Jo N	Percentary of total		
Bectors	1953	1960	1965	1970	1975	1977	1953	1953 1960	1965	1965 1970	1975	1977
prioui ture, forestry nd fisheries	. 8 0 6 08	90 9 48. 612.1 1 2	1 297.1	1 152.7	1 635.5	1 729.0	7.%	36.7 21.0	29.1	29.1 20.5	17.4 16.7	16.7
L'ining à manufacturing M	322.3	554.7	724.6	1.0011	1 938.4	2 329.3	13.1	10.7	10.3	10.3 19.7	20.6	20.6 22.5
iuliding à construction	2110	L O.PUL D.TT	115.0	158.7	268.7	432.8	- Tree-	3.1 4.0	2.6 2.8	2.8	2.8 4.2	4.2
Commodities sectors	(1 304.7)(1 285.9) (21	1 205.9)	(2136.7	(2 420.5)	(3 842.6)	(1.164 4))	(52.8)	(52.8)(43.4)	(48.0)(43.1)	(43.1)	(40.9)(43.4)	(43.4)
Leansport à commication	468. 0	304.0	393.0	623.4	1 113.3	835.4	19.0 10.3	10.3	8.8	1.11	9.1t	8.1
Violessie & retail trade	221.0	650.0	770.0	8.726	1 736.5	1 911.6	8.9	8.9 22.0	17.3	17.7	10.5	18.4
Finance and insurance	6.04	61.5	106.8	120.0	1,72.7	241.1	1.7	2.3	2.4	2.1	2.0	2.3
C nership of dwelling	221.0	264.0	303.0	347.2	415.4	473.7	8.9	8.9	6.8	6.2	4.4	4.6
Guyerracat	76.0	203.0	438.0	704.3	1 458.9	1 576.3	3.1	6.8	9.8	12.5	15.5	15.2
8 JIVLOOR	138.0	186.0	300.0	403.2	635.6	630.7	5.6	6.3	6.7	7.2	6.7	8.0
Non-composity sectors	(1 164.9)	(1 676.5)	(2312.8)	(1 164.9) (1 676.5)(2312.8) (3 195.9)	(5 552.4)	(5 868.8)	(47 2)	(47 2)(56.6)(52.0)		(6.9)	(59.1)(56.6)	(56.6
Total	2 469.6 2 962.3 4 449.5	2 962.3	4 449.5	5 616.4	9 395.0	10 359	100.0	100.0	100.0 100.0 100.0 100.0	100.0	100.0	100.0

Source: Central Desseu of Statistics, Statistical Abstracts of Syria, 1977, 1978.

Including electricity, gas and water. 2

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shere in GDP	<u>1953</u>	1960-65	<u>1966-70</u>	<u>1971-75</u>	<u> 1976–77</u>
Agriculture	36.7	28.2	24.4	18.7	17.6
Mining & industry	13.1	16.4	17.7	20.3	21.7

These percentages clearly show that the share of GDP arising from agriculture has followed a trend of systematic decline, while that of the mining and industry sector has followed a systematic increase.

The second noticeable change in the structural composition of the Syrium economy has been the large and continuous increase in the share of the public administration sector. The share of this sector has increased from a meagre 3 per cent in 1953 to 15.2 per cent in 1977. This is a reflection of the increasing role government played in the economy. The share of dwelling hus declined over the period under consideration from 8.9% in 1953 to 4.6% in 1977, while the share of services recorded a modest increase.

The third observation relates to the relative stability in the shares of building and construction, transport and communications, trade and finance.

Classifying the economy into commodity and non-commodity producing sectors shows that since 1960, the share of the latter in total GDP has been relatively stable. Finally, the annual growth rates of the GDP, as can be seen below have been quite erratic. This can be explained by a multiplicity of factors including the degree of the implementation of the development plans during the period, as well as the incident of two wars.

			Cur	nent Pric	RE 1961	- 1977	-		
<u>1961</u> 8.7	<u>1962</u> 23.7	<u>1963</u> -0.06	<u>1964</u> 9.3	<u>1965</u> 2.3		<u>1967</u> 5.3	, <u>1760</u> 4.4	<u>1969</u> 15.5	
<u>1971</u> 10.1	<u>1972</u> 9.7	<u>1973</u> 2.2	<u>1974</u> 19.0	<u>1975</u> 13.8	<u>1976</u> 7.5	<u>1977</u> 2.6			

Attenal Connects Badana in

For a better understanding of the performance of the Syrian economy, further analysis of the growth rates of GDP and its sectoral components during each of the Five Year Flan periods will be made. During 1961-1965 the economy grew at an average annual rate of 8.5 per cent. This was higher than not only the rate of growth in the fifties, but also the planned rate of growth of 7 per cent. The sectors with highest growth rates in this period were the government and the agriculture. They grew at an average annual rate of 16.6 and 16.2 per cent respectively. The growth rate of the industry and mining sector was only 5.5 per cent against a planned growth rate of about 9 per cent and a rate of 8 pur cent in the fifties. It seems < that the nationalisation of industry in 1964 and 1965, and the organisational problems inced by the public sector agencies in managing the nationalized firms, had an initial adverse effect on industrial output. The housing construction and the trade sectors, which are largely dominated by the private sector, have experienced a serious decline in their growth rate in this period. The former grew at a negative rate (compared to a planned rate of 15.8 per cent) and the latter grew at an average rate of 3.4 per cent annually; compared to 16.7 per cent in the fifties. This poor performance may also be attributed to the high economic uncertainty following the mationalisations which made enterprensurs refrain from investing.

The period of 1966-1970 was a time of high economic and political uncertainty. The Government continued to tighten its control over the economy in persuit of the socialist approach to economic development. Furthermore, a major breakout of war with Israel took place in June 1967 in which Syria was involved. The war had accentuated the economic and political uncertainties in the country and the economy suffered a further set-back. The growth of GDP declined to an average annual rate of 4.8 per cent, compared to the planned rate of 7.2 per cent in the Second Five Year Plan. The government and the transportation and communications sectors, however, remained among the high growing sectors. Government sector grew at an average annual rate of 10 per cent, which was twice the planned rate. Transportation and communications sector grew at the rate of 9.7 per cent annually. Industry and mining performed better than planned by growing at an average annual rate of 9 per cent, compared to the target rate of 5.5 per cent. Agricultural production fluctuated widely in this period. The GDP arising from agriculture grow at a negative annual rate of 2.3 per cent, compared to a planned growth rate of p.0 per cent. Building construction and trade activities picked up slowly and increased at an average annual rate of 3.1 and 5.3 per cent respectively.

The period 1971-1975 is perhaps one of the highest growth period in the history of the Syrian economy. The period includes two of the most prosperous years the country has ever had, namely the years 1974 and 1975, when the CDP grew at 19 and 13.8 per cent, respectively. This period is characterised by two major political events. Pirst, following the "corrective movement" within the Ba'ath ruling party, the Government pursued a moderate economic policy. More liberalisation was introduced and trade restrictions was eased. The second event was the 1973 war with Israel. The war inflicted serious physical damage to the economy. For example, the Home petroleum refinery, and a number of power generating stations, oil storage facilities, and see ports, ware damaged. But the war was followed by a feverish economic activity, whether in reconstructing the war damages or accelerating the execution of the development projects of the Third Five Year Plan. A factor that played an important role in bolstering these activities was the inflow of subsidies and grants from the oil-rich Arab countries. Given all these favourable conditions, the economy grew at an unprecendented rate of 10 per cent, compared to a planned rate of 8.2 per cent. The highest growth sector of the economy in this period was the Government sector which grew at an average annual rate of 15.7 per cent, compared to a planned rate of 8 per cent. The transportation and communications, trade, and building and construction sectors of the economy also grew at higher rates than the economy. Their average annual rates of growth were 12.3, 11.7, and 11.1 per cent respectively. Although industry and mining roctor was among the highest growth sectors, an average annual rate of 11.8 per cent, their growth rate nevertheless was below the planned rate of 15.8 per cent. The agriculture sector grew at an average rate of 7.3 per cent, exceeding the planned growth rate of 5.1 per cent.

Finally, in the two year period 1976-1977 (first two years of the Fourth Five Year Plan), the rate of growth of the economy dropped to 5 per cent annually on the average, this was half the growth recorded in the previous period. This slow-down in the economy's growth is due to the recession which has set in at the beginning of 1977, and which has continued to the present time (1979). To elaborate, whe economy grew at the rate of 7.5 per cent in 1976, which was well below the 13.8 per cent rate of growth achieved in 1975 and was also below the 12 per cent target annual rate set in the plan. The 1977 growth rate declined sharply to only 2.6 per cent. The seriousness of 1977 recession can be seen better by an examination of the growth rates of GDP and its sectoral components for the four year period 1974-1977, presented below. The figures are self-explanatory, however, one may note two things. First, the remarkable boom in housing construction which took place in 1976, when the sector grew in one year by 51.6 per cent. Second, the sharp decline ind the growth rates of all economic sectors in 1977, except for mining and industry and services, compared to their growth in 1975 and 1976.

Sectors	1974	1975	1976	1977
Agriculture	38.7	6.5	14.7	- 7.9
Mining and industry	27.1	8.1	9.7	9.6
Building and construction	19.6	12.2	51.6	6.2
Transportation and communications	-7.4	26.6	-26.5	2.1
Trade	20.0	31.5	8.1	1.8
Finance	16.0	3.4	24.0	0.9
Ownership of dwellings	3.4	5.4	6.7	6.8
Public administration	19.3	10.5	8.0	0.07
Services	12.7	8.4	15.2	13.4
GDP (TOTAL)	19.0	13.8	7.4	8.6

TABLE II.3 - ANNUAL INSAL GROWTH RATES OF GDP AND ITS SECTORAL COMPONENTS DURING THE YEARS 1974-1977 (Per cent)

Source: Computed from GDP data at constant 1963 prices published in the <u>Statistical Abstract of Syria</u>, 1978, pp. 738-739.

Gross Fixed Capital Formation

The growth performance of the Syrian economy is closely linked to the implementation performance of the Five Year Economic and Social Development Flans. One way of measuring the performance of the plans is the growth of capital formation. Data for gross fixed capital formation at constant 1963 prices, its sectoral distribution in selected years, and its rates of growth over a number of years are presented in Table II-4.

Sec tors	Gross	Gross fired capital f	pital fo	ormetion	d		Georget	Geometric mean rates of growth (Per Cent)	rates of	growth	(Per Cer	at)		
	1953	1963 1965	1965	1970	1970 1975 1977	1977	1954-	1964- 1965	1966- 1970	1971- 1975	1976- 1976-	1 964- 1970	1971- 1977	1964- 1977
Agriculture, forestry and fisheries	п.в.	96	67	210	266	185	n.a.	-16.46	13.58	4.84	-16.61	4.03	-1.60	1.08
Mining & menufacturing 🚽	п.а.	109	106	152	945 1	945 1,306	п.е.	- 1.36	7.48	44.12	17.56	4.87	35.97	19.41
Transport & communications	п.е.	105	95	135	240	392	п. в.	- 4.88	7.28	12.20	27.80	3.65	16.45	9.87
Housing	Б.В.	131	104	202	250	358	n.e.	-10.90	14.20	4.36	19.61	6.38	8.52	7.45
Other sectors	п.е.	84	85	8	304 -	410	п.е.	0.59	0.92	27.85	16.13	0.83	24.38	11.99
Total GWCF as Per Cant of CTD	Ъ.в.	525	457 10 z	786.2	788 2 005 2 651		п.а.	-6.70	п.51	20.53	14.98	5.97	18.92	12.26
	•	2017	C•07	2 0.4T	0°CZ C.TZ 0.4T	0.02		1	1	ł	1	ł	ı	38 1

Source: Central Bureeu of Statistics, Statistical Abstract of Strie, 1971, 1977-78.

1/ Including electricity, gas and water.

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Table II-4

An examination of the data presented in Table II.4 shows the level, the rate of growth, and the structure of gross fixed capital formation. In the second half of the seventies, the annual level of capital formation has risen appreciably above its level in the early sixties. Gross fixed capital formation in 1977 for example reached SL 2,651 million, in 1963 it was only SL 525 million. In terms of rate of growth of gross fixed capital formation, the compounded average annual rate of 6 per cent in the sixties, jumped to 19 per cent annually in the 1971-1977 period. In this latter period, capital formation in the mining and industry sector grow at a striking average annual rate of 36 per cent, compared to only 5 per cent annually in the sixties. The high rate of capital accumulation has been reflected in the increasing share of gross fixed capital formation in GDP, rising to 26 per cent in 1977, or about double the percentage in 1963.

As for the distribution of gross fixed capital formation among the various economic sectors, an average of the annual shares of each sector over a specified number of periods has been calculated. The results are presented in Table II-5.

Ronomic Sector		963-65		66 70		071-75	197	6-77
	SL.	- %	SL.	%	SL.	\$	SL.	- 5
Agriculture	263	16.8	554	13.8	2 121	15.8	1 263	6.9
Mining & industry	339	21.7					8 691	-
Transportation & communications	319	20.4					2 772	
Housing	378	24.2					2 768	-
Other sectors	264	16.9					2 766	
Total	L 563	100.0	4 009	100.4	1 2.411	162 Y	18 230	100

Table II-5 The Sectoral Structure of Gross Fixed Capital

Source: The Syrian Arab Republic. Statistical Abstract 1971, 1978

Three main points can be made here. First, there has been a large and continual increase in capital formation in mining and industry. For while on average this sector accounted for 21.7 per cent of the total annual gross fixed capital formation during 1963-1965, its share increased steadily in the succeeding years until it reached the highest of all sectors and by far exceeded the share envisaged in the plans. Second, in contrast, the share of agriculture in total gross fixed capital formation was much lower than it was envisaged in the plans. The annual share of the agriculture sector in total gross fixed capital formation reached the peak of 16 per cent This coincided with the acceleration of works and in the 1971-75 period. completion of construction at the Euphratus Dam. However, during 1976-1977 agriculture's share in capital formation dropped appreciably to 7.1 per cent. Third, capital formation in housing construction exhibited a trend of systematic decline. Its average annual share in total capital formation declined from 24.2 per cent during 1963-1965 to 15.3 per cent during 1975-1977.

Although gross fixed capital formation is not comparable with investment allocations in the plans, which are given in net terms, and notwithstanding the pitfalls of analysis at current prices, i. may still give rough indication of the plans performance. During the period 1963-1977, total fixed capital formation has consistently been below the planned total investment programes, the exception was the third give year plan 1971-75. In the latter, total gross fixed capital formation exceeded the total invest ent programe by about 70 per cent. By contrast fixed capital formation in agriculture has been consistently below the planned investment programme and by a large margin while the reverse was true for capital formation in mining and manufacturing.

Regarding the structure of gross fixed capital by various types of construction and equipment, table II-6 shows that about one third of the

Type of capital expenditure	Average of the t	of the annual ype of expend	. percentage Liture over f	shares the period
	1963-65	1966-70	1971-75	1976-77
Housing	24.2	24.0	19.1	18.5
Industrial and commercial building	12.5	7.8	7.7	7.3
Constructions	22.8	25.6	29.7	27.8
Transport equipment	9.7	10.8	12.6	11.7
Machinery and equipment	30.7	31.8	30.9	38.7

Table II-6 The Structure of Gross Fixed Capital Formation at Current Prices by Type of Expenditure

Source: The Syrian Arab Republic, Statistical Abstracts, 1971 & 1976.

gross fixed capital formation has consistently been in machinery and equipment. Furthermore, the share of construction activity (excluding housing and nonhousing, increased uninterruptedly. It has, on average, risen from 22.9 per cent during 1963-1965 period, to 27.8 per cent in the 1976-77 period.

Finally, as can be seen in table II-7 the constrahip composition of the arcss capital formation has changed markedly since the early sixties. The trend has expectedly been towarl a rising contribution by the public sector and a decline in the share of the private sector. The private sector's contribution to capital formation accounted for 68 per cent in 1963 and declined continuously to reach 30 per cent in 1970. Since then the trend however has

Table II-7	Gross Fixed Capital Formation by Type of Ownership in Selected Years (Values at constant 1963 prices,
	ST. Willion

والمتعادية بتراف فالمتحدث والمتحدث والمتحدث والمتحدث والمحاد والمحاد والمحاد والمحاد والمحاد والمحاد		100			
Type of ownership	1963	1965	1970	1975	1977
Public sector	170	241	551	1 306	1 889
Private sector	355	216	237	699	762

Source: The Syrian Arab Republic, Statistical Abstracts, 1966, 1971, 1978.

been reversed and the share began to increase and reached 40.3 per cent in 1977.

Labour Force and Raployment

The labour force in Syria is estimated at about one fourth of the population. Table II-8 presents changes in the structure and rate of growth of the labour force for the years 1960, 1970 and 1975.

In terms of etructure, it appears that close to one half of the labour force is engaged in agriculture and the sectors' share has increased. The remaining being distributed among all the other economic sectors. Services come second to agriculture. It engaged 13 per cent of the labour force. Manufacturing industry and trade rank third and fourth by engaging about 12 and 9 per cent of the total labour force respectively.

This structure of the labour force does not seen to have changed significantly during 1960-1975. This is true especially with respect to the main employment sectors, namely agriculture, services, and manufacturing. The proportion of the labour force engaged in trade and in building and construction did, however, show a light rise. The percentage of the labour force engaged in trade increased from 7.8 per cent in 1960 to 10.3 per cent in 1975, while that of building and construction increased from 5.1 to 7.1 per cent in the same years.

Mainly because of the increasing share of agriculture, the commodity producing sectors has recorded an increase from 62 per cent in 1960 to 69 per cent in 1975 while the services sector as a whole, recorded a moderate decline.

	Years and Periods	d Period	(Thousands of workers)	Ma of w	rkere)				
Bonomie Sector		Labour	Pores				Periodio g	Puriodio growth (Per cent)	
	1960 B	\$ of total	1970 4	\$ of total	1975 b	% of total	1960-70	1971-75	1960-75
Agricul ture	519	45.5	752	6714	916	49.8	3.8	4.0	3.9
Mining and quarrying	4	0.3	6	0.6	21	0.7	8.4	5.9	7-6
Manufacturing Industry	125	0.11	190	12.1	211	11.5	4•3	2.1	3.6
Building & construction	ድ	5.1	115	7.3	130	1.1	7.1	2.5	5.5
Bub-total Commodity Sector		(6.19)		(61.9)		(1.69)		N	
Electricity, gas a vater	7	0.6	8	0.5	10	0.5	1.3	4.6	2.4
Trade	8	7.8	145	9.2	189	10.3	2•0	5.4	5.1
Transport & commication	39	3.4	3	4.1	75	4.1	5.0	3.2	4.5
Finance	I	I	10	0.6	10	0.5	ı	0.0	
Services	144	12.6	214	13.6	239	13.0	4.0	2.2	3.4
Unidentified	67	5.9	\$	0.3	ı	ı	. 1	1	
Sub-total non-commodity sector		(٤.0٤)	Ŭ	(2e.3)		(28.4)			
Secting employment for the first time	8	7.8	59	3.8	45	2.5	-33.71	-23.73	-49.44
Total labour force	1 141	100.0	1 571 1	100.0	1 839	100.0	3.2	3.2	3.2
Population 4	4 565		6 3 05		7 354		3.3	3.1	3.2
labour force ≸ of population	25		33		৯				
Sources: 1) Statist	Statistical Abstract of 1	mot of	196 J	2. 80.	2-331 197	1962. m. 12-33: 1978. m. 130-131.	219.		

Labour Forces Structure and Growth by Booncario Sectors in Selected

Table II-8

2) Statistical Miletin of the Rinletor of Social Affairs and Jabour, 1976, p.26. A Comus years b Betimates

Imployment in the Syrian economy, has generally increased at a faster rate than that of the labour force, thus leading to a reduction in the unemployment rate as indicated in Table II-9. Total employment increased from 1.02 million workers in 1960 to 1.47 million workers in 1970, or by about

Table II-9 Lab	our Force, Ruployne Rate in Selected Ye	nt, Unemplo ars. (Thou	wed, and U meands of W	nenploymen orlers)	b
	1960	1965	1970	1975	1977
Labour	1 141	1 424	1 571	1 839	1 995
Imployment	1 021	1 321	1 470	1 750	1 894
Unemployed	120	103	100	88	100
Unemployment Rate (%)	10.5	7.2	6.4	4.8	5.0

Source: Statistical Bulletin of the Ministry of Social Affairs and Labour.

44 per cent. In the same period, laboar force increased by 37.7 per cent, therefore, reducing the unemployment rate from 10.5 per cent in 1960 to 6.4 per cent in 1970. During the period 1970-1977, amployment increased by 29 per cent compared to an increase in labour force of 27 per cent. This has led to a further reduction in the unemployment rate to 5 per cent in 1977.

Changes in Price Level

There are three price indices for Syria: one for wholesale prices and two for retail prices in the cities of Demascus and Aleppo. The base year for these indices is 1962, however, new retail price indices using 1970 as a base year have been constructed as of 1977. Table II-10 presents data: on ohanges in price levels in Syria as indicated by the wholesale and the Damagons retail price indices in selected years.

Table (10). Wholewale and Retail Price Indices and their Average Annual Bates of Growthin Salacted Paniza	
Tible (10). itholosale and Re A Lanna Amura	

		8 F	Price indiess: 1962 = 100	1962 =	16	Awrag		L rates	20	wth (Per	Average amual rates of growth (Par Cant)
	1963	1965	1 61 0	1975	1915 1911	1.58		1976-	LES -	1970	1910-1915-1963-1910- 1915 1911 1910 1911
Wholesale price index	8	100	123	5 3	256	0.5	4.2	4.2 11.2	10.7	3.2	0.11
Damagous retail príoc index	102	10	521	80	88	1.0	3.4	11.2 13.2	13.2	2.7	11-8

Source! Statistical Abstract of Syria.

It can be seen from Table II-10 that the wholesale price index has increased at an average annual rate of 3.2 per cent during the sixties, and at an expectedly much higher rate of 11 per cent in the 1970-1977 period. The same is also true with respect to the retail price index which has recorded an average annual rate of increase of 2.7 and 11.8 per cent respectively, in the same two periods. In fact, the sharp increases in the price level began in 1973. For in the 1965-70 period, wholesale and retail prices increased only by an average annual rate of 4.2 and 3.4 per cent respectively. The average annual rate of increase in the two price indices jumped to 11.2 per cent in the 1970-1975 period. The retail price index of Damascus showed a further increase by rising to an average annual rate of 13.2 per cent in the 1975-77 period. However, the highest inflationary period was that of 1975-77, during which the Damascus retail price index increased at an average annual rate of 14.5 per cent.

Two factors may have been responsible for the high inflation rate in the seventies. The first, is the high inflation rates in the industrial world, which was aggrevated further by the fourfold increase of oil prices in 1973, and was reflected in a higher cost of imports for Syria. The second, is the acceleration of investment spending on development projects following the 1973 war. Actual development expenditure in the Third Pive Year Plan (1971-1975) amounted to SL 8,587 million, compared to only SL 2,607 million in the Second Pive Year Plan (1966-1970). Furthermore, in just the first two years (1976-1977) of the Fourth Pive Year Plan, SL 12,134 million were actually spent on development projects. But this high level of investment spending in the 1970-1977 period was not accompanied by a corresponding increase in the level of production; because most of the development projects were still under construction, a situation which contributed to the inflationary spiral in the ecumtry.

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Foreign Trade

Syria is essentially a net importer country. During the period under review, the gap between exports and imports has been rapidly widening. This can be seen clearly from Table II-11 which presents data on Syria's foreign trade and its growth rates.

Table II-11	Forei (Values i	an Trad	e in Se Llion e	lected '	lears at Prio				
			Value	e in Cu	rrent 1	Prices (S	L Million))	
	1	953	1960	1965		1970	1975	19	11
Exports		376	405	641		775	3 441	4 19	 19
Inports		462	858	ato		1 366	6 173	10 49	7
Trade balance	-	86	-453	-1 69		-591	-2 732	-6 29	8
		Ce	capound	led aver		mal rate	ivors to a	h	
	1953- 1960	1960- 1965		. 965- 970	1970- 1975	1975- 1977	1960- 1070	1970 1977	1960 1977
Reports	1.1	9.6		3.9	19.1	10.4	6.7	16.6	10.7
Importe	9.3	-1,1	1	1.0	35.2	30.4	4.8	33.8	15.9
Trade balance	26.8	-18.0	2	6.4	35.8	51.8	2.7		16.8

Source: Statistical Abstract of Syria.

It can be seen the value of imports has increased from SL 858 million in 1960 to SL 10,497 million in 1977, representing an imprease of 12.2 times, or an average armual rate of growth of 16 per cent. The value of exports, on the other hand has increased from SL 405 million to SL 4,199 million in the same period, or by 10.4 times which makes for an average annual rate of growth of

10.7 per cent. This continuously widening imbalance has given rise to a trade deficit which has increased from SL 453 million in 1960 to SL 6,298 in 1977, representing an increase of 14 times, or an average annual rate of growth of 16.8 per cent.

When the annual rates of growth of imports and exports are examined by sub-periods which correspond to the Five Year Flans, it can be observed that the rates of growth of imports have increased, uninterruptedly while those of exports fluctuated widely. More specifically, in the period 1961-1965, imports grew at an average annual rate of -1.1 per cent, compared to 9.6 per cent for exports. In 1966-1970 period, the annual rate of growth of imports increased to 11 per cent, while that of exports dropped to 3.9 per cent. In the 1970-75 period, the annual growth rate of imports jumped to 35.2 per cent, and that of exports increased to 19 per cent. During the two year period 1976-1977, while imports increased at a slightly smaller rate of 30.4 per cent, the absolute value involved was much greater. However, the growth rate of exports dropped signific with to 10.4 per cent.

The wide fluctuation in the rate of growth of exports night be explained by two factors. First, by fluctuation in agricultural output about one fourth of Syria's exports consists of semi processed agricultural products, primarily cotton and grains. If The quantities of these exportable cosmodities fluctuate from one year to another depending on harvest, which in turn depends on fluctuating rain fall and weather conditions. Second, the prices of agricultural produces are determined to a large extent in the world markets and they have witnessed a general decline in the prices of primary goods.

The high rates of growth in imports, on the other band, are closely related to the large expansion in investment expenditure projects. Thus, imports were

^{1/} Reports of ginned cotton amounted to SL. 848.6 million, or 20.2 per cent of total exports in 1977. If the exports of grains (SL. 186.4 million) and tobacco (SL. 18.4 million) are added to cotton, the three commodity exports would constitute 24.8 per cent total exports. It should be noted in this regard that the major export commodity of Syria since 1973 has been crude cil. The value of crude cil exports in 1977 amounted to SL. 2,436 million, or 58 per cent of the country's exports. Thus, it can be seen that just two commodities, cil and cotton, have accounted for 78 per cent of Syria's exports in 1977.

growing at an average annual rate of 33.8 per cent during the 1971-77 which was a heavy development spending period, whereas during 1960-1970 the growth of imports amounted to 4.8 per cent annually. (Table II-11).

The fluctuation in the export growth coupled with steady and high increase in imports resulted in soute trade deficit. The trade deficit has increased from SL 453 million in 1960 to SL 591 million in 1970, or by 30 per cent. In 1977 the deficit jumped to SL 6,298 million, or by about 11 times its level in 1970. In fact, during the 1971-77 period, the average annual rate of increase in the trade deficit reached 40 per cent, compared to only 2.7 per cent summally in the 1961-70 period.

CHAPTER III

INDUSTRIAL DEVELOPMENT POLICIES AND THE INSTITUTIONAL FRAMEWORK

Introduction

The purpose of this chapter is to discuss the industrial development policies and other measures used to promote investment in manufacturing industry. Since the public sector has become the leading sector in industry, its organisational structure as well as the reorganisation of this sector will be also reviewed.

I. Industrial Development Policies and Measures to Promote Investment in Menufacturing Industry.

Over the years the Syrian suthorities have formulated and implemented a number of policy instruments aiming at promoting investment in manufacturing industry. These may be classified into five groups. (1) Fiscal incentives; (2) Instrument of protection, (3) Financial instruments, (4) Promotion of industrial exports. (5) Policies designed to encourage the inflow of capital from abroad for direct investment. (6) Policies to promote industrial co-ordination with neighbouring Arab countries. A discussion and analysis of the policies in each group is presented here-under.

Granting incentives to infant industry goes as far back as 1952, when Syria had formulated policies to stimulate investment in manufacturing industry. These policies include tax incentives, investment tax credit, exemption from custum duties for imported capital goods, attrative terms to lease public property, supplying electricity at low rates to industry and tariff protection for infant industry.

1. <u>Fiscal Incentives</u> Tax Incentives

To encourage investment in manufacturing industry Legislative Decree No. 103 was passed in 1952 granting certain privileges to industrial establishments both in the private and the public sectors. To qualify for these privileges, the investments must be related to the establishment of a new industrial enterprise or to the expansion of existing ones. Replacement of machinery and equipment is not covered by this decree. The Decree included the following tax and customs duty exemptions:

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- (a) Exemption from customs duties on machinery, tools and equipment imported for the requirements of the enterprises;
- (b) Exemption for six years from the real estate tax for new construction in factories, administrative buildings and housing for workers and employees connected with the establishment; and,
- (c) Exemption from the income tax for all reserve funds allocated for expansion, provided that:
 - (i) the amounts should not exceed ten per cent of annual profits; and,
 - (ii) such reserves sould be invested in further expansion of the industrial establishment within a period of two years.
- (d) Exemption from the "temettu" tax for a period of six years from the beginning of operation; and,
- (e) Exemption from the income tax for a period of three years from the beginning of operation.

The "temettu" tax referred to above has been abolished by Legislative Decree No. 326 of 23 December 1969, and replaced by an increase in the rates of income tax.

Other incentives.

Apart from incentives mentioned above, other facilities are being extended by the Government in order to promote industrial investment. Among these, mention may be made of the following:

(a) Provision of land on favourable terms

According to Legislative Decree No. 103 of 1952, any entrepreneur who wants to establish an industrial enterprise is given the right to lease for five years State domain land within a limit of 25,000 square metres, with a further right to purchase the land from the State. The beneficiary is not allowed, however, to sell the land or use it for non-industrial purposes.

(b) Subsidized Electric Power

Another incentive to manufacturing industry has been the supply of electric power at low tariff rates. Thus, industrial establishments are provided with a three-tariff power meters to enable them to take advantage of the reduced night tariff and the minimum consumption tariff at peak-load. A reduction in the lighting tariff proportional to the amount of consumption is also given. Furthermore, industrial enterprises requiring power in excess of ten kilowatts are provided with special transforming stations assigned to them.

2. Instruments of Protection

Manufacturing industry in Syria has benefited from the protection normally extented to infant industry. This protection has generally taken the forms of tariffs exemptions and imposition of quantitative restrictions on imports.

Low custom's tariff rates are imposed on the imports of raw materials essential for industry and on industrial machinery and equipment. The tariff on industrial machinery is as low as 1 per cent of value compared to the tariff on non-industrial equipment which could go as high as 100 per cent of value. The same is true of industrial way materials, which either enjoy a tariff exemption or be subject to low rates not exceeding 1 per cent of value. On the other hand local manufacturers are protected from foreign competition by high tariffs imposed on the imports of industrial goods for which these are locally produced substitutes. Such tariff rates range between 25 and 75 per cent, and may reach 100 per cent of value. In illustration of the tariff rates applicable to some industrial and consumer goods is presented hereunder:

Custom duty percentage of value	Type of goods
1	- Industrial machinery and equipment
	- Agricultural machinery (e.g., motors, pumps, tractors, harvestors, etc.)
	- Raw materials (e.g. tanning and dying mater- ials raw hides, rayon fibers, raw wool, mineral oils used in soap manufacturing, industrial chercals etc.
	- Materials used in agriculture (e.g. fertilizers
9	- Scientific, technical and precision equipment
15	- Consumer goods like paper, prepared food products, fuels, some fabricated metals.
25-30	- Textiles
50	- Wearing apparels
75–100	- Alcoholic beverages, refrigerators, washing machines, butain gas ovens, chandeliers, etc.

In addition to tariff protection, local manufacturers benefit from quantitative restrictions on the imports of certain goods. These restrictions vary from complete prohibition of imports of certain commodities to controlling the quantities imported through quotas. Complete prohibition is normally put into effect when a certain product is produced locally in sufficient quantity and is of comparable quality and competitive price with the imported one. However, if the local volume of production does not meet local demand, protection is extended through quantitative import restrictions or tariffs.

It should be noted in this connexion that quartitative controls are applied mainly through import licenses. All permitted imports, except those made by state trading agencies, require individual import licenses before the placing of orders when valued at over LS 1,000. The state trading agencies may conclude import transactions and have the goods shipped before an import license is granted: the license must be obtained, however, before customs clearance. (Exempt from import license, by virtue of Order No. 338 of September 17, 1973, are certain commodities when imported by specified monopoly holders: these include coffee, tea, tobacco, sugar, salt, and rice, when imported by the TAFCO agency).

3. Financial Instruments

Nonetary authorities have resorted to indirect and direct machinery for developing industrial activities and meet industry's financial requirements.

In the following pages a review will be made of the institutional sources of industrial finance in Syria. This will be followed by an attempt to analyse the modalities through which the industrial sector in Syria has been acquiring the capital funds necessary for its development.

The Institutional Sources of Industrial Finance

Among the institutional sources of industrial finance in Syrian commercial banks are by far the oldest. Prior to 1966 commercial banks used to participate in the financing of industry and to submit details of their operations to the Central Bank. However as a result of the major reorganization of the banking system

took effect in 1966 and 1967, the five connercial banks were emalgamented into one bank, the Commercial Bank of Syria, which specialized in financing external and, to a minor extent, internal trade. Accordingly, all credit operations dealing with industry were transferred from the commercial banks to the Industrial Bank.

The Industrial Bank of Syria came into existence in 1958 as a joint stock company guaranteed by the State, and operating under the supervision of the Ministry of Industry. The Bank became a public institution after its nationalization in 1963. Besides being empowered for extending short, medium and long-term loans, the Bank is expected to provide promotional functions such as technical assistance and advisory services regarding the preparation of feasibility studies. The statutes of the Bank also contain provisions for "participation" in industrial enterprises as founders and/or shareholders. Deposits constitute an important source of the Bank's resources accounting for more than one half of the total funds at its disposal. Central Bank facilities through refinencing and rediscounting of notes constitute also an important source of financing, the Bank's resources. Thus the Central Bank of Syria gives preferential treatment, in discounting, for papers originating in industry, either through imposing lower discount rates on industrial notes and bills or through permitting industrial papers to have a longer maturity for rediscount.

Highlights of the general financing policies of the Industrial Bank and its relative role in financing Syrian Industry is presented hereunder.

(a) <u>Credit Conditions and Ceiling</u>

The Bank extends medium term loans (less than five years) and long-term loans (less than ten years), provided that:

- (i) the size of the loan does not exceed 95 per cent of the total cost of the project;
- (ii) the amount borrowed is less than 10 per cent of the bank's total resources;
- (iii) the loan falls within the maximum limit of 60 per cent of the ougtomer's oredit worthingss.

(b) <u>Security required</u>

For medium and long-term loans, real estate, fixed machinery, financial papers acceptable to the Central Bank as well as goods and bank guarantees are accepted.

For short-tern loans, personal guarantees or connercial papers are required.

FAITTERN OF LEDUSTRIAL FIRECRE DE MAJOR CROUPS OF INDUSTRIES (FUBLIC SECTOR) AS OF 12.31.1969 PARKE LTL.1

(in thousands of Syrian pounds)

fixed working center fixed working invented Total Short-torn 160,639 A2,306 85,631 216,133 T1,133 12,628 6 32,039 27,041 63,797 59,140 10,000 - 1 248,809 51,839 156,291 344,886 37,252 8,236 2 171,572 58,028 65,615 231,131 9,455 1,731 7 70,203 17,794 11,102 87,997 32,500 - 7 70,203 17,794 11,102 87,997 32,500 - 7 70,203 17,794 11,102 87,997 32,500 - 7 70,203 17,794 11,102 87,997 32,500 - 7						Mar 4 - 1			-1
1.39.710 160,699 /2,306 85,631 216,133 77,133 12,628 6. ttem 49,140 32,099 27,041 63,797 59,140 10,000 - 10 307,634 248,809 51,839 156,291 344,886 37,252 8,236 23 a.dcale 221,676 171,372 58,028 65,615 231,131 9,455 1,731 7 a.dcale 221,676 171,372 58,028 65,615 231,131 9,455 1,731 7 772,657 70,203 17,794 11,102 87,997 32,500 - 32 772,657 719,182 ⁴ 197,508 382,436 939,287 166,630 22,597 144		provisions 3	fixed casets	working capital	Inventory	total capital invested ² /	Total	Short-torn Short-torn finencing	Long-tern Long-tern Lons
the 49,140 32,099 27,041 63,797 59,140 10,000 - 307,634 248,809 51,839 156,291 344,886 37,252 8,236 midcale 221,676 171,372 59,028 65,615 231,131 9,455 1,731 55,497 70,203 17,794 11,102 87,997 32,500 - 772,657 719,182 197,508 382,436 939,287 166,630 22,597 1	Food Indsutries	138,710	160,699	42,306	85,631	216,133	71,133	12,628	64,795
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leur: Refining <u>55.497 70.203 17.794 11.102 87.997 72.500 -</u> 772,657 719,182 ^{6/} 197.508 382,436 939,287 166,630 22,597 1	Engineering and Chaniculs	221,676	171,372	58,028	65,615	231,131	9,455	1,731	7,724
772,657 719,182 ²⁰ 197,508 382,436 939,287 166,630 22,597 1	Petroleu : Refining	55.497	70,203	17.794	11.102	166,18	32,500	r	32.500
	Total	772,657	719,182	197.508	382,436	939,287	166,630	22, 597	144,033

"Firencing of Industrial Development in Various countries of the Middle Reat" published in Studies on Development Problems in Selected Countries of the Middle East, United Mations publication Sales No. E.73.II.C.2. See -Sources

- Peservet = capital reserves; provisions = deferred perments and accumulated depreciation; 3
 - Fiual to the difference between long-term financing (paid-up capital, reserves and provisions plue long-term loans) and gross fixed assests; e
- Internal sources of fininge (paid-up capital, reserves and provisions) plus external sources of finance; <u></u>
- Does mut reflect the real amount of external financing, since a good part of capital requirements have been provided either from the government or through short-term ઉ
 - "roll-ever" credits which are not necessarily contracted through hanking channels; F
- (e) The net value of which is SL 303 million.

(c) Interest rate

	Public Sector	Private Sector	Craft Societies
Short-tern loans			
discountable	5.25 %	6.0 %	4.25 %
not discountable	5.5 %	7.0 %	5.5 %
Hediun-tern loen			
discountable	5.75 %	6.75 %	4.5 %
not discountable	6.0 %	7.5 🗲	6.0 %

The public enterprises are granted a discount on the interest rate that may reach a maximum of 1.75 per cent. Craft societies enjoy a special treatment and are charged even lower interest rates.

The present relative importance of the Industrial and Cornercial banks in providing credit to industry is difficult to assess in view of the paucity of published information on the subject. However, available figures suggest that the contribution of the Industrial Bank of Syris in total credit extended to industry has been increasing after 1965 and accounted for two third of total oredit granted to industry early in the seventies mainly as a result of the reorganization of the banking system referred to earlier, by virtue of which, the Industrial Bank became the only competent organization concerned with banking operations for the industrial sector, whether public, private, mixed or co-operative. It is worth noting, in this commexion, that in spite of these specialization measures which took place, commercial banks continued to account for around 30 per cent of total credit granted to industry during the same period. Despite these developments, the proportion of credits extended by specialized and non-specialised institutions to total credit extended by the banking system continued to be low, not exceeding 13 per cent on the average during the period 1966-1970.

The financing of new public industrial establishments through the industrial bank dates from 1973; prior to that date all public sector enterprises were financed directly from the treasury. At present public industrial enterprises still draw the major part of their financial resources for new investments from the treasury. Nost industrial bank's loans to these enterprises remain of a short-term nature. Available information over a number of years and until 1974 indicate that about 90 per cent of the bank's loans were granted to the public sector, especially to the textile industry while the private sector accounted for less than 10 per cent of the total.

The Financing of Industry

A comprehensive and clear picture of the modalities through which the industrial sector in Syria has been acquiring the capital funds measure for its expansion is extremely difficult to depict in view of the lack of information relating to the private industrial sector which continued to account for a substantial part of industrial output. (around 50 per cent). A fairly representative indication of these modalities could be derived from information existing for the public industrial sector and relating to a consolidated picture of the capital requirements and its sources of finance in the various industry groups early in the 1970's. These information are shown in Tables(III.1) and (III.2) below:

	financ a per total.	ent of estimated	Gross fixed assets as a per cent of capital and provisions	Inventory as a per cent of capital and pro- visions	Inventory as a per cent of net working capital	Per cent of short-term financing to total external financing
Pood industri	•6	36	116	62	200	16
Tobacco and cigarettes		17	65	130	236	-
Textiles		11	93	51	301	22
Ingineering a ohenicals	ba	4	77	30	113	18
Petroleun refining		37	126	20	62	-

TAME III.2 SELECTED ASPECTS OF INDUSTRIAL FINANCING (FUBLIC SECTOR) AS OF 12.51.1969

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Source: Same as previous table.

Note: For definitions see table

- a) Capital invested includes provisions for accumulated depreciation and deferred payments. In the absence of figures on current liabilities, the real magnitude of external financing cannot be assessed.
- b) This figure is on the low side. Due to the absence of figures on current liabilities the real magnitude of external financing could not be assessed.
- c) Capital and provisions = paid-up capital, retained profite and capital reserves plus provisions for accumulated depreciation and deferred payments.

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Upon examining the above two tables the following observations could be made :

(a) "Own capital" defined as paid-up capital plus provisions and reserves is by far the most important source of funds. The proportion ranges from a high percentage of more than 95 per cent in large industrial groups such as angineering and chemicals, to a low of around 64 per cent in the food industries;

(b) Depreciation rates are rather high averaging two thirds of the cost of fixed assets implying that most machinery, equipment and buildings are relatively old and need replacement;

(c) There is a tendency towards over accumulation of inventoriss, almost double the working capital.

In the absence of details on the structure of current liabilities, it was not possible to determine how investory accumulation was financed. Available figures suggest that the level of short-term loans contracted by Syria industries was far below the inventory requirements. As a matter of fact, the amount of total outstanding loans extended by the banking sector during this same period was very inadequate to finance such an accumulation of inventories, accounting for less than one half of the accumulated inventories. This means that Syrian industry had been resorting to other sources of finance to meet its fixed as well as working cupital needs. Most probably, such sources were provided either directly from the Government, or through short-term "roll-over" credits which are not necessarily contracted through banking channels, but, rather, effect.d directly among the trading partners in the form of trade credits.

On the basis of the foregoing indications, the following main conclusion emerge:

(a) The future expansion of Syria industry will very much depend on the availability of long-term financial resources which would make possible the replenishment of the depreciated fixed assets;

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(b) Every effort should be made to avoid excessive inventory accumulation which tends to overburden the already limited financial resources; and,

(c) Investments out of retained earning should be encouraged. Profits, however, should not be the result of monopolistic situations created by protection and leading to artificially high prices, but, rather the result of a more efficient utilization of the factors of production coupled with an optimally large volume of sales.

4. Incentives to promote exports

Three instruments have been used to promote exports by fiscal means, manely, the rebate of custome duties, Government subsidy and the establishment of free somes. These instruments are reviewed below :

Rebates of Customs Duties

To give an impetus to the exports of manufactured goods, the Government adopted a policy of refunding import duties and other taxee to exporters in accordance with Legislative Decree No. 87 of 1967. Two basic points were provided by the Decree :

- Rebate of customs duties and fiscal and municipal duties levied on imported materials used in the manufacture of local goods when such goods are exported.
- 2. Exception of locally manufactured products or materials used in their manufacture from the agricultural production tax and the fiscal and municipal duties and taxes, or their total or partial rebate upon export.

Industrial Exports Development Punds:

Another measure to promote industrial exports was the establishment of the Syrian Industrial Exports Development Fund in accordance with the Legislative Decree No. 147 of 1970. It was to replace the Cotton Textile Export Promotion

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Fund which has been in existence since 1956. The main tasks assigned to the newly established fund may be summarised as follows:

- 1. To plan the export promotion policy of Syrian manufactured products.
- 2. To carry out marketing studies.
- 3. To subsidize exports.
- 4. To offer paid consultancy services to public and private sector enterprises.
- 5. To collect information on potential export markets.
- 6. To propose participation in international fairs.

Tree Zones :

To encourage the establishment of export-oriented industries, a new policy was adopted in 1971 to expand free somes in the country. To this extent, a General Organisation of Free Zones was set up according to Legislative Decree 18 of 1971, with a view to developing managing and exploiting thuse somes. At present, there are six free somes in Syria located in Denasous, Adra, Aleppo, Lattakia, Tartous, and Denasous International Airport. In addition, there is the Joint Syrian-Jordanian Free Zone which is run by independent company and is located at the boarders between the two countries. These somes are outside the domaine of oustons authorities which should provide an incentive for export-oriented industry to locate and benefit from cheap labour and the availability of certain materials. By the end of 1977, the number of industrial establishments operating in the Demascus, Aleppo and Lattakia Free Zones reach 27, occupying a total land area of 16,691 m². These industrial establishments produce wearing apparels, drugs, tooth pastes, perfunes, car air conditioners, rugs, canned food, salted ballies, etc.

5. Policies relating to Poreign Investment

In an attempt to encourage the inflow of capital from abroad for direct investment in economic development projects or for deposit at the banks of the country, a Legislative Decree No. 348 of 1969 was insued. The Decree aimed primarily to attract the inflow of liquid capital of Syrian immigrants and Arab mationals by providing safegmards against mationalization and by allowing the repatriation of profits and capital. Perhaps the more important provisions of this Decree are the following:

- 1. Investments cannot be expropriated or confiscated except by law, whereby a fair and immediate compensation will be paid.
- 2. Up to 50 per cent of the net profits resulting from such investments are allowed to be transferred abroad in the same ourrency in which the capital was brought into the country, or in any other ourrency acceptable to the Bareau of Foreign Bachange at the Central Bank of Syria, which determines the rate of exchange. The remaining portion of the profits is to be invested in expanding the enterprise or in new projects.
- 3. Repatriation of the capital invested may begin five years after the investment is made and at the rate of 25 per cent per year, in the original currency of the capital or in any other currency acceptable to the Dureau of Foreign Buchange,
- 4. Investors may request the transfer abroad of their capital in the same form in which it was entered into the country, at any time after the lapse of six months if difficulties arise which prevent the actual investment of such capital. Time deposits in banks may be transferred abroad upon date of account empiration.

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- 5. Arab and foreign experts and foremen coming from abroad to Syria to work in such projects, are allowed to transfer abroad a part of their salaries and wages within the limits stipulated by the Central Bank of Syria.
- 6. The Central Bank of Syria guarantees the transfer abroad of capital that was originally transferred into the country in accordance with this Legislation.

To give further assurances to Arab investors of adequate compensation against non-commercial risks (e.g. mationalisation or expropriation), Syria ratified in 1971 the Convention of the Arab Investment Guarantee Institution of Euwait.

6. Industrial Co-operation Policies with Arab States:

Expansion of the domestic market has been of major concern to Syrian Authorities and recent developments in this regard have been the Syrio-Jordanian industrial coordination and the more recent Syrian-Iraqi comprehensive cooperation following the rapprochament between the two countries at the end of 1978.

The Syrio-Jordanian industrial co-operation started in 1975, and aimed at coordinating the industrial development plans in the two countries according to the following principles :

- 1. To have the scope of the coordination encompass all the new industrial projects which any of the two countries intends to establish.
- 2. To exchange information about the projects under construction.
- 3. To study the industrial projects listed in the economic development plans prior to approving them in order to coordinate among them.

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- 4. To achieve specialization in similar industries.
- 5. To adopt the principle of joint ventures in industrial projects.
- 6. To process the raw materials available in each of the two countries and substitute locally produced goods for imports. $\frac{1}{2}$

In order to bring about effectively industrial coordination between the two countries, a joint Syrian-Jordanian Industrial Company and a Joint Industrial Free Zone Company were established. One of the main purposes of the industrial company was to establish, own, and aperate industrial projects in both countries. Its capital was set at JD 20 million equally shared. In 1976, it was decided that the Company takes the preliminary measures for establishing or participating in the following projects: tiles, building bricks, aluminium sections, wearing apparels, white cement. In 1977, it was approved that the company participate in the wearing apparel project which was to be established in Danascus. It was also decided to select an international consulting house to conduct a technoeconomic, and financial study and prepare the technical specifications for the white cement project which the company intends to construct in Jordan.

As for the Syrian-Jordanian Industrial Free Zone, a land site was selected at the borders between the two countries, and JD 5 million equally shared was _ppropriated for developing the zone.

The Syrian-Iraqi coordination is of more recent origin. It started with the rapprochement between the two countries in December of 1978. A number of joint committees have been formed to coordinate activities of the two countries at all levels. The main thrust of the cooperation at the manufacturing industry level, has been to come up with a fully co-ordinated industrial development plan as part of the next five year economic and social development plans in each of the two countries. Both such plans are to start in 1981.

^{1/} Abdul Mahaymen Al Khatib, Prospects of the Syrian-Jordanian Industrial Coordination and Its State of Progress, Damascus, 1977.

II. Measures regulating the development of Industry

In addition to the above mentioned measures that aimed at promoting industrial development, the Syrian authorities have at various points in time, enacted a set of measures with a view to regulating and controlling industrial concerns. This includes measures relating to granting permits for the establishment of industrial enterprises, price and profit controls, and to drawing the lines of demarcation between the activities of the public and the private sectors in manufacturing industry.

Industrial Permits:

In 1958, a Law No. 21 was passed which required the granting of a "permit" by the Ministry of Industry for the establishment of any new industrial enterprise or the expansion of an existing one. Applicants fill special forms available at the Ministry of Industry and submit them together with all the relevant documents. After a preliminary examination by the appropriate department at the Ministry, the applications are referred to the "Industrial Permits Commission" which is headed by the Deputy Minister of Industry and whose members represent the Ministries of Economy and Foreign Trade, Supplies and Internal Trade, Housing and Public Utilities, Health, The General Directorate of Customs, the Directorate of General Mobilization, and the Chamber of Industry. The Commission evaluates the application on the basis of the economic needs of the country and the possibilities of local and export demand, all within the general framework of the Five Year Development Plan. The Commission also takes into consideration the co-ordination requirements between the public and the private sectors. Thus, when Galing with a private sector application, a careful effort is made to avoid conflict with the present and the planned lines of business of the public sector industrial enterprises. The Commission submits its recommendation to the Minister of Industry who makes the final decision for granting the industrial permit.

Price and Profit Policies:

Price policies have traditionally been handled by the Ministry of Economy and Foreign Trade. In 1960 and upon the establishment of the Ministry of Supplies and Internal Trade, a Law No. 123, was passed transferring all matters dealing with supplies and pricing to the new Ministry. In 1969 a Legislative Decree No. 158 was issued which further elaborated the pricing functions of the Ministry as follows :-

- 1. To execute the pricing policies of the state.
- 2. To formulate pricing policies in the retail trade.
- 3. To determine the selling prices of all goods produced or imported by the public sector organizations, and to attempt to keep these prices stable.
- To determine the allowed profit margins to all types of business (i.e. manufacturers, importers, wholesale and retail traders).

It should be noticed that the Ministry of Supplies and Internal Trade does not act alone in determining price and profit policies. After such policies are formulated by the Ministry, they have to be approved by the Economic Committee before the former can implement them. The Economic Committee is a ministerial-level Sub-Committee headed by the Deputy Prime Minister for Economic Affairs. It is, among other things, the highest price policy formulation sutherity in the country. However, Procee No. 158 specified the issues which ought to be referred by the Ministry to the Economic Committee. These includes

- 1. The basis of the general price policy.
- 2. The retail prices of essential goods.
- 5. The prices of consumers goods which ou ht to be sold below cost, and the party that should bear the losses (only relevant for public sector manufactured goods).
- 4. The prices of consumer goods produced or imported by public sector organisations.

It is clear from the above discussion that prices of industrial goods, especially those produced by the public sector enterprises are administered prices. Furthermore, the management of the public sector industrial enterprises have little or no authority over the price policy of their products. The prices of these products are determined by the Ministry of Supplies and Internal Trade, but ultimately by the Ministerial Economic Committee. Thus, it is observed that some products which are considered luxury products are sold at such prices which yield high monopolistic profits, while other products which are considered essential are sold at prices below cost (i.e. subsidised). This has created serious price distortions which have adversely affected the performance of the public sector enterprises.

<u>Quidelines Identifying the Branches of Industry in which the Private Sector can</u> <u>Operate</u>:

In an attempt to restore confidence to the private sector which has been largely shaken by the nationalization of industry in the mid 1960's, and to encourage investments by this vital sector in manufacturing industry, an indicative list approved by the Goverrment was issued in 1971, which clearly identifies the branches of industry in which each of the private, public and mixed sectors can operate. This list was meant to provide guidelines for the granting of industrial permits within the general framework of the Goverrment Development policy. The guidelines defined the industries which are exclusively restricted to the operations of the public sector as those which:

- 1. Relay on mineral resources in their production processes.
- 2. Require a large scale production facilities, and where the products are largely standardized in nature.
- 3. Produce basic goods for local consumption such as food and those which produce strategic products.

Furthermore, the indicative list specified 110 industrial commodities which the private sector can engage in manufacturing.

III. The Institutional framework of Industrial Development

Manufacturing industry in Syria has gone through a number of significant institutional changes, including the nationalization of major industrial establishments which have led to the eventual emergence of the industrial public sector as the leading sector in industry. Furthermore, as the industrial public sector grew, its organization also changed. In this section, a detailed discussion will be made of the developments in the institutional framework affecting manufacturing industry, and the organizational changes of the industrial public sector.

Organisational Development

Manufacturing industry in Syria was originally started by private enterpreneurs who set up a number of modern industrial establishments in the mid-forties and early fifties which took the corporate form of business.

Industry prospered during the 1950's, but remained primarily light consumer's good oriented industry which relies basically on the processing of Syrian agricultural orops such as cotton, sugar beets, wheat, fruits, and vegetables, ..., etc. During this period, industrial regulation and other policy matters were vested in a Directorate of Industry at the Ministry of Boonomy.

In 1958, the Ministry of Industry was established by Law H₀. 212, to handle all matters relating to industry and mineral resources. In the same year the Industrial Bank was established by Law Ho. 177 of 1958, and the Ministry of Flanning was oreated in 1960/61. This was followed by the formulation of the First Five Year Economic and Social Development Flan, whereby the Government proposed to undertake the establishment of large industrial project.

The Public Industrial Sector and its organisation

As indicated earlier, Syrian manufacturing industry was largely dominated by the private sector until 1964. The role of Government was essentially that of regulation and promotion. In 1964 and 1965, and in

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accordance with the new socialist policy of the state, the major means of production in the country were nationalised. The nationalisation included 108 industrial companies. The value of the fixed assets of the companies was estimated at about SL 200 million.

Two organisations attached to the Ministry of Industry were created. The first was the General Commission of the Industrial Public Sector whose main function was to administer the mationalised firms. The second was the General Organisation for the Implementation of Industrial Projects (GOIIP). The main function of this Organisation was to supervise the construction of new major industrial projects from start to completion, then turn them to the appropriate industrial organisation to operate them.

One of the major tasks of the General Commission of the Industrial Public Sector was to reforganize the nationalized industrial firms in order to ensure specialization and integration in the production processes for the purpose of raising efficiency. Thus, a merger novement was initiated which consequently reduced the number of nationalized industrial companies from 108 to 44. The Commission was later desolved and was replaced by three specialized industrial organizations according to a Legislative Decree No. 21 of March 1967. These organizations were:

- The Union of Food Industries
- The Union of Textile Industries
- The Union of Engineering and Chemical Industries

As the public sector industrial companies grew in size, number of establishments, and product-line diversity a further reorganization was deemed necessary to facilitate the management of this sector. Thus, in 1974, Legislative Decree No. 18 was issued which delegated a significant part of decision making authority to the Board of Directors of the public sector enterprises. The Decree also specified that the Board of Directors of a public sector enterprise will be selected from the functional area (i.e. finance, production, marketing, technical, etc.) as directors of the same enterprise. This was immediately followed in 1975 by a number of other Decrees which had the effect of replacing the three former public sector specialised industrial unions with six new General Organizations, namely:

- The General Organization of Food Industries
- The General Organisation of Sugar Industries
- The General Organisation of Textile Industries
- The General Organisation of Chemical Industries
- The General Organisation of Engineering Industries
- The General Organisation of Cement Industries

The number of public sector industrial companies which these specialized industrial General Organizations administer reached 80 by the end of 1978, distributed as follows:

- 7 companies in the sugar industries
- 22 companies in the textile industries
- 13 companies in the chemical industries
- 11 companies in the engineering industries
- 9 companies in the cement industries

A complete list of these companies and their location appear in Appendix (B).

include industries engaged in leather, footwear, glass and electric lamps manufacturing.

^{2/} include basic metals, fabricated metals and machinery, paper tissues, wood and matches industries.

The above mentioned industrial organizations belong administratively to the Ministry of Industry. In addition, there are <u>six</u> other public sector industrial organizations which belong to other ministeries. These are:

- Homs and Banias Petroleum Refining Companies, which belong to the Ministry of Petroleum and Mineral Resources.
- The General Organization of Grain Mills which belongs to the Ministry of Supplies and Internal Trade.
- The General Organization of Cotton Ginning and the General Organization of Tobacco, both of which belong to the Ministry of Boonomy and International Trade.
- The General Organization of Defence Industry, which belongs to the Ministry of Defence.
- The General Organization of Blood and Medical Products, which belong to the Ministry of Health.

IV. Manpower Training.

Manufacturing industry has benefited from the manpower technical training facilities extended by the Ministries of Education, Higher Learning, and Industry. These Ministries have established a number of vocational and technical training schools covering a wide range of trades in order to meet the growing demand of both the public and the private sectors for skilled labor and technicians. In fact, the Ministry of Industry has spent SL 16 million on vocational training over the Four Five Year Plan.

Technical education and vocational training is conducted at various levels. These include technical junior colleges, industrial high schools and vocational training centers. Furthermore, special emphasis has been placed on management training and development.

The technical junior colleges have been established to meet the increasing need for technicians who play such a vital role in the hierarchy of technical staff between engineers and skilled workers. These colleges offer a two-year program to high school graduates who upon successful completion of the program are awarded a diploma which qualifies them to work as assistant engineers or as instructors at the industrial high schools. The more important of these junior colleges are the following:

<u>Aleppo Industrial College</u>: It was ostablished in 1960 by the Ministry of Education. The purpose of the college is to train technicians in the following areas of specialization. Metal works, general mechanics (engines and cars), and carpentry. The training capacity of the college is 200 students per program.

The Industrial Junior College: It was established in 1970 at Damascus University. Its purpose is to train technicians in electrical installations and equipment, electronics and car engines. The training capacity is 200 students per program.

Petroleum and Metals Professions College: Established at Homs in 1969 oy the Ministry of Oil, it has two branchos one in Damascus and the other at the oil fields in Rumailan. The college trains technicians in the following specialities: chemistry, petrochemistry, industrial power generation, geology, oil production, transportation and storage as well as digging for oil. The training capacity is 250 students per program.

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In 1975, the Ministry of Industry established six such technical junior colleges for training technicians in the various branches of industry in which the public sector is active. These colleges are:

Name of College	Training Capacity
Textile Industries College - Damascus	210 students
Engineering Industries College - Damascus	138 students
Chemical Industries College - Damascus	300 students
Chemical Industries College - Homs	200 students
Food Industries College - Damascus	150 students
Agricultural Equipment College - Aleppo	186 students

These six junior colleges graduated 617 technicians in 1977 who were appointed in the public sector industrial companies. Furthermore, 725 students were accepted in these colleges for the academic year 1977-1978.

Vocational training is offored at three different types of institutions. First, industrial high schools which exist throughout the country and belong to the Ministry of Education. These schools offer training in such skills as electricity, electronics, metal works, car engines, wireless, carpentry, welding textile,..., etc. The training programs are offered to holders of secondary school degree holders who follow a three year course at the end of which they receive an industrial high school degree. The training capacity of these high schools is 12,000 students per program. Second, the Ministry of Industry has established two large vocational training centers in Damasous and Aleppo. They provide training in metals, general mechanics, electricity, construction, carpontry, and textiles. Most of the training programs at these centers extend for a 40 week period, at the end of which the graduates are awarded a certificate which qualifies them to become semi-skilled labor. The two centers graduated 815 students in 1977 and 1,300 students were accepted for the following year programs. Third, some of the public scotor industrial companies offer their own training programs to train new workers and up-grade the skills of existing The most important of such schools are parhaps those of electromics, workers. electrical engines, rubber industries, cables, metal industries, asotic fortilizers, leather tanning, porcelain, asbestos, glass and electric lamps and batteries.

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In addition to technical education and vocational training, managoment development has been receiving increasing attention. Thus, in 1967 the Conter of Hanagement and Freductivity Development was established as a joint venture between the HAO and the Ministry of Industry. The Conter aims to develop the managerial enterprise managers at all levels by offering training programs designed for this purpose. Training programs are offered in the fields of industrial engineering, marketing, finance, production, management, oost, accounting, inventory control, and organisation and methods. The length of the training programs vary from one week to three months.

CHAPTER IV

INDUSTRIAL PROGRAMMES IN THE FIVE YEAR PLANS

Industrial development in Syria has received an increasing attention over the Four Five-Year Economic and Social Development Plans as evidenceu by the size and the relative share of the investments that have been allocated to it. Thus the planned public sector investments in manufacturing industry while amounted only SL 205 million in the First Plan, almost doubled in the Second Plan to become SL 398.4 million. In the Third Flan the investment figure more than doubled and reacted SL 1,051 million. In the Fourth Plan it increased by ten times to become SL 10,694 million. This staggering increase in the planned investment in manufacturing industry reflects also the growth in the relative importance of this sector in relation to the other sectors of the economy. More specifically, planned investment in manufacturing industry accounted for only 10 per cent of the total public sector investment in the First Flan. It has increased systematically over the Second (11 per cent) and Third Plan (16 per cent) to reach 24 per cent in the Fourth Plan.

This Chapter will discuss the industrial programmes and the underlying strategies which have guided investment in manufacturing industry in each of the four Five Year Plans. This will be done through presentation and analysis of the programmes and a description of the major industrial projects in each Plan.

Industrial Development Programme of the First Five Year Plan.

At the time the first Five Year Plan was prepared, the Syrian economy was largely dominated by the private sector. The purpose of the investment programme in industry was to identify projects for the private sector to invest.

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in, and to have the Government invest in big industrial projects which the private sector may neither have the villingness nor the financial capabilities to get into. Thus, industry was allocated a modest SL 205 million to be invested by both the public and the private sectors, distributed as shown in the following Table.

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Industry and Project	Planned Investment (SL Million)	Percentage of total		
Chomical Industry	131	<u>64</u>		
- Mitorgenous Pertilizer Plant	^9 0			
- Phosphatic Fertiliser Plant	4			
- Sulphuric Acid Plant	4			
- Ordinary Soda	7			
- Other chemicals	26			
Incineering Industries	31	15		
- Iron rods plant	18			
- Other engineering	13			
Food Industries	38	18.5		
- Expansion of sugar plant	13			
- Other food projects	15			
- Tobacco	10			
Missellaneous	<u>ئ</u>	_2.4		
Total	205	100		

Table IV-1 Investment Programe in Manufacturing Industry in the First Five Year Plan

Source: First Five Year Flat, Ibid, p. 131

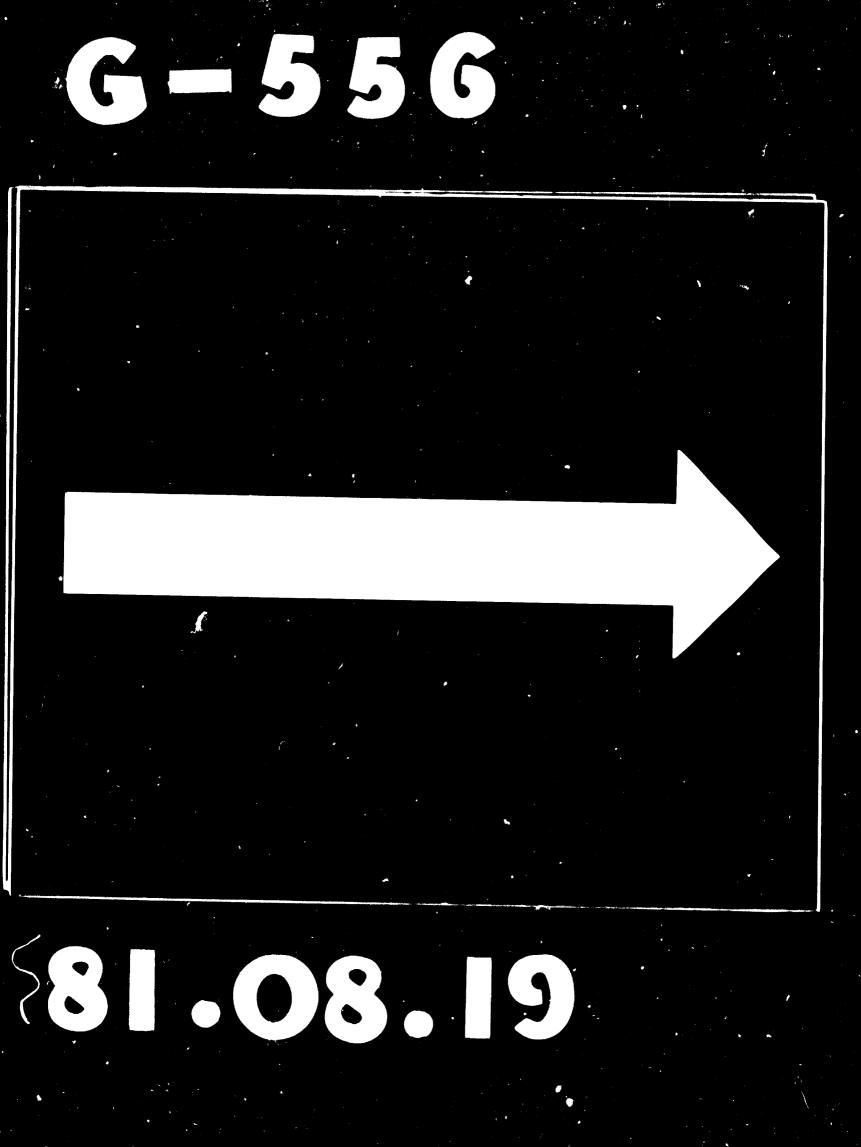
The chemical industry received the largest proportion of the investment, this alone accounted for 64 per cent of the planned investment in industry. Food and tobacco received 18.5 per cent of the investment, and engineering industries received 15 per cent.

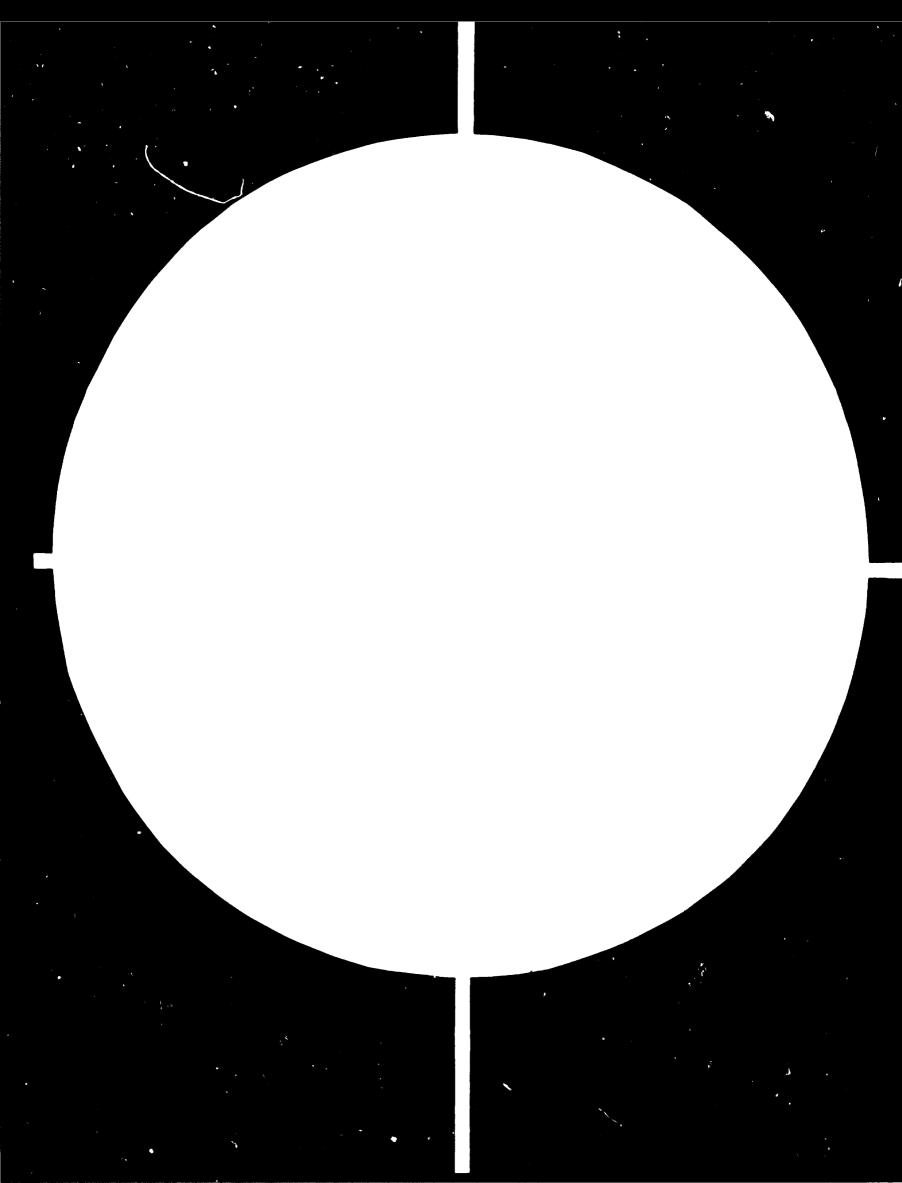
Perhaps the most important project in the chemical industry was the construction of nitrogeneous Fertilizer Plant with a production capacity of 120,000 tons annually. The project was estimated to cost SL 90 million and to employ 1,000 workers. Given the size of the project, it was planned to be undertaken by the Government. The other projects in chemicals included phosphatic fertilizers, sulphuric acid, paints, drugs, glass, china products, rubber and plastics. They were estimated to cost SL 41 million and were left for the private sector.

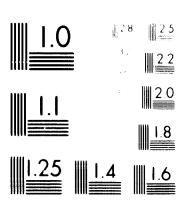
It appears from the investment program in the chemicals industry that the main emphasis was placed on the manufacturing of fertilizers. This reflects a strategy of integrating industrial with agricultural development.

The food industry including tobacco was allocated SL 38 million for investment in food canning, vegetable oils, and sugar refining. Perhaps the main project in the food industry was to expand the production capacity of the existing sugar company to 6,000 tons daily at an estimated cost of SL 13 million. A new project for drying 30,000 tons of onions annually was also included. The project was estimated to cost SL 1 million and to employ 62 workers. Except for the expansion of the tobacco industry, traditionally a government monopoly, all the projects in the food industry were left for the private sector.

The investment program in the food industry seems to reflect a strategy of developing agricultural based industry. That is an industry which utlises agricultural output and processes it to meet the local demand for food stuffs and to export the surplus.







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The engineering industries were allocated SL 31 million. The major project in this industry was the construction of an iron rods plant with a production capacity of 20,000 tons. The project was estimated to cost SL 18 million and to employ 300 workers. This project reflects a strategy of establishing a basis for heavy industry in the country, and to produce an essential type of construction materials locally. All of the projects in the engineering industry were left for the private sector.

Industrial Development Programme of the Second Pive Year Plan.

Planned public sector investment in manufacturing industry amounted to SL 398 million in the second Pive Year Plan, which is about twice as much as was allocated in the Pirst Plan. Two reasons may be offered ∞ explain this increase. First, since the nationalisation of large industrial establishments the responsibility of industrial development has shifted from the private to the public sector. Second, the very low rate of implementation of industrial projects in the First Pive Year Plan as will be seen later.

The Second Five Year Flan may be considered as a major turning point for manufacturing industry in Syria. For with the Government control of industry, the industrial public sector started to emerge as a leading sector.

Given the temporary nature of the organisational structure of the industrial public sector during the Second Five Year Flan Period, it was deemed more useful to reclassify the investment program of manufacturing industry by major industrial classes and not according to the public sector industrial organisations as will be done for the Third and Fourth Flans. The attempted reclassification of the investment program in manufacturing industry is presented in Table IV-2.

Branch of Industry	Investment (SL Million)	Percentage of total
Food industries	62.7	15.7
Textils industries	59-2	14.8
Chemical industries	5 .2	54.0
Wood, paper, leather and plastics	. O	0.5
Kon-metallic mineral products	-1	1.7
Basic metal industries	24.0	6.0
Pabricated metal industries	8.7	2.2
Vocational and management training and industrial research	16.6	4.1
Others	2.9	0.7
Total	398.4	100.0
+		

Table IV-2	Planned Investment	in '	the Public Sector	Manufacturing
	Industry in	the	Second Five Year	Plan

Source : Second Five Year Plan, Ibid, pp. 169-172.

A close examination of Table iv-2 reveals the chemical industry, like in the Pirst Plan, received the largest proportion of the investment, or 54 per cent. This is clearly due to the capital intensity nature of the planned projects in the fertilizer and in petroleum refining industries. The food and textile industries ranked a distant scoond and third by being allocated 15.7 and 14.8 per cent, respectively. A more detailed presentation and analysis of the investment program and a discussion of the major industrial projects in each branch of industry will be made in the following.

Investment Programme in the food industry.

The food industry was allocated SL 65 million for its projects. New employment to be generated by these projects was estimated at 1,182 jobs. The distribution of the investment among projects is presented in Table IV-3.

Project	Investment (SL million)	Employment (Vorkers)	Production Capacity
Expansion and replacement	8.0	-	
Milk and dairy products (2 plants)	1.8	84	30 tons milk/day each
Canning and food preserving	5.0	-	
Onion & vegetable drying	8.0	204	32,800 tons iresh onicas
Al-Ghab Sugar Plant	21.5	660	45,000 tons/year
Grain mills: (Five new mills plus expansion of 10 old ones)	13.9	200	600 tons/day + 470 tons day added capacity
Automatic bakeries	3.9	34	10 tons/shift each, 40 tons/2 shifts
Tobacco	0.6	-	
	64.7	1,182	

Sable IV-3

Planned Investment in the Public Sector Food Industry in the Second Pive Year Plan

Source: Second Five Year Plan, Ibid, pp. 169-172.

Three objectives in the food industry may be identified. Pirst, to raise the efficiency of existing food establishments by replacing obsolute equipment. Second, to sxpand production capacity of major foodstuffs (i.s. flour and sugar) by constructing a new sugar refinery and a number of new grain mills. Third, to expand the food canning and preserving industry which utilises local agricultural output.

It can be seen from Table IV-2 that the Plan has allocated SL 8 million for expansion and replacement investment. Twelve existing establishments in food industry benefited from this program. The distribution of these Investment SL (Thousands)2 Canning companies7906 Vegetable cil companies6 4011 Sugar refining company3113 Biscuits companies74812 Total8 250

establishments among the branches of the food industry was as follows :-

Source: Second Five Year Plan, Ibid., pp. 289-293.

The mejor new industrial projects in the food industry, however, were the Al-Ghab sugar refinery, the grain mills, and the onion and vegetable drying plant. A brief discussion of each of these projects is in order.

Al-Ghab Sugar Plan Project:

This project was a carry-over from the first Five Year Plan. Its purpose was to construct a plant at Al-Ghab Valley which produces sugar from sugar beets. Production was expected to begin in 1967 at an initial capacity of 25,000 tons annually, of which 8,000 tons from sugar beets and 17,000 tons of refined sugar. Production capacity was to eventually reach 45,000 tons in 1971, of . hich 25,000 tons from sugar beets. The project was estimated to cost SL 31 million, of which SL 9.5 million were expended in the First Plan. The Second Plan allocated SL 21.5 million for completing the project.

1/ Second Five Year Plan, Ibid., pp. 260.261.

<u>Grain Mills Project</u>: The purpose of this project was twofold. First, to construct <u>five</u> new automatic grain mills with a combined production capacity of 600 tons/day. The mills were to be located in the following cities :

City location	Production capacity Ton/Day	
Damascus	200	
Hama	100	
Balib	100	
Lattakia	100	
Al-Hasaka	100	
	600	

Second, to expand the production capacity of <u>ten</u> of the existing grain mills from 710 to 1,180 tons/day. Thus, by 1970 when the project is completed, the country's grain mill capacity will be 1,780 tons/day. The project was estimated to cost SL 14 million and to provide employment for 200 workers. $\frac{1}{2}$

Onion & Vegetable during Plan Project:

The purpose of the project was to build a plant which will process the agricultural production surplus of fresh onions which was expected to reach 30,000 tons annually in 1970, and to export the output. The project was originally designed to transform 32,900 tons of fresh onions into 4,000 tons of dx onion slices. A plant of that size would have cost SL 8 million and e.plowed 204 workers. However, the project, was contracted for with a French concern for a capacity of 14,400 tons of fresh onions at the cost of SL 4.5 million. $\frac{2}{3}$

- 1/ Ibid., pp. 261-262
- 2/ Ibid., pp. 365-366

Investment Programme in the Textile Industry.

The textile industry was allocated SL 59 million for projects that were expected to generate employment for 1,050 workers. The distribution of the investment program among projects is presented in Table IV-4, which reflects two main objectives.

	Investment (SL million)	Employme (Workers	
Expansion and replacement	26.5	-	
Thin Fiber Plant	16.0	450-750	4,125 tons of thin cotton fiber.
Cotton ginning mills (3 plants)	16.7	300	80,000 tons ginned cotton
	59.2	1 050	

Table IV-4Planned Investment in the Public SectorTextile Industry in the Second Five Year Plan

Source: Second Five Year Plan, Ibid., pp. 169-172.

The first was to increase, diversify and improve the quality of output in the industry for the purposes of meeting the growing local demand and capturing the export market potential. To achieve this strategic objective, the plan allocated SL 77 million for expansion and replacement investment. Sixteen existing establishments benefited from this program. The fund allocation among these establishments was made in such a way to assure coordination and specialisation among the different textile firms in the industry in order to improve the rate of capacity utlization, and hence raise efficiency. The second objective was to invest in projects which would increase the degree of local processing in the textile industry. This would have the favourable effects of reducing the imports of intermediate consumption materials (e.g. fibers), as well as reducing the percentage of agricultural output (e.g., cotton) exports in raw materials form which command a lower price than exports of manufa tured goods. Thus, the major new projects in the textile industry were the thin fiber plant and the cotton ginning mills. A brief description of these two projects is in order.

Thin Fiber Plant Project.

The purpose of the project was to construct a plant which will utilize 9,500 tons of Syrian ginned cotton in order to produce 4,125 tons of thin cotton fibers annually. The operation would require 50,000 spindles and 750 workers. The project was to be constructed over two stages. The first stage was to be completed in the Second Five Year Plan, whereby the plant will operate with 30,000 spindles and employ 450 workers. The investment required was estimated at SJ 16 million. The expansion of the project to the ultimate designed capacity was to be undertaken in the Third Plan. Execution of the project was assigned to the General Organization for Implementation of Industrial Projects.

Cotton Ginning Hills Project.

The Second Plan allocated SL 16.7 million to the General Commission of Cotton Ginning and Marketing. If this sum SL 10.5 million were allocated for the construction of <u>three</u> groups of modern (saw-type) ginning mills. Two of these mills were to be built in Der Al-Zor and one in Aleppo, for their proximity to the cotton production centers. The saw-ginned type of cotton produced by these mills was considered to be more profitable for export purposes given the international demand for it, and thus higher price it commands. The three mills were estimated to employ 300 workers and to have a production capacity of 80,000 tons of ginned cotton.

The remaining SL 6.2 million were allocated to complementary investments such as the construction and equipping of modern warehouses that would provide technically sound storage conditions for ginned cotton. $\frac{1}{2}$

1/ Ibid, p. 368.

Investment Programe in the Chemical Industry.

The investment program in the ohemicals industry way the largest of any other branch of industry. It was estimated to cost SL 215 million and to create 780 new jobs. The distribution of the planned investment among various projects is presented in Table IV-5.

Table IV-5	Planned Investment in the Public Sector Chemical
	Industry in the Second Five Year Plan

Project	Investment (SL Million)	Employment. (Workers)	Production Capacity
Expansion and replacement	6.0	-	
Hitrogeneous Fertilizer Plant	71.9	400	148,500 tons annually
Phosphate Fartilizer Plant	25.0	380	102,000 tons annually
Development of Home Oil Refiner	y 112.3	-	increase capacity from 1.2 to 1.7 million tone annually.
	215.2	780	

Source: Second Five Year Flan, Ibid., pp. 169-172.

Two main objectives guided the investment program in the chemical industry. First, to establish new chemical industries which utilize Syrian mineral resources for material inputs, and whose output can be used in other economic sectors (e.g. agriculture) to raise productivity. A good example of this is the two fertilizer plants. As part of this in the development of the existing chemical industry (e.g. oil refining) in the direction of increasing the degree of utilization of Syrian minerals (e.g., Syrian crude oil in this case). The second objective was to modernize other chemical industries for the purpose of increasing, diversifying, and improving the quality of their output.

Thus, the plan allocate: SL 6 million for expansion and replacement investment. Six establishments benefit from this program distributed as follows:

		Investment SL (thousands)
2	Glass and glass products	2 950
ſ	Pottery and china	1 630
1	Liquified gases	230
1	Liquified batteries	130
1	Drug and medicines	1 000
1	Paints	100
1	Cleaners	35
	Total	6 075

Source : Second Five Year Plan, Ibid., pp. 286-287.

The major new industrial projects in the chemicals industry, however, were the two fertilizer plants and the development of the Homs Oil Refinery. A brief discussion of these projects is made below.

Mitrogenous Fertilizer Plant Project.

This project was a carry-over from the First Plan where only SL 6 million was spent on it out of a planed investment of SL 90 million. However, the project went through a number of modifications in its technical specifications, and the desired production capacity was raised from 110,000 to 148,500 tons annually. Thus, the Second Plan allocated SL 72 million for completing the project in 1969. The project was expected to provide employment for 400 workers. $\frac{1}{2}$

Phosphate Fertiliser Plant Project

The project idea arose upon the discovery of phosphate in Syria while conducting geological surveys in the First Plan. Further explorations led to the discovery of significant deposits in AN-SD-adviah and Khnaifies regions in the Palmyra desert area. It was estimated that the phosphate

1/ Ibid., p 258.

reserves of Al-Sharkiah were about 140 million tons of 24.2 per cent concentration, while those of Kh_{na} if is were about 15.5 million tons of 28.5 per cent concentration.

Given the availability of the raw material and the growing demand for chemical fertilizers arising from the expansion of cultivable land areas as well as the increased farming intensity in agriculture, it was decided to construct the phosphate fertilizer plant and locate it near Homs. Production was expected to start in 1969 with a capacity of 75,000 tons annually of triplesuper phosphate and to increase gradually to reach 102,000 tons in 1972 when the plant goes into full operation. The project was estimated to employ 380 workers, and the plan allocated SL 25 million for it. $\frac{1}{2}$

Development of Home Oil Refinery:

The purpose of the investment program in oil refining was twofold. First, to expand the refining capacity from 1.2 to 1.7 million tons annually. The refinery would continue to use the Iraqi crude oil. This project was estimated to cost SL 1.2 million and to be completed in 1967. Second, to modify the Homs oil refinery by installing new units which will make possible the refining of the thicker and higher sulphur content Syrian crude oil. This program was estimated to cost SL 11³ million and to be completed in 1968.²/

Investment Programme in the Fabricated Metal Industry.

The fabricated metal industry was allocated SL 8.7 million in the Second Plan. The distribution of this investment among projects is presented in Table IV-6.

1/ Ibid., p. 257.

2/ Ibid., pp. 252-256.

Project	Investment (SL Million)	Employment (Workers)	Production Capacity
Expansion and replacement	2.3	-	
Water meters plant	2.3	40	50,000 units annually
Electric Meters Plant	1.3	82	50,000 units annually
Dry Batteries lant	2.3	130	16 million battery annually
Telephone sets and exchanges	0.5		
Total	8.7	282	

Table IV-6	Planned	Investme	ent in	the Put	lic	Sector	Fabricated
	Metal In	dustry i	in the	Second	Five	Year	Plan

Source: Second Five Year Plan, Ibid., pp. 169-172.

The objective of the SL 2.3 million expansion and replacement investment programme were several. First, to improve the quality of output by replacing obsolete with modern and more efficient equipment. Second, to raise the degree of local manufacturing by internalizing some external production processes into the industry. Third, to diversify the product line of some establishments which have excess capacity and can acquire the capability of producing new product if only small marginal investments are made. Two establishments benefited from this programme, namely, the Arab Cables Company and the Barada-Hafez Household Appliances Company.

A new section for the manufacturing of Aluminium cables $(400-16mm^2)$ diameters) at the cost of SL 1 million was decided to be constructed at the Arab Cables Cc. The output of this project was to supply the cable requirements for the expansion programs in the transmission and distribution of electricity, hence substituting for the imports of the more expensive imported copper cables. The Project was planned to go into full production in 1968.¹

1/ Ibid., p. 287

The expansion projects of the Barada Hafez Household Appliances Company, essentially a refrigerators manufacturer, included the construction of sections for the production of elevators, cooking ovens, gus operated water heating tanks, and electric fans. These new product lines use basically the same underlying technology as presently utilized in the production of refrigerators. Furthermore, they would help eliminate the excess capacity problem the company suffers from and which arises from the seasonality of the demand for refrigerators. The capital investment cost was estimated at SL 1.3 million.^{1/}

The other projects planned in the fabricated metal industry included four new plants for the production of water and electricity meters, dry batterics, and the assembly of telephone sets and telephone exchanges. The water and electricity meters plants were designed to produce 50,000 units each to meet the expected growth in the demand for such meters which will arise from planned expansion in the water and electricity services. $\frac{2}{}$ The combined cost of these two projects was estimated at SL 3.6 million, and the resulting employment at 122 workers.

The batteries plant project was a carry-over from the First Plan where SL 2.2 million was spent on it out of a total cost of SL 3.6 million. The Second Fian allocated SL 1.4 million for completing the project and SL 915 thousand for operating it in the first five months of production. The plant was designed to produce 16.4 million batteries of various types and sizes, to be used for lighting, radio, and telephone purposes. The project was expected to provide employment for 130 workers. $\frac{3}{2}$

- 1/ Ibid., p. 288
- 2/ Ibid., p. 364
- 3/ Ibid., p. 363

- 90 -

The telephone sets and exchanges assembly project was an expansion of the Syrian Electronics Company which manufactures television sets. The purpose of the project was to assemble telephone sets as well as automatic and semi-automatic telephone exchanges. The investment required was estimated at SL 500 thousand, and employment at 30 workers. Production was expected to start in 1967.¹

Investment Programmes in Other Branches of Industry.

The other industrial projects of the Second Five Year Plan are presented in T_a ble IV-7.

in the Seco	nd Five Year Plan		
Project	Investment (SL Million)	Employment (Workers)	Production Capacity
Wood, paper, leather & plastic	2.0	-	
Asbestos Cement Plant	6.1	, -	
Building bricks plant	1.0	60	8.1 million bricks annually
Iron Rods Plant	24.0	191	105,000 tons/ 3 shifts annually
Total	33.1	251	

 Table IV-7
 Other Planned Industrial Investments of the Public Sector in the Second Five Year Plan

Source: Ibid., pp. 169-172.

The investment in those projects apparently aimed at developing the construction materials type industries: incoder to_meet the growing demand for residential and non-residential construction. Perhaps, the two main projects in Table(IV-7) are the Iron Rods Plant and the Asbestos Cement Plant. A discussion of these projects is in order.

Iron Rods Plant Project.

This project is a carry-over from the First Plan. Its purpose was to produce iron rods of 6-25 mm diameters to meet the demand for steel for

1/ <u>Ibid</u>., p. 364.

construction estimated at 65,000 tons annually and which was expected to double by 1970. The project would also save foreign exchange by substituting for imported steel which was estimated to cost the country SL 24 million annually. The plant was to be constructed over two stages. The first stage was planned to be completed in 1969 when the plant would produce 75,000 tons annually per two shifts. The second stage was planned for completion in 1971, whereby production capacity would rise to 105,000 tons annually per three shifts. The plant was designed to use imported semi-finished steel masses for input. The Second Plan allocated SL 24 million for the project, however, it was contracted for at the lower cost of SL 18.5 million. The project was expected to provide employment for 191 workers.

Asbestos Cement Plant

The project represents a vertical expansion of the National Cement Company of Damascus in the direction of using its cement output as input for producing asbestos cement pipes and sheets. The demand for such products, especially pipes was expected to grow fast with the planned expansion of water irrigation and disposal and severage systems. The demand for sheets to use as ceiling and walls in factories, warehouses, and animal farms was also expected to be high. The project was estimated to cost SL 6.1 million.

Finally, the Second Plan assigned special attention to manpower training and industrial research and allocated SL 16.6 million for investment in these areas. A more detailed discussion of these projects was made earlier in this ohapter.

Industrial Development Programe of the Third Five Yoar Plan.

Planned invostment of the public sector in manufacturing industry more than doubled in the Third Five Year to reach SL 1,051 million. However, about half the investment (45.3 per cent) was allocated for completion of industrial projects started in the Second Plan. Tisus, the Third Plan may be considered

1/ <u>Ibid.</u>, p. 361.

as a continuation of the Second Plan in the manufacturing industry sector of the economy. Furthermore, the industrial public sector started out the plan period with a different organizational structure as three industrial unions were created as have been discussed before. The planned industrial investment program of the public sector and its distribution among the various public sector industrial organizations are shown in Table (IV-8).

Analysis of the information presented in the Table shows that the Union of Engineering and Chemical Industries was allocated SL 270 million, which amounts to 26 per cent of the total investment in manufacturing industry. However, when the investment of SL 81 million allocated to the ohemical and engineering projects being executed by the General Organization for Implementation of Industrial Projects (GOIIP) and the investment allocated to the other public sector organization which also operate in engineering and chemical industries (e.g. oil refining, tractors, and defense) are added, the investment figure rises to SL 518 million, or about 50 per cent of the total investment in manufacturing. The textile industry ranked second and was allocated SL 308 million, which amounts to 29 per cent of the manufacturing investment. The figure represents the sum of the allocations of the Textile Union, the Cotton Ginning Commission, and the textile projects being executed by the GOIIP which amounted to SL 37 million. The food industry including tobacco ranked third and was allocated SL 192.5 million, or 18.3 per cent of the manufacturing investment. Again the figure is the sum of the allocations of the food projects executed by GOIIP and those of the Grain Mills Commission and the Tobacco Monopoly. It should be also noted that the plan allocated SL 12.5 million each for industrial research and vocation and management training.

A more detailed presentation of the investment program analysis of the underlying strategies, and a discussion of the main projects in each of the industrial public sector organizations will be made in the following:

	Carryover Projects	Nev Project	Total	Percentage of total
Vocational training	4.4	-	4.4	0.4
Industrial Research & Tests Centre	12.6	-	12.6	1.2
Management Development Centre	8.1	-	8.1	0.8
Union of Food Industries	39. 8	40.7	80.5	7.6
Grain Mills Commission	-	66.2	66.2	6.3
Tobacco Monopoly	-	36. 5	36.5	3.5
Union of Textile Industries	48.8	204.4	253.2	24.1
Cotton Ginning Commission	-	51.0	51.0	4.8
Union of Ingineering & Chemical Industri	les 203.3	66.8	270.1	25.7
Home Oil Refinery	-	18.4	18.4	1.7
Tractors and Mechanical Products Co.	97.3	-	97.3	9.3
General Organisation of Defense Industa	100 -	51.0	51.0	4.8
General Organisation for Implementation of Industrial projects		40.0	101.6	9.7
TOTAL	475.9	575.0	1 050.9	100.0

IV-8 Planned Public Sector Investment in Manufacturing industry in the Third Five Year Plan Distributed According to Industrial Organisations (SL Million)

Bourpe : Third Five Year Plan, Ibida, pp. 60-70.

Investment Programme of the Union of Food Industries.

The Union of Food Industries was allocated SL 80.5 million in the Third Five Year Plan. Of this Sum, 49.4 per cent was allocated for completion of 11 carryover projects from the Second Plan and 50.6 per cent for 9 new projects. The distribution of the investment program among projects is presented in Table IV-9.

The main objectives of the above investment program was to develop a food industry which utilizes the country's agricultural catput for material input. To this extent, the food canning and preserving, vegetable oil, and beverages industries were stressed in the plan. A brief description of the main new projects will be made below.

The Beer Plant Project.

The purpose of this project was to establish a beer plant in D_gmasous with a production capacity of 5 million liters annually. Such a plant would meet the growing demand for beer in the southern part of the country, save transportation costs arising from the Aleppo plant morth, and export the production surplus. The project was estimated to cost SL 25.5 million, and was allocated SL 7.5 million in the plan. The plant would employ 114 workers. It was expected that in the early years of production, half of the cutput would be exported.

The Yerst Plant Project.

The project aimed at establishing a plant in Home to manufacture yeast using molasses (a by-product of the sugar refinery plant in Home) to meet the local demand and provide a surplus for export. The plant will belong administratively to the Sugar Refinery Company. Production capacity was designed at 6 tons/day, but could be increased to 7 tons. Capital investment was estimated at SL 4 million, and employment at 32 workers.

	Project	Investment (SI: thousands
۸.	Carryover Projects	<u>39 792</u>
	1. Expansion of Modern Canning Co.	2 315
,	2. Expansion of Oils & Soaps Manufacturing Co.	605
	3. Expansion of Damascus Food Products Co.	1 342
	4. Expansion of Syrian Biscuits Co.	400
	5. Expansion of Syrian Dairy Products Co.	1 387
	6. Expansion of Syrian Grapes Processing Co.	320
	7. Expansion of Syrian Sugar Manufacturing Co.	6 100
	8. Expansion of Hams Oils Co.	1 578
	9. Onion & Vegetable Drying Plant	200
	10. Syrian Vegetable Oils Manufacturing Co.	9 78 0
	11. Al-Shark Food Products Co.	2 765
	12. Previous Debts	13 000
B,	New Audioots	40_700
	1. Boor Plant	7 500
	2. Animal Food Plant	4 000
	3. Yeast Manufacturing Plant	4 000
	4. Jablah Canning Plant	3 000
	5. Syrian Company of Postachio Processing & Marketing	1 965
	6. Lattakia fatty acida Plant	1 235
	7. Citzic Acid Plant	12 500
	8. Baby Food & Fruit Juices Plant	3 000
	9. Milib Canning Plant	3 500
C.	TOTAL A + B	80 492

Table IV-9 Planned Investment in the Union of Food Industries in the Third Five Year Plan

Source: Third Five Year Plan, Ibid., p. 62-63.

Food Canning and Preserving Projects.

Two plants were planned to be established, one in Jablah and the other in Hdlib. Both plants would specialize basically in the processing of peas and tomatoes in addition to other vegetables. Each plant will have a production capacity of 1,300 tons annually, which could be raised to 2,000 tons. Capital investment was estimated at SL 3 million for the Jablah Plant and SL 3.5 million for the Edlib Plant. Employment was estimated at 65 permanent and 150-200 seasonal employees for each. Both plants were expected to export most of their output.

The Postashio Processing & Marketing Project.

The project aimed at establishing a company for grading and packaging orop and marketing it locally and abroad. Production capacity would be 10-15 tons per hour. The production refuse would be transformed into construction materials or fertilizers. The cost of the investment was estimated at SL 2 million.

Baby Pood and Fruit Juices Plant Project.

The purpose of this project was three-fold, namely, to substitute for imports, take advantage of the availability of material inputs (vegetables and fruits) locally, and to export the production surplus. Production capacity would be 5,000 tons examply. Capital investment was estimated at SL 3 million, and employment at 76 permanent and 100-150 seasonal workers. It was expected that 50 per cent of the output will be exported.

Investment Programme of the General Commission of Grain Hills.

The commission was allocated SL 66.2 million in the Third Flam for the construction and modernisation of 15 mills and for building 15 new warehouses for flour and grains storage. All of these projects were new. The distribution of the investment program among the projects is above in Table IV-10.

	Project	Investment (SL Million)	
1	Construction of four new grain mills	17.9	
2.	Modernisation of <u>Nine</u> old grain mills	20. 0	
3.	Lentils Processing Plant	0.5	
4.	Construction of 15 warehouses	26.4	
5.	Other	1.4	
	TOTAL	66.2	

Table IV-10	Planned Investment	in the General	Commission
	of Grain Mills in	the Third Tive	Year Plan

Source : Third Five Year Plan, Ibid., p. 69.

The investment aimed essentially at expanding the grain mill capacity of the country in order to meet the growing local demand for flour. It also aims at achieving a more balanced geographical distribution of the mills throughout the country to minimize transportation costs. A brief description of the projects is in order.

New Grein Hills Project.

The project involved the construction of four new grain mills with a combined production capacity of 500 tons per day, at an estimated cost of SL 16 million. The location and production capacity of the individual mills were as follows :-

Loostion	Capacity 200 per der
Democras	200
Tartons	100
Daras.	100
Reidzah	
Sota	1 <u>900</u>

Modernization of Grain Mills Project.

The project aimed at modernising and expanding the production capacity of nine old mills located in Damascus, Homs, Aleppo, and Al-Kamishly. The project would provide an additional grain mill capacity of 585 tons/day, thus raising annual capacity from 474,000 to 649,500 tons annually. The project cost was estimated at SL 20 million.

Construction of new Warehouses:

The project involved the construction of 15 modern warehouses throughout the country to provide technically and economically sound conditions for the storage of flour and grains. The project cost was estimated at SL 26.4 million.

Investment Programe of the Tobacco Monopoly.

The tobacco industry is one of the old industries in Syria, however, its output was neither sufficient nor of acceptable quality. Thus, a strategy was adopted in the Third Plan to expand production capacity of high quality cigarettes by constructing a new plant which would utilize a higher percentage of Syrian grown tobacco in the manufacturing process. The plant would have a production capacity of 2,100 tons annually, and would employ 46 workers. Capital investment was estimated at SL 12.5 million. Production was expected to start in 1974. The other projects of the tobacco monopoly are shown in Table IV-11.

Table IV-11 Planned Investments in the Tobacco Monopoly in the Third Five Year Plan

Project	Investment SL million
Construction of a New Cignrette Plant	12.5
Construction of a Plant Building in Lattakia	4.5
Modernisation of the Aleppo Plant	3.5
Construction of warehouses in Jablah & Lattakia	6.0
Acquisition of Equipment and motor vehicles	10.0
Total	36.5

Source: Third Five Year Flan, Ihid., p. 70.

Investment Programme of the Union of Textile Industries.

Textile is one of the oldest branches of industry in Syria. The development and expansion of this industry took a high priority in the Third Five Year Plan by allocating SL 253.2 million to it, or about one fourth of the total investment in manufacturing industry. Compared with the Second Plan this investment represented a six fold increase. The investment program of the Union of Textile Industries is presented in Table IV-12.

It can be seen from the Table that the Textile Union was allocated SL 204 million for 20 new projects, and SL 49 million for replacement investment and old debts. The underlying objectives of this investment program was to expand the weaving and knitting capacity in a way that will increase the degree of local processing in the industry. More specifically, the strategic objective was to use more of the Syrian ginned cotton and wool to convert to fibers. This has the dual advantage of substituting for the imports of fibers, and of getting higher price for the exported surplus than would be the case when exporting raw cotton and wool. A brief description of the Textile projects is in order.

<u>Pibre-Textile Projects</u>: The purpose of these projects was to expand <u>nine</u> of the existing textile establishments by adding 151,000 spindles and looms for the manufacturing of ootton and wool fibers and textiles. These projects would utilize 275,000 tons of Syrian ginned ootton to produce 22,000 tons of fiber, and would also use 100,000 tons of wool. The projects were estimated to cost S5 160 million and to employ 3,564 employees.

<u>Mearine Apparel and Underwear Project</u>: This project represented a major expansion of Al-Shark Underwear Co. Its purpose was to establish a wearing apparel manufacturing unit, and to double the Company's underwear output. The combined cost of the two projects was estimated at SL 23.6 million.

Pr	oject	Investment SL Million
Cer	rover projects	48.8
1.	Replacement Investment	35.0
2.	Previous debts	13.8
New	Projecte	204.4
1.	Expansion of Home Co. by 30,000 ootton spindles and 500 cotton looms	36.8
2.	Expansion Al-Shahba Co. by 15,000 spindles	10.3
3.	Expansion of Hama Plant by 30,000 cotton spindle	20.7
4.	Wool washing project	4.0
5.	Expension of wood spindles of Modern Industries Co.	13.1
6.	Wool spindles of United Commercial & Industrial Co.	3.1
7.	Expansion of National Co. by 5,000 wood spindles	5.9
8.	A new unit in Damascus consisting of 500 cotton spindles	14.9
9.	Expansion of Modern Co. by 60 looms	4.7
10.	Wool rugs project	2.3
11.	Expansion of Silk Rug Co. by 4 looms	0.7
12.	Repansion of Mylon Fiber & Stocking Co.	5.6
13.	Construction of the Wool Blankets Establishment	1.5
14.	Spare parts unit in Damascus	2.4
15.	Underwear Project of Al-Shark Co.	13.7
16.	Spare parts unit in Aleppo	2.4
17.	Wearing Apparel Unit at Al-Shark Co.	9.8
18.	Experimental Design & Test of Chemicals Centre	0.4
19.	Quality Control Centre	1.5
20.	Construction of two units with 35,000 spindle each in Mdlib and Der Al-Zore	50.1
101	AL A + B	253.2

Table IV-12	Planned	Investment	in t	the	Union o	ſ	Textile	Industries
		in the	Thi	ird	Five Ye	E.I	Plan	

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Source: Third Pive Year Plan Ibid., pp. 61-62

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The wearing apparel project was the first attempt to introduce this industry into Syria on a large scale. The project would use 31,100 tons of different types of textiles to produce 325,000 dozens of olothing. It was estimated to cost SL 10 million, and employ 1,500 workers.

The underwear expansion project would use an additional 1,000 tons of cotton to produce 60,000 dozens of underwear, thus contributing to an increased utilization of Syrian ginned cotton. The project was estimated to cost SL 13.7 million and to employ 360 workers.

Expansion of the Nylon Fibers and Stocking Co.: The project involved the expansion of the Company's Mylon fiber plant for the purpose of transforming 630 tons of woolen-nylon fiber into 600 tons of nylon polyester fiber. It was expected that 200 tons of the output will be exported. The project was estimated to cost SL 5.6 million and to employ 102 workers.

Investment Programme of the General Commission for Cetton Ginning and Marketing.

The General Commission for Cotion Ginning and Marketing was allocated SL 51 million for modernizing two existing mills and the construction of <u>two</u> May mills which utilize the saw-type ginning technology. The new technology was supposed to lower the cost of ginning and to make the output more suitable for the meeds of the local textile industry and for the export market demand. The expansion of the cotton ginning production capacity had become essential to cope with the planned expansion in the textile industry. The production capacity of the new mills would be 90,000 tons of ginned cotton annually. The mills would provide employment for 105 worke s.

Investment Programme of the Union of Engineering & Chemical Industries.

The union of Engineering and Chemical Industries was allocated SL 270 million, the largest investment allocation of any of the other public sector organisations. However, 75 per cent of this amount (SL 203 million) went to carryover projects and replacement investment. New projects which were 20 in number received SL 66.8 million. The detailed list of the projects and their corresponding investment allocations are presented in Table IV-13.

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]	Project	Investment SL 19211.100
A.	Cam	vover projecta	203.3
	1.	Expansion & Replacement investment	42.1
	2.	Developing Syrian Batteries Co.	2.5
	3.	The Three Cement Plants Project	150.0
	4.	Bicycle Tyres Project	3.5
	5.	Decoy nets project	2.0
	6.	Batteries Plant Project	1.0
	7.	Aleppo Tannery Project	1.8
	8.	Plastic Machinery Project	0.3
B.	New	Projecta	66.8
	1.		2.4
	0	refrigerators	2.4 3.7
	2.	Developing Barada Refrigerators Plant	1.2
	3.	Polyestercen Project	1.0
	4. 5.	Refrigerators radiators Developing existing cables plant	4.0
	5. 6.	Developing Household Appliances Plant	1.0
	7.	Reneval of Kleenex Plant Machinery	1.0
	8.	Metal Structures Projects	5.5
	9.	Expansion of Matches Plant	2.5
	10.	Expansion of Paints Co.	0.6
	11.	Developing Al-Hasr TV Co.	3.0
	12.	Expansion of Wood Plant - Lattakia	1.0
	13.	Expansion of Drugs Co.	2.0
	14.	Plastic Machinery	4.0
	15.	Developing the Glass Plant	24.0
	16.		1.1
	17.		0.7
	18.	•	2.5
	19.	• •	4.5
	20.	• • •	1.0
c.			270.1

 Table IV-13
 Planned Investment in the Union of Engineering and Chemical Industries in the Tidrd Five Year Plan

Source : Third Five Year Plan, Ibid., pp. 65-64.

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The investment program was basically to develop existing establishments in this industry for the purpose of increasing cutput, raising efficiency, improving the quality of output, and increasing the degree of local manufacturing. This last purpose was especially relevant in the household appliances industry, where the plan made attempts to have more of the refrigerators component be manufactured locally. The two real big projects of the Union of Engineering and chemical Industries were the three new cement plants and the modernization of the glass company. A brief description of these two projects is in order.

The Three Cement Plants Project: The decision to build three new cement plants was made during the implementation of the Second Five Year Plan, although the project was not initially included in the plan. It was the serious shortage of cement which prompted the decision. The Plants were to be located in Musalmia - Aleppo, Kfaryhim - Hama, and Adra - Damascus. The combined production capacity of the three plants was 1.2 million tons annually. The plants were expocted to employ 1,200 workers. The project was estimated to cost SL 574 million, and the Third Plan allocated SL 150 million for it.

<u>Developing the Damascus Glass Plant</u>: The glass industry is one of the relatively old industries in Syria. More than 90 per cent of the raw material input for the industry is available locally. Furthermore, the industry benefits from the availability of an abundant supply of akilled and inexpensive labour. Given these favourable conditions for success of the industry, the project aimed at increasing production capacity of glass to 13,500 tons annually, in addition to 2,000 tons of china products. The project was allocated SL 24 million.

Investment Programme of Projects Undertaken by the General Organization for Implementation of Industrial Projects:

The General Organization for Implementation of Industrial Project has played a significant role in the economic and social development of Syria by undertaking to supervise the construction execution of major new industrial projects. In the Third Plan, the organization was allocated SL 102 million for its projects. The distribution of the investment among the projects appears in Table IV-14.

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Implementation of Industrial Project	ts in the Third Five Year Plan
Project	Investment (SL Million)
Nitrogeneous Fertilizer Plant	26.0
Thin Fiber Plant	3.7
Iron Påds Plant	10.4
Electrical Engine Plant	4.5
Cold Storage Warehouses (12 warehouses)	5.3
Grapes Processing Plants (2 Plants)	2.8
Onions & Vegetables Drying Plant	1.2
Phosphate Fertilizers Plant	40. 0
Other	7.8
TOTAL	101.6

Table IV-14	Planned Investment of the General Organization for	
	Implementation of Industrial Projects in the Third Five	Year F

Source: Third Five Year Plan, Ibid., pp. 64-65.

It can be seen from the Table that all the projects are carryover from the Second Plan. Most of these projects have been described before, except perhaps for the Electric Engines Plant which will be described here.

Electric Engines Plant Project: This was initially a standby project in the Second Plan, and it was decided to go through with it during the course of the plan. The plant would produce 65,000 electric engines annually, and was located in Lattakia. The Third Plan allocated SL 4.5 million for its completion.

<u>Tractors and Mechanical Products Company</u>: This project is a Syrian-Spanish joint venture which was started in the Second Plan. The purpose of the project was to assemble tractors and their engines. The project was allocated SL 97 million in the Third Plan.

Investment Programme in the Petroleum Refining Industry:

The Third Plan allocated SL 19 million to industrial projects complementary to petroleum refining. These projects are listed below.

Table IV-15	Planned	Investment	in the	Petroleum	Refining Industry	•
		In the	. Third	Five Yoar	Plan	

	Project	Investment SL (thousand)	
L.	Imported Car Oils Mixing & Canning Plant	1 167	
2.	Barrels Manufacturing Plant	100	
•	Barrels Renewal Plant	35	
•	Lubricants Manufacturing Plant	850	
•	Dioxided Asphalt Production Unit	4 000	
•	Bitumen Asphalt Production Unit	550	
•	Electricity Generating Turbines for the Refinery	6 500	
•	Poluted Water Treatment Unit	3 000	
•	Gasoline Treatment Unit	900	
0.	Construction of Tanks for Asphalt	900	
1.	Construction of Tanks for Putain Gas	900	
	TOTAL	18 897	

Source: Third Five Year Plans, Ibid.

The main strategy behind this investment program was to attain a fully integrated petroleum refining industry. An industry which is capable of producing the country's needs of all oil products including gas, asphalt, oils, lubricants, metal containers, etc. The plan also included a standby project for the construction of a second oil refinery with a production capacity of 2 million tons annually. The project was estimated to cost SL 200 million, but no allocations were made for it.

Industrial Development Programme of the Fourth Pive Year Plan.

Planned public sector investment in manufacturing incustry increased by ten times in the Fourth Five Year Plan to reach an unprecendented figure of SL 10,694 million. A significant propertion of this investment (77 per cent) was allocated to carryover projects from the Third Plan. Thus, for all practical purposes, the Fourth Plan may be viewed as an extension of the

(SL. Million)						
Industrial Organizations	Carryover Projects	Now Projects		Percentage of Total		
Ministry of I dustry		1 6.0	16.0			
Industrial Rescarch & Tests Center	10.1	-	10.1			
Management Development Center	3.0	-	3.0			
Vocational Training	11.0	60.0	71.0	0.7		
General Organization of Food Industry	134.0	29.6	163.6	1.5		
General Organization of Sugar	616.1	1.3	617.4	5.8		
General Organisation of Grain Mills	356.8	15.5	372.3	3.5		
General Organization of Tobacoo	50.5	85.5	136.0	1.3		
General Organization of Textile Industry	1 142.5	85.5 1	228.0	11.5		
General Organisation of Cotton Ginning	65.0	-	65. 0	0.6		
General Organization of Chemical Industry	2 909.3	493.0 3	402.4	31.8		
Homs Oil Refinery	15.1	122.1	137.2	1.3		
Banias Oil Refinery	963.0	87.0 1	050.0	9.8		
General Organization of Blood & Medical Prod	ls	11.5	11.5	0.1		
General Organization of Cemeut	1 095.6	1 475.0 2	2 570.6	24.0		
General Organization of Engineering Industry	r 653.3 g	20.0	673.3	6.3		
Tractors & Mechanical Products Co.	150.0	-	150.0	1.4		
General Organisation for Implementation of Industrial Projects	17.0	-	17.0			
TOTAL	8 192.3	2 502.0	694.	3 100.0		

Planned Public Sector Investment in Manufacturing Industry in the Fourth Five Year Plan Distributed According to Industrial Organizations Table IV-16

Source: Fourth Five Year Plan, Ibid., pp. 59-91.

172.7

502.0 IV 094.7

Third Plan. The industrial public sector had a different organizational structure at the beginning of this plan. The three industrial unions were replaced by six industrial general organizations, as discussed before. The distribution of the planned public sector investment according to the industrial organizations in the Fourth Plan is presented in Table IV-16.

The Table shows that, like all the previous plans, the chemical industry received the largest proportion of the investment funds. Its share in the Fourth Plan amounted to 43 per cent of the total investment in manufacturing industry. The General Organization of Chemical Industries alone was allocated SL 3,402 million, or 32 per cent of the total manufacturing industry investment. Petroleum refining was allocated SL 1,187 million, or 11 per cent of the total. Large investments were also planned in the cament industry which was allocated SL 2,571 million, or 24 per cent of the total investment in manufacturing. The food industry including sugar refining, grain mills and tobacco; and the textile industry including cotton ginning received 12 per cent each of the total investment. The engineering industries received a relatively smaller share of the investment (7.7 per cent) in this plan and was allocated SL 823 million. Furthermore, the Fourth Plan allocated SL 71 million for vocational training, SL 3 million for management training, and SL 10 million for the Industrial Research and Teste Center.

Investment Programme of the General Organisation of Food Industries.

The General Organization of Frod Industries was allocated SL 163.5 million in the Fourt's Five Year Plan. Of this sum, SL 134 million was assigned for the completion of six carry-over projects and for expansion and replacement investment. The Organization had an additional aix new projects which were allocated SL 29.6 million. The distribution of the investment program among projects is presented in Table IV-17. Table IV-17

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Planned Investment of the General Organisation of Food Industries in the Fourth Five Year Plan

	Project	Investment (SI, Million)
۱.	Carry-over projects	133.9
	1. Expansion and replacement	50.0
	2. Damascus Beer Plant	17.3
	3. Al-Mayadine Food Canning Plant	10.4
	4. Al-Hasaka Food Canning Plant	10.4
	5. Edlib Food Canning Plant	12.4
	6. Dara'a Spagetti Plant	8.6
	7. Al-Ghab Dairy Products Plant	25. 0
•	New Projects	29.6
	1. Oil extraction by solvents unit	13.0
	2. Cans Manufacturing Unit - Damascus	4.0
	3. Cans Manufacturing Unit - Edlib	5.0
	4. Equipment for Drying Potatoes & Vegetables	- Al-Salmiya 2.0
	5. Expanding Al-Shark Beer Co Aleppo	1.6
	6. Oil Containers Manufacturing Unit	4.0
•	TOTAL A + B	153.5

Source: Fourth Pive Year Plan, Ibid., p. 60.

The main objective of the food industry programme appear to have been the expansion in food comming and preserving which utilines agricultural output and has an export potential. Thus, the plan included the construction of three food comming plants and two cans manufacturing units. The food preserving projects and the spagetti project will be described below.

The Food Commins and Preserving Plants Project: Three food canning plants were to be established in Al-Mayadine, Al-Masakah and Mdlib with a combined production capacity of 11,000 tons annually. Al-Mayadine and Al-Masakah plants would have a capacity of 5,000 tons each annually, while the Mdlib Plant will have a production capacity of 5,000 tons. The capital investment required for the three plants was estimated at SL 60 million, and were allocated SL 33 million. These plants would employ 242 workers.

The Supertil Plant Project: This plant was to be established in Dars's with a production capacity of 4,000 tons annually. It was estimated to cost SL 12 million and was allocated SL 8.6 million. It would employ 100 workers.

Investment Programme of the General Operation of Super: The Organization was allocated SL 617 million investment in <u>siz</u> carryover projects and <u>one</u> new project. The bulk of this investment was to be spent on the sompletion of four new sugar refining plants as can be seen from Table TV-18.

The investment was to expand this industry with the purpose of reaching self-enfliciency in this essential food stuff. A brief description of the projects is in order.

<u>Baser Refining Plants Projects</u>: The project aimed at the construction of four sugar refining plants with a production capacity of 50,000 tons annually for each in Al-Rakkah, Maskanah, southern Al-Ghab, and Der Al-Sor. The four plants were estimated to cost \$L 793 million, and were allocated \$L 568 million. How employment was estimated at 2,000 workers.

2	roject	Investment SL Hillio
. <u>Cer</u>	ryover Projecte	616.1
1.	Expansion and replacement	42.1
2.	Sugar Refinery Plant - Al-Rekkah	169.7
3.	Al-Thewrah Sugar Refinery - Maskana	167.0
4.	Southern Al-Ghab Sugar Refinery	167.0
5.	Der Al-Zor Sugar Refinery	64.4
6.	Yeast Manufacturing Plant in Home	4.6
7.	Organisation Offices	1.4
	Protecte	يتعل
8.	Project for the Production of dry yeast feed	1.3
. 101	AL A + B	617.4

Table IV-18	Planned Investment	of	the General	1 Organisation	of	Sugar	in
		the	Joarth Pi	ve Year Plan		-	

Source : Fourth Five Year Plan, Ibid., p. 66.

Investment Programme of the General Organisation of Gasin Miller

The Organisation was allocated SL 372 million. Primarily for the completion of its projects from the Third Plan. These projects included the construction of four new mills, the modernisation of mine old ones, and the construction of 15 warehouses.

Investment Programme of the General Opennization of Tobeseo: The tobesoo industry was allocated SL 176 million distributed as follows:

Project	Investment (SL Million)
Carrover mojects	50.5
1. Lattakia New Cigarettes Flan	43.0
2. Jablah Warehouses	7.5
New Projects	<u>85.5</u>
1. Demascus Cigarettes Plant and Warehouses	65.0
2. Tartous Varshouses	15.5
3. Hotor Vehicles	,5.0
TOTAL A + B	136.0

Table IV-19 Planned Investment of the General Organisation of Tobacco in the Fourth Five Year Plan

Source: Fourth Five Year Plan, Ibid., p. 117

Invertment Programme of the General Organization of Textile Industries: The General Organisation of Textile Industries was allocated SL 1,228 million for 23 projects. Of these projects, 20 were carryover from the Third Plan and were allocated the bulk of the investment, or SL 1,143 million. Of the three new projects, the major project was the construction of a fibers plant in Hellib which will operate 75,000 spindles. It was allocated SL 71.5 million. The distribution of the investment emong the various projects is shown in Table IV-20.

An examination of the Table reveals that the investment pattern in this industry remained as it was in the Third Flam. However, one may observe the increasing emphasis placed on the vearing apparel industry with two plants being constructed in Aleppo, one for men's apparel and one for Vomen's apparel, in addition to the expansion of the Damasous plant. This reflects a policy of producing rendy-made electhing on a large scale with the objective of reaching self-sufficiency in clothing products. A brief description of the main projects is in order. <u>Expansion of Homs Company</u>: The purpose of the project was to expand the Home Company by 37,000 spindles with a production capacity of 7,563 tons of fibers spinning annually. The project cost was estimated at SL 110 million and was allocated SL 75.5 million. The project will provide employment for 876 workers.

<u>Construction of Fibers plant in Der Al-Zor</u>: The project aimed at the construction of a fibers plant at Der Al-Zor with 37,000 spindles that can produce 7,563 tons of fibers annually. The project cost was estimated at SL 110 million, and was allocated SL 74.5 million in the plan. The project would provide employment for 1,099 workers.

<u>Construction of a Thin Fibers Flant at Billib</u>: The purpose of the project was to construct a thin fibers plant at Billib with 20,000 turbine spindles. Production capacity would be 10,620 tons of thin fibers annually. The project was estimated to cost SL 160 million, and was allocated SL 149 million. The project would employ 1,160 workers.

Lattakia Textile Unit: The project aimed at the construction of a textile unit in Lattakia which can produce 20 million meters of textils annually. The project cost was estimated at SL 102 million, and was allocated SL 97 million. The project would employ 616 workers.

<u>Construction of Fibers Plant at Al-Hasskah</u>: The purpose of the project was to construct a fibers plant at Al-Hasskah with 75,000 spindles. The plant would produce 13,700 to us of fibers annually, and provide employment for 2,150 workers. The project cost was estimated at SL 175 million, and was allocated SL 165 million.

<u>Construction of Fibers Plant at Der-Al-Zor</u>: The purpose of the project was to construct a fibers plant with 75,000 spindles at Der Al-Zor. The plant would produce 13,700 tons of fibers annually, and would employ 2,150 workers. The project was estimated to cost SL 71.5 million, and was allocated SL 71.5 million.

	roject	Investment (SL Million)
Car	rrover wrojecte	1 142.5
1.	Expansion & replacement	165.0
2.	Expansion of Home Co. by 37,000 spindles	75.5
3.	Construction of a plant with 37,000 spindles at Der Al-Sor	74.5
4.	Wool washing plant - Hama	27.4
5.	Reportmental Design Centre - Demoscus	15.0
6.	Repansion of Underweer Plant - Demoscus	20.4
7.	Repansion of wearing apparel plant - Damagous	25.1
8.	Repansion of Mylon Stockings Co Demascus	10.0
9.	Construction of plant with 20,000 cotton spindles at Hdlib	149.0
10.	Lattakia Textile Unit	97.3
n.	Construction of Plant with 75,000 spindles at Al-Hasakah	165.2
12.	Construction of plant with 75,000 spindles at Der-Al-Sor	71.3
13.	Repansion of National Company of Aleppo by 10,000 spindles	40.0
14.	Repansion of Modern Industries Co Demascus by 60 wool lo	cms 9.7
15.	Repension of Thin Fiber Plant - Heme.	10.3
16.	Installation of 75,000 spindles of Jablah	80.7
17.	Wool Ruge Plant - Al-Sumidah	14.0
18.	Women Wearing Apparel Unit - Aleppo	52. 0
19.	Non Wearing Apparel Unit - Aleppo	41.4
20.	Spinning Waste Flant - Aleppo Spinning Wheels	15.0
Ņ .	Wool Rags Plant - Aleppo	3.8
Jay.	Projecte	25.5
1.	Installation of 75,000 spindles at Bdlib	71.5
2.	Spare parte unit - Demascus	6.5
3.	Spare parts unit - Aleppo	7.5
Tof	n] A + B	1 226.0

Table IV-20	Planned Investment of the General Organization of Textile Industries in the Fourth Five Year Plan
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Same: Fourth Five Year Plan, Ibid., pp. 63-64.

Expansion of National Company of Aleppo: The purpose of the project was to expand the National Company of Aleppo by 10,000 wool spindles which would produce 1,900 tons of wool fibers annually and employ 275 workers. The project was estimated to cost SL 50 million, and was allocated SL 40 million.

<u>Construction of Pibers Plant at Jablah</u>: The project aimed at the construction of a fibers plant with 75,000 spindles at Jablah. The plant would produce:11,000 tons of fibers annually, and would employ 2,052 workers. The cost estimate for the project was SL 203 million, and was allocated SL 81 million.

Construction of Wool Russ Plant at Al-Suveidah: The purpose of the project was to construct a plant at Al-Suveidah that would produce 195,000 n^2 of wool rugs annually and employ-176 workers. The project cost estimate was SL 35 million, and was allocated SL 14 million.

<u>Women's Wearing Apparel Unit (Aleppo)</u>: The project aimed at constructing a women's clothing manufacturing unit at Aleppo, which can produce 630,000 pieces annually and employ 852 workers. The project was estimated to cost SL 35 million, and was allousted SL 32 million.

<u>Men's Veering Annarel Unit (Alenno):</u> The project aimed at constructing a men's clothing manufacturing unit at Aleppo to produce 630,000 pieces annually and employ 852 workers. The project was estimated to cost SL 46 million, and was allocated SL 41 million.

<u>Fibers from Waste Plant (Aleppo):</u> The project aimed at the construction of a plant at Aleppo which will transform fiber waste into 2,000 tons of fibers annually. The project cost was estimated at SL 18 million, and was allocated SL 15 million. Investment Programme of the General Organization of Cotton Ginning: The Organization was allocated SL 65 million in the Fourth Flan primarily for the completion of projects started in the Third Flan. The distribution of the investment among projects is shown in Table IV-21. The investment strategy in this branch of industry remained as it was in the Third Flan, namely, modernizing the industry and expanding its production capacity.

Table IV-21	Planned	Investment	in th	e General	Organisation of	Cotton
		Ginning i	in the	Four Five	e Year Plan	

	Carryover projects	Investment (SL Million)	
1.	Modernisation of Hama Ginning Mill	1.4	
2.	Modernisation of Aleppo Ginning Mill	46.8	
3.	Construction of Saw-Type Ginning Mill, Edlib	6.7	
4.	Construction of Saw-Type Ginning Mill, Al-Hasakah	10.0	
	TOTAL	65.0	

Source: Fourth Pive Year Plan, Ibid., p. 117.

Investment Programme of the General Organization of Chemical Industries: By far, the largest amount of investment in manufacturing industry was allocated to the General Organization of Chemical Industries, which had 18 projects. Of these projects, only two were new and the remainder were carryover projects. The new projects were allocated SL 493 million and the carryover project SL 2,909 million. It should be noticed, however, that some of these projects are perhaps the biggest industrial projects ever constructed in Syria. For as it can be seen from Table IV-22 below, just five of these projects (e.g. the two phosphate fertilizers plants, the amonia urea, the paper, and the tyres plant) accounted for 78 per cent of the investment.

	Project	Investment (SL Million)
A. <u>C</u>	rrvover projects	2 909.4
1	. Expansion and replacement	60.0
2	. Damascus leather Tanning Centre	22.9
3	Aleppo Tannery	52.0
4	. Aleppo Glass Plant	142.0
5	. Electric Lamps Plant (Aleppo)	77.0
6	Damascus Detergent Plant	59•3
7	. Triple-super-phospiate Plant (Homs)	741.7
8	. Amonia Urea Fertilizer Plant (Homs)	737.5
9	. Paper Plant (Der Al-Zor)	339.2
10	. Baby Food Plant (D _{gmascus})	16.3
11	. Tyres Plant (Hama)	379.7
12	. Four Footwear Plants (Damascus, Suwaida, Nabik, Misiaf)	66.9
13	. Developing Damascus Glass Plant	158.3
14	. Developing Damascus China Products Plant	3.6
15	. Developing Arab Drugs Company - Damascus	6.0
16	. Developing Paints Company - Damascus	30.0
17	. Developing National Rubber Company	17.0
B. <u>ile</u>	<u>projects</u>	493.0
1.	Triple-super-phosphate Plant - Der-Al-Zor	450. 0
2.	Damascus Cow Leather Tanning Plant	43.0
С. Т	otal A + D	3 402.4

Table IV-22	Planned	Investment of	the	General	Organiz	ation of	Chemical
		Industries	in t	he Four	th Five	Year Pla	n

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Source: Fourth Five Year Plan, Ibid., p. 62-63.

Analysis of the investment program shown above reveals the following: First, a strong emphasis was placed on developing the fertilizers industry as evidenced by the construction of three fertilizer plants in addition to the nitrogenous fertilizer project which was completed in the Third Plan. This reflects the dual strategy of producing all the fertilizers requirements of agriculture and of exploiting and processing the country's mineral resources (e.g. phosphate in this case). Second, there was a tendency in the plan to modernize and expand, what might be considered, traditional industries in Syria such as leather tanning and glass. These industries rely on local material input sources and have a promising export. potential. Thus, the leather tanning industry was allocated SL 118 million, and the glass inlustry SL 304 million. Third, the investment program included also the establishment of completely new industries such as paper, tyres, footwear, and electric bulbs manufacturing. A brief description of the major projects is in order.

<u>Amonia-Urea Fertilizer Plant Project:</u> The purpose of the project was to produce 300,000 tons of amonia and 315,000 tons of urea fertilizers annually. Total cost of the project was estimated at SL 1,000 million, and was allocated SL 737.5 million in the Plan. The project would employ 996 workers and was located i. Homs.

<u>Triple-super-phosphate Plant Project</u>: The plant's production capacity was increased to become 450,000 tons of triple-super-phosphate fertilizer annually. Total cost of the project was estimated at SL 800 million, and was allocated SL 741.7 million in the Plan. The project would employ 851 workers and was also located in Homs which has emerged as the petrochemical industry centre of the country.

<u>Tyres Plant Project:</u> The project was designed to produce 460,000 oar tyres, 720,000 tubes, and 220,000 bicycles and motorcycles tyres. Total cost of the project was estimated at SL 80 million and was allocated SL 77 million. The project would employ 598 workers and was located in Aleppo. <u>The Four Footwear Plants Project</u>: The purpose of the project was to construct four footwear plants in Damascus, Suwaida, Nabek, and Misiaf with a combined production capacity of 4.2 pairs of shoes. The project cost was estimated at SL 80 million and was allocated SL 67 million. The project would provide employment for 2,000 workers.

Investment Programme in the Petroleum Refining Industry:

Petroleum refining was allocated SL 1,187 million in the Fourth Plan. Of this sum, SL 137 million was allocated to projects related to the Homs Oil Refinery and SL 1,050 million for the construction of the new Banias refinery. The distribution of the investment among projects is presented in Table IV-23.

Analysis of the projects in the Table indicates no change in the investment strategy in this vital industrial branch. One may observe, however, the expansion of the petroleum refining capacity by building a new refinery which utilizes a much higher percentage of Syrian crude oil than the Homs Refinery. The output of this refinery would be used to meet the growing local demand for petroleum products and for exports. The description of the main projects is in order.

<u>Gasoline Improvement Unit (Homs Refinery)</u>: The project aims at the installation of a gasoline improvement unit which produces 333,000 metric tons annually of 95-96 octan gasoline. The project cost was estimated at SL 100 million, and the Plan allocated SL 61 million for it.

<u>Asphalt Production Unit (Homs Refinery)</u>: The project aims at refining 200,000 tons annually of the heavy Syrian fuel to produce 120,000 tons of asphalt. The project cost was estimated at SL 31 million, and was allocated SL 20 million in the plan.

Project	Investment (SL Million)
. Home Petroleum Refinery	<u>137.2</u>
Carryover Projects	
1. Closed circuit Project	3.1
2. Expanding storage capacity for Car Oils Mixing Plant	
3. Reconstruction of the Refinery	5.0
4. Fractionating Unit	6.0
Total carryover projects	15.1
New Projects	
1. Polluted Water Treatment Unit	38.6
2. Nitrogen Production Unit	1.7
3. Gasoline Improvement Unit	60.8
4. Asphalt Production Unit	20.0
5. Studies of Car Oils Production Unit	1.0
	122.1
B. Benias Petroleum Refinery	1 050.0
1. Construction of Refinery (carryover)	963.0
2. Providing Refinery with Al-Sin River Water (new)	50.0
3. Polluted Water Treatment Unit (new)	25.0^
4. Workers Housing Project (new)	12.0
C. Total for Petroleum Refining	1 187.2

Table IV-23Planned Investment in the Petroleum Refining Industry
in the Fourth Five Year Plan

Source: Fourth Five Year Plan, Ibid., 69-70.

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Banias New Petroleum Refinery: The project aims at the construction of a new petroleum refinery at the coastal city of Banias with a refining capacity of 6 million tons of crude petroleum annually. The crude used will be half Syrian and half imported crude. The project was estimated to cost SL 1,258 million, and was allocated SL 1,050 million in the Plan.

Investment Programme of the General Organization of Genent Industries. The shortage of cement has been one of the major problems impeding the

execution of economic development projects in Syria. To remedy this problem, the Third Five Year Plan made allocations for the construction of three plants. However, during the implementation of the plan and as the shortage of cement was getting worse, it was decided to build two more plants at Tartous and Shik Saied. In the Fourth Plan, it was decided to build an additional five plants. Thus, the Fourth Plan allocated SL 2,571 million, or about one fourth of the total investment in manufacturing industry, to the cement industry. The distribution of this investment among the projects is shown in Table IV-24.

It can be seen from the Table that the plan allocated SL 2,451 million for <u>ten</u> new cement plants. The plants have a combined production capacity of 3.66 million tons annually. When this is added to the production capacity of the existing four cement plant, total cement production capacity of the country would reach 4.4 million tons annually in 1982. The plan also aimed to expand the production of other building materials such as porcelain and sanitary equipment. A brief description of these projects is in order.

<u>First and Second Tartous Cement Plant:</u> The Tartous Cement Plant was a carryover from the Third Plan. In the Fourth Plan, it was decided to expand it such that it would operate four production lines with a production capacity of 1,600 tons daily each. The project was estimated to cost SL 754 millions, and it was allocated SL 728 million. The project would employ 2,000 workers.

Project		Investment (SL Million)	
L.	Carryover projects	1 095.6	
	1. Expansion and replacement	21.0	
	2. The Three Cement Projects at Musalmia, Kfray and Adra	him 217.5	
	3. Tartous First Cement Plan	353.1	
	4. Shik Saied Cement Plant	405.0	
	5. Porcelain Plant - Hama	9.0	
	6. Bathroom Accessories (sanitary equipment)	35.0	
	7. Aleppo Asbestos Plant	55.0	
B.	New projects	1 475.0	
	1. Tartous Second Cement Plant	375.0	
	2. Musalmia-Aleppo Second Cement Plant	150.0	
	3. Al-Rastan Cement Plant	200.C	
	4. Adra Second Cement Plant	350.0	
	5. Aleppo New Cement Plant	400.0	
c.	Total A + B	2 570.6	

Table IV-24	Planned Investment of the General Organisation Cement
-	Industries in the Fourth Five Year Plan

Source: Fourth Five Year Plan, Ibid., 65-66.

Shik Saied Cement Plant: The plant would operate two production lines with daily capacity of 1,500 tons each. The project would employ 750 workers. The Project was estimated to cost SL 425 million, and was allocated SL 405 million.

Second Musalmia Cement Plant: This plant has one production line with a capacity of 1,000 tons daily. It would employ 350 workers. The cost of project was estimated at SL 150 million.

<u>Aleppo Asbestos Plant</u>: The purpose of this project was to manufacture 21,000 tons annually of asbestos pipes, and employ 207 workers. The project cost was estimated at SL 70 million, and was allocated SL 55 million for completing it.

The Porcelain Plant: The purpose of the project was to produce 30 million tiles annually and employ 207 workers. The project cost was estimated at SL 22 million, and was allocated SL 9 million for completing it.

<u>Bathroom Accessories Project</u>: The project would projuce 5,000 tons annually of sanitary equipment and employ 354 workers. The cost of the project was estimated at SL 25 million, and was allocated SL 35 million for completing it.

Investment Programme - General Organization of Engineering Industries: The General Organization of Engineering Industries operates nine establishments which produce a wide spectrum of products. The product line includes household electrical appliances, television and telephone sets, cables, basic metals, electrical engines, plywood, matches, pencils, structural metals, paper tissues, car batteries, etc. The Organization was allocated SL 653 million for the completion of its projects from the Third Plan. The distribution of the investment among the projects is shown in Table IV-25.

	Project	Investment (SL Million)
., <u>Car</u>	rrover projects	653.3
1.	Expansion and replacement	60.0
2.	Aleppo Cable Plant	98 .0
3.	Scrape Metal Melting Plant	147.0
4.	Metal Pipes Plant	42.0
5.	Aluminium Sections Plant (Lattakia)	29.0
6.	Pencils Plant construction and expansion	9.8
7.	Battery boxes plant (Aleppo)	13.0
8.	Developing Barada Company Plants	102.0
9.	Developing Demascus Cable Plant	15.0
10.	Developing Syrian Electronics Company	50.0
11.	Developing Kleenex Company	3.0
12.	Developing Wood and Matches Company	23.0
13.	Developing Electric Engines Company	30. 0
14.	Developing Metal Structures Company	31.5
B. <u>Her</u>	v projecte	<u>20.0</u>
1.	Baky Toys plant	20.0
C. Tot	tal A + B	673.3

Table IV-25	Planned Investment in the General Organisation of
	Engineering Industries in the Fourth Five
	Year Plan

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Source: Fourth Five Year Plan, Ibid., 61-62.

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The investment strategy in the Organisation of Engineering Industries stressed the development of heavy industry in Syria. Thus, a substantial investment was made to expand the iron rcds plant by adding a scrap iron melting unit and a unit for manufacturing metal pipes. A second strategy was to expand the production capacity of other products and also introduce new products such as colored TV, TV tubes, electric engines, pencils, plastic matches, battery boxes, etc. A brief description of the projects is in order.

<u>Aleppo Cables Plant</u>: The project aimed at the construction of a cables plant in Aleppo which would produce 2,500 tons of copper cables and 4,000 tons of aluminium cables annually. The plant would employ 1,018 workers. The project cost was estimated at SL 131 million, and was allocated SL 98 million for completing it.

<u>Developing Demascus Cables Plant</u>: The project aimed at expanding the production capacity of the Damascus copper cables plant by 5,000 tons annually at a cost of SL 45 million. The plan allocated SL 15 million for completing the project.

<u>Aluminium Sections Plant</u>: The purpose of the project was to build a plant at Lattakia which will produce 400 tons of aluminium sections and employ 155 workers. The project cost was estimated at SL 45 million, and was allocated SL 29 million for completing it.

Scrap Iron Melting Plant: The purpose of the project was to construct a scrap iron melting plant at the iron rods factory with a production capacity of 120,000 tons of pellets. The plant would employ 388 workers. The cost of the project was estimated at SL 215 million, and was allocated SL 147 million for completing it.

<u>Metal Pipes Plant</u>: The purpose of the project was to construct yet another plant at the iron rods factory to produce 20,000 tons of metal pipes annually. The plant would employ 104 workers. The project was estimated to cost SL 58 million, and was allocated SL 42 million for completing it. <u>Developing the Structural Metal Company</u>: The purpose of this project was to develop the structural metal company of Adra, Danasous, by expanding its production capacity of household and industrial boilers and tanks, expanding its machine tool workshops, and constructing a body workshop for buses. The project was estimated to cost SL 69 million, and was allocated SL 31.5 million for completing it.

<u>Developing Barada Household Appliances Company</u>: The purpose of the project was to expand the production capacity of Barada Households Appliances Company to 200,000 refrigerators annually. The project was estimated to cost SL 125 million, and was allocated SL 102 million to complete it.

<u>Battery Boxes Plant</u>: The purpose of the project was to construct a plant in Aleppo to manufacture battery boxes with a capacity of 150,000 boxes annually. The project cost was estimated at SL 16.4 million, and was allocated SL 13 million for completing it. The plant would employ 40 workers.

<u>Developing Syrian Electronics Company</u>: The project aimed at developing the Syrian Electronics Company with the purposes of increasing the degree of local manufacturing of TV components and for assembling colored TV sets in addition to black and white TV. Thus the plan included the following projects: two workshops for manufacturing plastic and metal TV components, a plant in Aleppo to manufacture TV tubes, and a plant to produce styropore to be used in the packaging of finished TV sets. Furthermore, the plan aimed to raise production oapacity to 200,000 units of black and white TV sets and 50,000 units of colored TV. The project was estimated to cost SL 77 million, and was allocated SL 50 million for completing it.

<u>Developing the United Arab Company for Matches and Plywood</u>: The project aims at developing the company by expanding its plywood production capacity, expanding and diversifying its matches product line, and building a plant to manufacture pencils. The plan allocated SL 23 million for the completion of these projects. The pencils plant would have a capacity to produce a minimum of 25 million pencils. The project was estimated to cost SL 21.5 million and to employ 80 workers.

The expansion of the matches production involved the addition of new product lines which would produce 720 gross of plastic box matches and 3,600 gross of carton box matches per shift. The expansion program also included the acquisition of complementary equipment for wood cutting, carton cutting, and printing. The project cost was estimated at SL 41 million, which also included a production line for covering plywood with plastic foils.

<u>Developing the Kleenex Company</u>: The purpose of the project was to diversify output of the Company by adding new product lines to manufacture baby mapkins and pocket tissue packs. The project cost was estimated at SL 5 million, and was allocated SL 3 million for completing it.

Industrial Development Plans:

The implementation of the industrial development has generally lagged, sometimes drastically, behind the planned performance an measured by the rates of financial expenditure and the speed of execution of the industrial projects. Furthermore, implementation performance exhibited a wide variation from one plan to another as can be seen from Table IV-26. The present statistical data pertaining to final appropriations, actual investment expenditures and rates of financial spending for the public sector's industrial organisations in each of the four Economic Development Plans.

Analysis of the data presented in Table IV-26 reveals a number of significant points about the performance of industrial plans over the period 1960-1977 in Syria. First, except for the First Plan, final appropriations for the public sector industrial enterprises have exceeded hee planned investment figures. More specifically, final appropriations in the Second and Third Plans have exceeded planned investment by 76 and 196 per cent, respectively. In the Fourth Plan, final appropriations for the first two

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		Mrst M. 1960/61	Nve Year Jaan /61 - 1965	J.m.	Sec	Second Pive Year 1966-1970	Nve Year 2 mail	~
	Party -		Lo tuel experie	lotual Rate of super-exper-	Final 5 of appro- afg.	4 6 6	Ao tual exper-	Etto of
Mailetry of Industry	28.0	22.7	10.5	37.5				
Yoostional Training	10.5	8.5	5.9	61.0	2.8			
Industrial Research & Tests Centre	1.3	1.0	•	61.0	9.3		7	1.14
Management Development Centre	0.3	1.0	6		4.6			
General Organisation of Tood Industrias	6-9	5.6	2.7	1.6ť	62.0	8.8	Ъ	82.2
General Organisation of Bugar Industries								
General Organisations of Grain Mills	5.7	4.6	0.7	12.3	23.0	3.3	19	82.6
General Organisations of Tobacco	13.2	10.7	9•5	72.0	5.0	0.7	r	60.0
General Organisations of Textile Industries					27.0	3.8	33	122.0
General Organisations of Cotton Ginning					26.0	3.7	2.	92.3
General Organisations of Regineering Industries					26.0	3.7	&	0.111
General Organisations of Chemical Industries								
General Organisations of Cement Industries								
General Organizations for Implementation of Industrial Projects	45-4	36.8	9-8	2.0	344-0	49.1	50 8	83.7
Ruphretus Treotors Company								
Home Oil Refinery	7.4	6.0	2.4	32.4	165.0	23.5	161	91.6
Renies Oil Refinery								
General Organisation of Defence Industries	4-5	3.6	0•5	0.11	6.0	0.8	ŝ	83.3
General Organisation of Blood & Medical Industries	I	1	ı		I	ı	1	ı

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Table IV-26 Final Appropriations and Actual Investment Rependitures of the Public Sector

years of the plan amounted to 50 per cent of the planned investment figure for the entire plan. However, in the first Plan final appropriations were 40 per cent below the planned investment.

Second, the rate of actual expenditures to final appropriations in the public sector manufacturing industry has been very low in the First and the Third Plans in comparison with their level in the Second Plan and the first two years of the Fourth Plan. Thus, despite the fact that final appropriations in the First Plan were 40 per cent below the planned investment the rate of actual expenditures amounted to only 34 per cent of the final appropriations. The rate would be much lower, 20 per cent, if compared to the planned investment figure. This implies that the First Plan has failed drastically in achieving its objectives in the manufacturing industry sector of the economy. The rate of expenditures exhibited a significant improvement in the Second Plan by rising to 88.4 per cent. In the Third Plan, it fell to 55.7 per cent. However, it rose again in the First Two years of the Fourth Plan to reach 83 per cent.

Third, over the period 1960-1977, the public sector actual investment in manufacturing industry amounted to SL 6,832 million. Excluding the industrial projects which have been undertaken by the General Organisation for Implementation of Industrial Projects and which fall in different industrial classifications, actual investment in the chemical industry including oil refining has been by far the largest, for it amounted to SL 2,668 million, or 39 per cent of the total. The textile industry including cotton ginning seceived SL 1,304 million or 19 per cent of the total. The food and beverage industry ranked third with an actual investment of SL 909 million, or 13 per cent of the total. The engineering industry came in the last place with an investment spending of SL 635 million, or 9 per cent of the total.

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Fourth, a comparative analysis of the rates of spending of the different public sector industrial organisations shows a wide variation from one plan to another. However, one may observe that the textile industry has been the best performer throughout by recording a rate of spending of 122 per cent in the Second Plan, 91 per cent in the Third Plan, and 118 per cent in the First two years of the Fourth Plan. The food industry rate of spending stayed in in the neightberhood of 62-63 per cent, except in the Second Plan where it was 82 per cent. The rates of spending of the other industrial organisations did not exhibit any stable pattern.

To make the discussion of the implementation performance of the industrial development program more complete, it might be useful to list the industrial projects which have been completed recently. Table IV-27 presents such a list for projects included in the Fourth Five Year Flan, which have been completed and started production in the first three years of the Fourth Flan, namely, 1976-1978.

Infustrial Organization - Projects	Product	Unit	Production Capacity
General Organization of Food Industries			
Yeast Marufacturing Plant in Homa	Yeast	Ton	8 per day
Demascus Beer Plant	Beer	Million Liter	5 annually
Develoyment of #1-Shark Food Products Co.			
Derse Spagetti Flant			
Expension of Demascus Dairy Products Plant			
General Creanization of Sucar			
Raithe Sugar Plant			
Maakanah Sugar Flant			
General Organization of Tobacoo			
Lettakia Cigarettes Plant	Cigarettes	Ton	1 208 per day
General Organization of Grain Mills			
18 Warehouses through the country			
General Organization of Textile Industries			
Errunsion of Hame Fibers Plant	Cotton fibers	Ton	4 000 annually
Exprmsion of United Arab Industrial Co.	Textiles	Nillion meters	20 annually
Centre of Experimental Textile Designs	Experimental design	Thousand m ²	95 enrually
Wool Tugs Flant Aleppo	Wool carpets		
Expension of Mylon and Stockings Co., Demancus	Polyester	Ton	1 400 armually
Expansion of Home Co. by 37,000 spindles	Cotton fibers	Ton	7 563 annually
Wool weshing Plent, Hame	Washed wool	Ton	2 000 ennually
Under sear ilant, Damascus	Underwear	Million pieces	21 annually

Industrial Projects Completed in the First Three Years (1976-1978) of the Fourth Five

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	Table IV-27 (Cont'd.)		
Industrial Organization - Project	Product	Unit	Production capacity
Wearing Apparel Flant, Demascus	Ready-made clothing	Thousand pieces	630 annuelly
Expansion of Modern Co. by 20,000 looms	Hool textile	Ton	260 annuelly
Men's Wearing Apparel Flant, Aleppo			
Women's Wearing Apparel Plant, Aleppo			
Wool Rugs Flant, Suwaidah	4		
Der Al-Zor Plant of 37,000 cotton spindles			
General Organization of Chemical Industries			
Czech Petroleum Refining Unit (Homs Refinery)	Petroleum products	Million tons	1.7 annually
Damascus Leather Tannery	Tanned Leather	litumber	3 000 per day
Aleppo Leather Tannery	Tanned Leather	liumber	2 400 per day
Aleppo Gless Plant	Glass & bottles	Thousand tons	40 annually
Beby Food Plant	Baby foods	ton	1 500 annually
Four Shoes Plants	Shoes	Million pairs	4.2 annually
Chemical Cleaners Plant, Adra	Cleaners	Ton	2 per hour
Nitrogen Production Unit (Home Refinery)			
General Organization of Cement			
Hame Cenent Plant	Cenent	Ton	1 000 per day
Hame Porcelain Plant	Porcelain tiles	Tile	30 million annual
Hama Sanitary Equipment Plant	Bethroom equipment	Ton	5 000 annually
<u>Adra</u> Cement Flant			
Aleppo Asbestos Cement Plant			
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Industrial Organization - Project	Product	Unit	Production Capacity
General Organization of Bucineering Industries			
Penoils Plant, Demascus	Penciks	Million pencils	25 annually
Expansion of Metal Structures Company	Microbus Bodies	Number	4 per day
Colored TV Plant	Colored TV	Thousand units	50 annually
Styropore Plant			
Plastic Matches Flant	N a tches	Gross	720 per shift
Aluminium Sections Flant		Ton	4 000 annually
Development of Kleener Co.	Beby napkine, pocket tissue pecks	Box Tissues packs	536, 226 per shift
Metal Pipes Plant, Hama	Metal pipes	Thousand tons	20 annually
Aleppo Copper Cables Plant			33
Aleppo TV Tubes Plant			_

Table IV-27 (Cont'd)

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State Planning Commission, Follow Up Report of the Investment Plan in the Industry. Mining. Power, and Energy Sectors of the Economy for the Year 1976. ิล Sourcest

State Planning Commission, The Investment Plan in the Industry. Mining. Power, and Energy Sectors of the Economy for the year 1977. 5)

Final Appropriations and Actual Investment Expenditures of the Public Sector Manufacturing Industry Organizations in the Four Five Year Economic and Social Development Plans (SL Million) Table IV.28.

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	T.	First Five Year /Plan	ar Plan		Sec	Second Five,	Five, Year 29lan	a	
	• •	61-19/09	j1€ 2			о 6-Т	-0/61-		
	Huel	g of	Ao tual.	Rate of	Final	% of	Actual	Rate of	
	approp⊷s ráatáons	mfg. total	erpen- di tures	expen- di ture%	approp- riations	total	di tures	di ture%	
Ministry of Industry		22.7	16.5	¥-5 ·					
	10.5	8.5	5.9	61. 0	2.8				
teducted iteration	1.3	1.0	ļ		8- 3		7	41.1	
the state has been a second to the second seco			1		4.6				
General Organization of Food Industries	6.9	5.6	2.7	39.1	62.0	8.8	51	82.2	
General Organization of Sugar Industries									
General Organization of Grain Mills	5.7	4.6	2.0	12.3	23.0	т. М	19	82.6	
forenal (mean! sation of Tobacco	13.2	10.7	9•5	72.0	5.0	0.7	m	60.0	-
demonstration of Tertile Industries					51.0	3.8	33	122.0	134
					26.0	3.7	22	92•3	- 1
General Organization of Cotton International					a/		, S	0.111	
General Organization of Engineering Indus.						-	3	•	
General Organization of Chemical Industries	8								
General Organization of Cement Industries									
General Organization for Implementation of Industrial Projects	45.4	36.8	9.8	22.0	0-246	49.1	288	83.7	
Euphratus Tractors Company					•			5	
Homs Oil Refinery	7.7	6.0	2•4	32•4	165.0	23•5	101	21.0	
Banias Oil Refinery						•	I	, ,	
General Organization of Defense Ind.	4•5	3.6	0.5	11-0	6.0	0.8	Δ	03.3	
General Organization of Blood & 	ı	I	1	1	1	1	1	-	
Total Manufacturing Industry	123.2	100.0	42.0	1.K	102	8	620	88.4	
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Table IV.28. "Continued"

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		Third]	Third Five Year Flan	lan		Fourth	Fourth Five Year 1976-1980	Plan	
	Finit Appropri	% of ∎fg. total	Actual expen- ditimes	Rate of cxpen- ditured	Planned orpan-	a ante tote tote	Final approp-	1	Rate o expen-
Ministry of Industry					16 16	1994 04	1976-11-5	11-9161	
Vocational Training	Ś		4	80.0	11	0.7	21.7	6.1	28.1
Industrial Research & Tosts Contre	13		9	1.01	10		5•8	4.4	75.8
Management Development Centre	I		t		ſ		2.0	0•4	57.1
General Organisation of Food Industries	8	2.9	22	62.2	164	1.5	0.711	14.0	63.2
General Organisation of Sugar Industries	õ	1.0	15	50.0	617	5.7	594.0	1.24.7	83.3
General Organization of Grain Mills	116	3.7	75	64.6	372	3•5	155.8	120.5	E.17 -
General Organisation of Tobacoo	6 7	3.4	82	78.1	136	1.3	54.0	29.2	51
General Organization of Textile Industries	112	15.1	429	91.0	1 264	11.8	624.0	737.5	118.0
General Organization of Cotton Ginning	52	1.7	46	88.4	65		42.0	34.7	82.6
General Organization of Engineering Indus.	318	10.2	178	56.0	673	6.3	382.2	415•6	0.001
General Organization of Chemical Inductries	815	26.1	185	22.7	3 403	31.7	1 659.0	1 358.4	81.9
General Organization of Cement Industries	Зб.	71.7	300	82.4	2 571	24.0	842.0	522.1	62.0
General Organization for Implemontation of Industrial Projects	19	0. 6	15	79-0	17		16.0	7.2	45.0
Euphratus Tractors Company	91	3.1	ŢŢ	17.5	150	1.4	32•0	ı	ŀ
Homs Oil Refinery	201	6.4	181	91.5	137		88.0	54.1	62.2
Banias Oil Refinery	69E	11.8	125	33.8	1 050		6 89 ,5	568.6	82.5
General Organization of Defense Ind.	51	1.6	19	37.2	I	t	1		
General Organization of Blood & medioal industries	I		I	t .	п		18.0	7.4	26.1
Total Manufacturing Industry	3 116 1	100	1 736	55.7	10 730	100	5 343.6	4 433•8	83.0
Sources: 1/ State Planning Commission, Se 2/ State Planning Commission, Th 3/ State Planning Commission, Th Mining, Power and Edergy Sect The figure is for the General	101010101	ond Five Year Annual Natio Annual Follo rs of the Eco Orani sation		& Social mic Plan I rt of the	conomic & Social Development Plan: 1966-1970, p Economic Plan Follow Up Reports of 1970, 197 p Report of the Investment Plan in the Indust W. Posimeering and Chemical Trinstries include	Reports of t Plan in Trdustries	1966-1970, pp. f 1970, 1975. the Industry	a.:: 21	- 1
Coment Industries since they b/ The percentage is for both of	3.4	were not split l refineries.		0 					.35 -

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CHIPTER 7

THE DEVELOPMENT OF SYRIAN MANUFACTURING

Introduction

Having discussed in the above onapters the overall plans and performance of the economy and in some details the industrialization policies, strategies and industrial programmes we now turn to analyse and examine in some depth the structure and performance of the manufacturing sector.

This chapter, therefore examines first the global and aggregate indicators of manufacturing industries and then proceeds to detailed analysis of major individual industries, ascertaining the weaknesses in its structural composition.

The analysis shall be conducted in terms of gross value of output, gross value added, employment and investment in manufacturing. Most of the detailed time series data on manufacturing used in the analysis has been prepared for the purpose of this study. Methods of collection, preparation and limitations are detailed in appendix C to this study.

Syrian manufacturing has a comparatively long history that lends itself to analysis over time and it is intended in this chapter to examine the characteristics and pattern of industrial growth with the view to assign a typology of industrialization for manufacturing in Syria.

The analysis therefore shall be conducted under the following headings: (i) The industrial sector and its composition; (ii) the growth of manufacturing; (iii) manufacturing structure and trends; (iv) capital investment in manufacturing; (v) employment trends and structure in manufacturing; (vi) ownership structure in manufacturing; (vii) public sector in manufacturing; (viii) private sector in manufacturing, and (ix) labour productivity in manufacturing.

The industrial sector and its composition

Within the industrial sector, manufacturing scored during the period 1963-1976, the lowest rates of growth, 7.3 per cent per annum. An exceptionally high rate of growth was recorded by mining and quarrying reflecting mainly development of petroleum, an average annual rate of growth of 40.4 per cent for the same period.

As indicated in table V.1 the share of the industrial sector in total GDP has increased from about 16 per cent in 1963 to 19.7 per cent in 1970 and stabilising at around 20 per cent through 1976. In contrast from 1963-1975 the manufacturing sector did now show significant change in its share in total GDP, oscillating around an average of 15 per cent. Mining and quarrying increased their share from an insignificant level in 1963 (0.1 per cent) to 3.7 per cent in 1976.

This structural change actually hides an important weakness because of the use of basically a quantum index as a deflator for mining and quarrying which is dominated by the petroleum industry. Since a bottor deflator would be a purchasing power deflator, we deflated mining by a term of trade deflator as a proxy. The results are summarized below. The picture changed greatly after 1973 with respect to the share of industry, manufacturing, and mining. The latter's share in GDP increased dramatically after 1973 rising to about 10 per cent in the years 1975 and 1976; and its share in the industrial sector increased from 13.5 per cent in 1973 to roughly 39 per cent in 1975 and 1976. Consequently, the share of the industrial sector increased to 25 per cent and that of manufacturing recorded a moverate decline of one percentage point in the years 1975 and 1976.

	<u>1963</u>	<u>1970</u>	1973	1975	1976
		(Percen	tage share	in CDP)	
Industry	15.9	19.7	19.9	25.0	25.0
Mining	0.1	2.1	2.7	9.9	9.7
Manufacturing	14.9	16.0	15.2	13.7	14.2
Electricity, gas and water	0.9	1.6	2.0	1.5	1.1

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TANK V.J. BURLA,	ELECTRONIC DEVICE VELICIAL AND PROCEEDED FORMED AF CONSTANT PRICES	RELEVENT YEARS	13 (BL)		1963 = 100		(81 MILLION AND PERCENTAGE AT CONSTANT PRICES 1963 = 100		0			
	1963	1965	1970	1971	1972	1973	1974	1975	1976	Average 1963/70	Average Amual 1963/70 1970/76	Growth rates 1963/76
Indus try	631	725	1 109	1 204 1	1 326	1411	1 779	7 20	2 0 28	8.1	10.1	0.6
Mining and quarrying	2	'n	124	150	173	221	323	400	380 80	60.0	18.7	40-4
Manufacturing	5 %	699	895	955	1 039	1 051	1 328	1 355	1 525	5.8	8.9	7.3
Electricity, gas and water	35	53	8	8	ħ.	139	128	145	123	13•5	5•2	7.6
PERCENTACE SHARE IN INDUSTRY												
Industry	100-0	100.0	100.0	100. C	100.0	100.0	100.0	100-0	100.0			
Mining and quarrying	0•3	0-4	11.2	12.5	13.0	15.7	18.2	21.1	18.7			
Manufacturing	רי א	92.3	80.7	79.3	78.4		9.41	71.3	75-2			
Electricity, gas and water	2•6	7.3	8.1	8.2		9.8	7.2	7.6	. 6.1			
Percintage stare in Gip												- 1
Indus try	15.9	16.3	7-91	19-5	19.5	20.3	21.5	20.2	20-0			38 -
Mining and quarrying	1.0	1.0	2.2	2.4	2.6	3.2	3.9	4.3	3.7			-
Janufa o turing	4.9	15.0	15.9	15.4	15.3	15.1	16.1	777	15.0			
Electricity, gas and water	6.0	1.2	1.6	1.7	1.7	2.0	1•5	1.5	1.3			

Source: U.M. Tearbook of Mational Accounts 1977, p. 1148

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To isolate the effect of the services sectors, table V.2 shows the contribution of the commodity producing sectors to commodity GDP. The data indicated that the industrial sector as a whole has increased its share in total commodity GDP rising from 32.4 per cent in 1963 to 51.9 per cent in 1973 and declining to 46.2 per cent in 1976. Similarly manufacturing after rising from 30.5 per cent in 1963 to a peak 38.7 per cent in 1973 declined to 34.7 per cent by 1976. The share of mining was rising continuously from 0.1 per cent in 1963 to 10.4 per cent in 1975 and decreasing only in 1976 to 8.6 per cent.

The growth in manufacturing

The average annual rates of growth is constant MVA for the various industry branches in selected periods are presented in table V.3. The overall rate of growth for the period under review was about 7 per cent, a rate that is marginally below the corresponding GDP rate of growth. The highest prowth rate in overall manufacturing was recorded during the period 1976-1977, 13.7 per cent and the lowest rate of 2.8 per cent, was recorded during the period 1966-1970. These data reveal also that growth rate in MVA increased by more than 2.5 times when comparing the two sub-periods 1963-1970 (3.8 per cent) and 1970-1977 (10.2 per cent). The factors behind this performance have been analysed in detail in Chapter II above. As table V.9 indicates this period of rapid growth experienced a rapid rise in investment in manufacturing roughly an eight fold increase over the earlier period. The 1970-1977 MVA growth rate is marginally higher than the corresponding growth rate recorded for GDP, and the rate of growth of MVA in the period 1963-1970 is markedly below the corresponding annual growth rate of GDP.

TABLE V.2. SYRIA, CONTRIBUTION BY CO TEARS 1963-1976. (SL CONSTLUT	COULTODITY IL MILLION IT PRICES		PRODUCING SECTORS AND PERCENTAGE IN 1963 = 100)		TO COMPUTING TO COMPUTE TO COMPUT	TO COMPDITY GROSS DOMESTIC PRODUCER'S VALUE AT	ONLESTIC	PRODUCTS	SELECTED
				1 <i>3</i> 71	1972	1973	1974	1975	1976
Total commodity producing sectors	1 946 1	2 037	2 421	2 596	3 055	2 717	3 553	3 838	4 389
- Agriculture, hunting, forestry & fishing	1 196	1 297	1 153	1 187	1 525	1 106	1 535	1 669	1 891
- Industry:	631	725	501 I	1 204	1 326	ιινι	1 779	906	2 028
Mining	~	m	124	150	173	221	323	400	8 <u>6</u>
Hanufacturing	594	699	995	955	JE0 I	1 051	1 328	1 355	1 525
Electricity. gas and water	35	53	8	66	ЯI	139	128	145	123
- Building and construction	119	115	159	ŚĠ	200	200	239	269	470
Percontage of total composity producing sector									
- Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
- Agriculture	61.5	58.8	47.6	45.7	6-65	40.7	43.2	43•5	43.1
- Industry	32.4	35.6	45.8	46.4	43.4	51.9	50.1	49•5	46.2
Mining	0.1	0.1	5.1	5.8	5.5	8.1	9.1	10.4	8.6
Manufacturing	30.5	32.9	37.0	36.8	34.0		37.4	35.3	34.7
Electricity, gas and water	1.8	2.6	3.7	3.8	3.7	5.1	3.6	3.8	2.8
- Construction	6.1	5.6	6.6	7.9	5.7	7-4	6.7	7.0	10.7

Source: UN Yearbook of Mational Accounts 1977, p. 1147.

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AVERAGE ANNUAL RATES OF GROWTH OF GROSS VALUE ADDED IN OVERALL MANUFACTURING INDUSTRY, SELECTED PERIODS 1963-1977, AT CONSTANT PRICES 1970=100 (PERCENTAGES) SYRIA, Table No. (V.3)

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ISIC		- <u>796</u>	1966-	1970-	1975	1963-	1970-	1967			
Ş.		1996	0/AT			1 AVET				Ī	
31 FOO	FOOD. BEVERAGES AND TOBACCO	6.0	-2-8	7.8	2	6		0.4		-	•
311/2 Food	Food manufacturing	14.2	-4-7	8.6	<u> </u>	0.	0.	0.0			
	Beverages	-4.3	1.2	7.4	17.5	-1.2	10.2	4.4		- ÷	
	Tobacco	-1.4	-0-7	. 6 . 9	7.2	-1.0	1.0	2.9			
3.3 TFY	TEXTILE WEARING APPAREL AND LEATHER	8.2	1.1	6.8	20.0	4.1	10.5	7.2			
321		7.4	0.4	5.3	21.3	3.3	9.7	6.5		:	
÷	Verine aponel	24.8	7.1	16.8	14.3	14.4	16.1	15.2			
	Leather products	-2.9	12.4	13.5	10.4	5.5	12.6	0.6			
	Footwear	14.9	5.8	16.6	15.4	6 و َ	16.2	12.9	.+	. :	
	WOOD AND WOOD PRODUCTS	-20.1	14.3	8.0	17.71	-2.0	10.7	4.2			
331	Wood and cork	12.9	2.6	4.0	-6.7	6.9	0.8	3.8	÷	.1	
332 Fuin	Funiture and fixtures	-25.1	17.6	8.7	8.8	3.1	12.1	4.2	-+-		
34 PAP	PAPER, PAPER PRODUCTS, PRINTING & PUBLISHING	8.0	18.6	1.3	6.62	19.6	8.8	14.1			
341	Paper and Paper products	6 m 3	38.4		370.0	23.6	10.4	16.8	.,;	_	
342 Prin		23.4	15.3	5.8	14.6	18.7	. 8.3	13.8			
35 CHI	CHEMICAL, PETROLEUM, RUBBER & PLASTIC PRODS.	16.8	16.8	11.6	7.9	16.8	10.5	13.6		-	
351/2	Chemical products	34.2	-0.6	38.0	-10.8	13•0	21.9	17.3			
353 Petr		11.4	22-B	2.0	23.8	17.8	¥-9	12.9	<u> </u>	•	
	eum & coal		ŧ	ŧ	E.	1	•				
	Rubber products, n.e c.	1.5	15.6	4	4.4	1.21					
356 Plas	Plastic products, n e.c.	115.4	130.0	21.8	0-7	61.0	15.3	<u>.</u>	- -		
36 NO	NON.METALLIC MINERAL PRODUCTS	1.0	7.7	-1.0	33.3	4.0	7:7	5.9			
361	Pottery, china, earthenware	•	1	I	l	8	F			;	
362 Glas	Glass and glass products	5.8	0.5	-1.0	-0-6-	2.8	-3.3	4.4			:
369 Oth	Other non-metallic mineral products	-2.4	9.7	-1.0	41.1	4.3	9.5	6.9			:
37 BAS	BASIC METAL INDUSTRIES	5.7	26.7	13.3	-6.4	17.2	7.3	12.1	-		
371 Iron	Iron and steel basic industries	1	•	t	-40.7	1	•	•			
372 Non	Non-ferrous metal basic industries	5.7	26.7	7.6	1. 5	17.2	5.8	11.4			
36 FAI	FABRICATED METAL PRODUCTS, MACH. & EQUIPMENT	-2.3	12.6	20.4	13.4	5-9	18.3	12.0	-		
381	Fabricated metal products except mach. & equipment	2.92	29 B	15.1	17-4	0.1	15.7	.7.6	4-		
:	Non-electrical m. chinery	64.5	-0-8 -	23.3	10-01	23.2	2-6T	21.2	<u> </u>		
	appliances	65.7	1.5 1	29.7	9.8	22.2	25.1	24-4	-	;	
	Transport equipment	•	€ : 1	•	1 1	1 1) (• •			••••••
200		* **	13.6		405.0	12.4	10.7	11.6	• <u> </u>		
10 0	MANUFACTURINU INUUSI			8 8	7.51	8.5	10.2	6.9			
3 T C	OTAL MANUFACIUMING	7•6	0 •3	,							

Source: Calculations are based on table C-10 Appendix C.

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MVA in paper and products increased from SL 3 million in 1963 to about SL 19 million in 1977. representing an average rate of growth of 14.1 per cent. This growth was largely generated in the privately owned printing and publishing industry. whose M'A increased from SL 2.5 million in 1963 to SL 14.6 million in 1977.

The chemicals, petroleum, rubber and plastics industry experienced a sixfold increase in MVA, rising from SL 26.2 million in 1963 to BL 156.2 million in 1977. representing an average annual rate of growth of 13.6 per cent. This industry division had the highest share of capital investment in this period (table V.9). The highest growth rate within the industry division was recorded by plastic products, an annual rate of growth of 36.3 per cent followed next by chemical products, 17.3 per cent and petroleum refinery, 12.9 per cent. The growth in the plastic industry was primarily generated by the private sector. The growth in petroleum refinery which is predominantly in the public sector is largely due to expanding the Home Oil Refinery.

MVA in basic metal industries increased from SL 4.4 million in 1965 to about SL 22 million in 1977, representing an annual average rate of growth of 12.1 per cent. The investment in this industry was primarily made by the public sector for the construction of the iron rods plant which started production in 1972.

In the fabricated metal industries MVA increased from SL 49.4 million in 1963 to SL 240.4 million in 1977, about five fold increase, and representing an average annual rate of growth equal to 12 per cent. Starting from a low base, electrical and non-electrical machinery recorded very high average annual rates of growth, 24.4 per cent and 21.2 per cent respectively for the period under study.

average rate of growth in manufacturing.

allied 13.4 per cent.

Having discussed the trends and contribution to growth of the various industrial branches, the next section will be devoted to a detailed analysis of the structural changes in manufacturing that emerged.

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Manufacturing structure and trends

In the following, analysis of structural composition and trends in manufacturing and by major groups and branches of industries is carried out mainly in terms of gross value added (MVA) at constant prices as the best measurement to represent contributions by industrial branches. However, to ascertain if there is significant differences in analysis of industrial structure by using alternative measurements of output we shall first compare brisfly manufacturing structure in terms of gross value added and value of gross output both in constant prices and second compare manufacturing value added at constant and at ourrent prices.

Table V.5 summarises the share of industries in total manufacturing measured in terms of gross value added and gross value of output at constant prices. These data show that for practically all the industrial groups and branches there is no real difference in the direction of change in industrial composition, when

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Average rates of growth alone are misleading indicators to structural changes as they tend to be blased with respect to new industries starting from a low base. A better indicator is the contribution of individual industrial branches to NVA growth which are presented in table V.4. These data reveal a different picture. Only four industry divisions contributed 88 per cent to the total MVA growth. The textiles and allied recording from 1963 to 1977. the highest contribution to MVA growth, 36.8 per cent. Followed next by food, beverages and tobacco, 18.3 per cent. Fabricated metals 19.6 per cent and chemicals and

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Table $(\nabla - 4)$	Syria, Contribution to Manufacturing Value Added Growth by Industrial
• • •	Branches in Overall Manufacturing Industry, Selected period, 1963-1977,
	at current prices 1970-100 (percentages)

ÍSIC Code	Category	6 3- 77	63 70	70-77
51 311/2 313	FOOD, BEVERAGES AND TOBACCO Food Manufacturing Beverages	18.3 11.0 1.0 6.3	8.1 13.4 - 0.5 - 4.7	20.7 10.4 1.3 9.0
314 32 321 322 323 324	Tobacco TEXTILE, WEARING APPAREL AND LEATHER Textiles Wearing Apparel Leather products Footwear	5.5 5.5 0.8 1.4	37.4 27.8 7.2 0.9 1.5	36.6 29.3 5.2 8.4 1.4
33	WOOD AND WOOD PRODUCTS	3.0	- 2.6	4.3
331	Wood and cork	0.2	1.0	0.0
332	Furniture and fixtures	2.8	- 3.6	4.2
34	PAPER, PAPER PRODUCTS, PRINTING & FUBLISHING	1.6	4.0	1.1
341	Paper and Paper products	0.4	0.9	0.3
342	Printing and Publishing	1.2	3.1	0.8
35	CHEMICAL, PETROLEUM, RUBBER & PLASTIC PRODUCTS	13.4	27.5	10.0
391/2	Chemical Products	3.3	3.4	3.3
353	Petroleum Refinery	7.9	19.9	5.0
354	Misc. Products of Petroleum & Coal	-	-	-
355	Rubber Products, n.e.c.	0.6	2.7	7.6
356	Plastic Products, n.e.c.	0.8	1.5	0.6
36	NOM-METALLIC MINERAL PRODUCTS	5.1	6.9	4.6
36 1	Pottery, China, Earthenware	-	-	-
36 2	Glass and Glass Products	- 0.0	0.9	- 0.3
36 9	Other non-metallic mineral products	5.1	5.9	4.9
57	BASIC METAL INDUSTRIES	1.8	4.9	1.1
571	Iron and Steel Basic Industries	-	-	_
572	Non-ferrous Netal Basic Industries	1.6	4.9	0.9
38 381 362 383 383 384 385 39	FABRICATED METAL PRODUCTS, MACHINERY & HQUIPMENT Fabricated Metal Products except Machinery & Equipment Non-electrical Machinery Electrical Machinery, Appliances Transport Equipment Professional & Scientific Control Equipment OTHER MANUFACTURING INDUSTRIES	19.6 7.9 5.7 6.1 - - 0.4	13.2 0.2 7.0 5.9 - - 0.7	21.2 9.7 5.4 6.0 - - 0.3
3	TOTAL NANUFACTURING	100.0	100.0	100.0

Source: Calculations are based on table C-10, Appendix C

PERCENTAGE SHARE OF GROSS 4 ALUE ADDED AND GROSS OUTPUT IN OVERALL MANUFACTURING INDUSTRIES FOR SELECTED YEARS AT CONSTANT PRICES 1970=100 (PERCENTAGE) Table No. (V.5) SYRIA,

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		1963 1966	3	1966		0791	d	. 61	975	ฤ	779
ISIC Code	Category	Value Added	Output	Value Added	Output	Value Added	Output	Value Added	Output	Value Added	Output
31	FOOD, BEVERAGES AND TOBACCO	39.4	40.2	40.4	41.9	32.2		30.8	36.5	26.5	33.5
311/2	Food manufacturing	17.5	28.6	22.5	33.0	16 - 5	29.0	16.4	28.0	13.5	24.9
313	Beverages	1.8	1.4	1.4	0.9	1.3		1.2	1.2	1.3	1.5
314	Tobacco	°.0 8	10.2	16.5	8.0			13.2	7.3	11.7	1.7
32	TEXTILE. WEARING APPAREL AND LEATHER	34.6	38.9	37.8	38.2	35.2	36.5	32.2	32.4	36.0	33.6
321	Texnile	32.2	35.8.	34.4	34.7	31.2	32.4	26.6	27.5	30.3	28.4
322		1.8	1.8	2.3	2.0	2.7	2.8	3.9	3.1	3.9	3.3
323		0.6	0.6	0.4	6-0	0.6	0.7	0.8	۲.0	0.7	1.1
324	Footwear	0.5	0.6	0.7	0.5	0.7	0 . 5	1.0	0.8	1.1	0.9
33	WOOD AND WOOD PRODUCTS	و•0	3.6	2.6	2.5	4.0	3.8	3.9	3.6	4.2	3.6
331	Wood and cork	0.5	0.4	0.6	0.7	0.6	D.7	D.5	D.7	0.3	0.6
332	Furniture and Extures	5.5	3.2	2.0	1.8	3.4	3.1	3.4	2.9	3.8	3.0
34	PAPER, PAPER PRODUCTS, PRINTING & PUBLISHING	0.5	0.9	D.7	۵.7	1.3	0.9	0-9	1-0	1.2	1.2
341		0.1	0.3	0.1	0.2	0.3	0.2	0.0	0.3	0,3	0.4
342		0.4	0.6	0.5	0.6	1.0	0.7	6 •0	0.7	6.0	0.8
35	CHEMICAL, PETROLEUM, RUBBER & PLASTIC PRODS.	4.2	5.7	5.8	6.6	0-6	10.4	10.9	10.4	9.8	10.8
351/2	Chemical products	0.8	1.2	1.6	1.7	1.4	1.8	4.6	3.4	2.6	2.4
353	Petroleum refinery	2.8	2-2	3.3	4.1	6.7	7.4	5.0	5.8	6.0	7.4
354	petroleum & coal	1	1	•	1	1	•	1	1	•	•
355	· · · ·	0.7	0.5	0.7	0.6	1.1	6.0	0.7	0.8	0.6	9.0
356		0-0	0.0	C.1	0.2	0.4	0.4	0.6	0.5	0*5	0.4
36	NON-METALLIC MINERAL PRODUCTS	6.5	4- 6	5.4	3.8	6 • 5	4.5	4.1	3.7	5.6	4-0
361	Pottery, china, earthenware	ſ	F	Ľ		¢	6	•	E	•	•
362	Glass and glass products	1.3	0.8	1.3	1.0	1.2	0.8	0.8	0.6	0 . 5	0.5
369	Other non-metallic mineral products	5.2	3.7	4.1	2.8	5.3	3.7	3.3	3.1	5.1	3.5
37	BASIC METAL INDUSTRIES	0.7	0.6	0.7	0.8	1.7	0.9	2.0	1.7	1.4	1.6
371	Iron and steel basic industries	•	1	1	•	1	•	0.5	0.8	0.1	0.7
372	Non-ferrous metal basic industries	0.7	0.6	0.7	0.8	1.7	6.0	1.5	۰. 0	1.3	0.9
38	FABRICATED METAL PRODUCTS, MACH. & EQUIPMENT	7.9	5.1	6.4	5.3	9.1	6.1	15.2	10.4	15.1	11.4
381	Fabricated metal products except mach. & equipment	6,8	4.1	2,1	1.8	5=3	3.2	7.0	4.6	7.5	5.1
382	Non-electrical machinery	0-6	۵.5	2.5	2.1	2.1	1.7	4.0	3.2	3.7	3.3
383	Electrical machinery, appliances	0.5	0 - 6	1. 8	1-4	1.7	1.2	4.2	2.6	3.9	3.0
384		1	1	1	ł	1	1	1	•	1	•
385	Professional & scientific control equipment	•	1		•	1	4	1	•	•	•
39	OTHER MANUFACTURING INDUSTRIES	0.2	0.2	0.2	0.2	0.3	0.2	0.0	0.2	0•3	0•2
	TOTAL MANUFACTURING	100-0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: Calculations are based on tables C-4 and C-10 Appendix C.

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measurement is made in terms of manufacturing gross value added and gross value of output. With respect to their share in total manufacturing for most of industrial groups and branches (except for three) the differences descerned are small or insignificant. In food manufacturing, one of the three exceptions, its share in total MVA was consistantly much lower than its share measured in gross value of output. The 1977 share in MVA was 13.5 per cent compared to a G 0 of 24.9 per cent in the same year. The reverse is true in the tobacco industry when a higher share was consistantly recorded for MVA. The percentage in total MVA in 1977 was 11.7 per cent compared to 7.1 per cent measured in terms of GVO. In the fabricated metal products, machinery and equipment industries a moderately higher share was also recorded for MVA's share than in GVO. In the year 1977, these shares were 15.1 per cent and 11.4 per cent respectively. The differential in the above three industries probably reflect the heavy subsidized prices in the food industries and the monopoly prices in the two other industries.

The difference in the manufacturing structure arising from differences in price trends in various industries are presented in table V.6. These data indicate that for all industrial groups and branches practically the same direction of changes are observed when using either measurement. ''ith respect to the effect of price differentials on the share in total MVA, they were pronounced in two major sectors. Food, beverages and tobacco recording higher share at constant prices and the reverse for textiles, wearing apparel and leather. For the rest of industries the desparties were moderate or insignificant.

The structure and trends in the manufacturing sector that emerged over the period under study are summarized in table V.7 and V.8. The analysis shall be carried out by industrial group and branches, by broad classifications, namely traditional and non-traditional industries and by broad end-use, consumer durables and non-durables, intermediates and capital goods industries.

Two industrial groups account for the major portion of MVA in industry in Syria. Food, beverages and tobacco, and the textiles, wearing apparel and leather, have produced more than 62 per cent of total MVA in 1977. Textiles

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Table No. (V.6) SYRIA, PERCENTAGE SHARE OF GROSS VALUE ADDED IN OVERALL MANUFACTURING INDUSTRY

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		ĥ	1963	1966	90	1	1970	1975	75.	1973	[1
ISIC Code	Category .	Cnstat	Current	Constnt	Current	Chatat	Current	Cnstnt	Current	Cpstnt	Current
31	FOOD, BEVERAGES AND TOBACCO	•	29.4		1.			30.8	24.	26.5	20.02
311/2	Food manufacturing	17.5	13.0	22.5	19.3	16.5	16.5	16.4	12.9	13.5	10.2
313	Beverages	1.8	1.4	1.4		1.3	1.3	1.2		1.3	0.1
314	Tobaccu	0°0	14.9	16.5		14.4	14.4	13.2	5	1.1	8.8
32	TEXTILE, WEARING APPAREL AND LEATHER	34.6	39.8	37.8	41.3	35.2	35.2			36.0	38.9
321	Texnilcs	32.2	37.0	34.4	37-6	51.5	21:0			5	L 02
322	Wearing apparel	1,8	, e	5	2.5	2.7	2.7	6.6	4	6	4
323	Leather products	0.6	0.6	0.4	-	0.6	0.6			0.7	0.8
324	Footwear	0.5	0.6	0.7.	-	0.7	0.7		-	1.1	1.1
33	WOOD AND WOOD PRODUCTS	6.0	8.8	2.6	3.4	4.0	4.0	3.9	é.		5.8
331	Wood and cork	•••	0.7	0.6	0.8	0.6	0.6	.	0		0.5
332	Furnkure and fixtures	5.5	8.1	2.0.	2.6	3.4	3.4	3.4	L L		.5.3
34	PAPER, PAPER PRODUCTS, PRINTING & PUBLISHING	0.5	1.4	0.7	1.0	1.3	1.3	0.0	1.0		1.2
341	Paper and Puper products	1.0	0.2	0.1	1.0	. F . O	0		c	•	
342	Printing and publishing	0-4	1.2	0.6	6.0		1 0	6.0	0	6.0	0
35	CHEMICAL, PETROLEUM, RUBBER & PLASTIC PRODS.	4.2	6.9	5.8	8.8	9.6	9.6	10.9	11.	9.8	6-11
351/2	Chemical products	0.8		1.6	2.4	1.4	1.4	4.6	4.7	2.8	7.4
353	Petroleum refinery	2.8	4.5	3.3	5.0	6:7	6.7	2.0	· ••	5.9	1.1
354	Misc. products of petroleum & coal	1	1	1	1	ŧ.	1	1	•	1	1
355	Rubber products. n.e.c.	0.7	1.1	0.7	1.1	3.1	1.1	0.7		0.6	0.7
356	Plastic products, n e.c.	0.0	0.0	0.1	0.2	0.4	0.4	0.6	。 。	0.5	0.6
36	NON METALLIC MINERAL PRODUCTS	6.5	7.6	5.4	5.0	6.5	6.5	4.1	- <u></u>	. 5.61	1.0
361	Pomery, ching, gartheuware	•	-1	1	. 1	-1	1	1	•	1	•
362	Glass and glass products	1.3	1.5	1.3	1.2	1.2	1.2	0.8		•	6.1
369	Other non-metallic mineral products	5.2	6.1	4.1	3.8	5.3	5.3	3.3	3.7	5.1	2.6.4
37	BASIC METAL INDUSTRIES	0.7	0.4	0.7	0.5	1.7	1:7	2.0		· -	7.0-1
371	•	1	1	1	•	1		0.5	1.2	0	.0
372	Non-ferrous metal basic industries	0.7	0 .4	0.7	0.5	1.7	1.7	1.5	٣	1.3	2.5
38	FABRICATED METAL PRODUCTS, MACH. & EQUIPMENT	7.9	5.0	6.4.	4.7	9.1	1.6	15.2		15 1	101
381	Fabricated metal products except mach. & equipment	6.8	4.3	2.1	1.5 1	5.3	5.3	7.0	5.7	7.5	
382	Non-electrical machinery	0.6	0.4	2.5.	1.8	2.1	2.1	4-0			0.2.0
383	Liectrical machinery, appliances	0.5	0.3	1,8	1.3	1.7	1.7	4.2	3-4	0	
4000 1990	Professional - & scientific - control - eminment	1	•	1	1	•	1	1	1		E
30	OTHER WANTEACTINENC INDUCTRIES		α - C	۰°	•	1 0		• 3		1	
20	OTHER MANUFACTURING INDUSTRIES	2	5	N•N	0.0	? .)	0.3	0.0	0.6	0.3	0.4
ę	FOFAL MANUFACTURING	100.0	100.0	100.0	100.0	100.0	100.0	- 100.0	100.0	0.001	0.04

Source Calculations are based on tables C-7 and C-10 Appendix C.

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Syria, Gross Value added in Sverell Manafecturing Industries, selected years 1963-1977 (Million S.L. and Percentage)at constant prises (1970=100) Table V.7.

	Value	8	Value	1700	Value Value	8	771 Value	ر پر پر	Fabre I	1791 V
TI ROOD BEVERAGES AND TOBACCO	245.9	39.4	292.7	40.4	261.1	32.2	380.3	30.8	8.8	26.5
311/2 Food manufacturing	109.3	17.5	162.8	22.5	134.2	16.5	202.7	16.4	216. 2	13.5
313 Beveraces	11.4	1.8	10.0	1.4	10.5	1.3	15.0	1.2	2.1	1.3
	125.2	20.0	6.011	16.5	116.4	14.4	162.6	13.2	186-9	11.7
32 TEXTILE. WEARING APPAREL AND LEATHER	216.4	34.6	273.9	37.8	286.2	35.2	398.2	32.2	1776	36.0
_	201.2	32.2	249.2	34.4	253.2	31.2	328.1	26.6	0.34	30.3
	8.6	1.8	16.7	2.3	22.0	2.7	47.8	3.9	62 ~5	3.9
	3.5	0.6	3.2	0.4	5.1	0.6	9•6	0.8	77	0.7
	3.1	0.5	4.7	C. 7	5.9	0.7	7.21	1.0	16. 9	[]
33 WOOD AND WOOD PRODUCTS	37.5	6 •0	19.1	2.6	32.6	4.0	48.0	3.9	1	4.2
	3.2	0•5	4.6	0.6	5.1	0-6	6.2	0.5	5-5	0
	34.3	5•5	14.4	2.0	27.5	3.4	41.8	3.4	61.1	3•8
34 PAPER, PAPER PRODUCTS, FRINTING AND PUBLISHING	3.0	0.5	5.3	0.7	10.5	1.3	11.2	0.9	36. 9	1.2
341 Paper and Paper Products	0.5	0,1	0•6	0.1	2.2	0.3	0.2	0.0	1	0
	2.5	0.4	4.7	0•5	8.3	с•Т	0.11	0 •0	2-1 2	0
35 CHEMICAL, PETROLEUM, RUBBER AND PLASFIC PRODUCIS	26.2	4•2	41.7	5.8	77.6	9•6	134.2	10.9	ਸ	9•8
351/2 Chemical products	4.8	0.8	11.6	1.6	11.3	1.4	56.5	4•6		2.8
353 Petroleum refinery	17.3	2.8	23.9	3.3	54.4	6.7	61.3	5.0		5
354 Misc. products of petroleum and coal	ł	1	I	•	1	ı	I	1		ł
	4.1	0.7	5.1	0.7	9.1	1.1	8•9	0.7	251	0•0
	•	0	•		C		5	y C		5.0

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stries, selected years 1963-1977	970=100)
og Indústrie	prices (
value added in overall Manufacturi	(Million S.L. and Percentage) at constant price
Table V.7. (Cunt'd)	

...

ISIC Code	Category	1963 Value	5 76 76	1966 Value	%	Value	1970	Value	1975 *	Ι Value	1977
36	NON-METALLIC MINERAL PRODUCTS	40.3	6.5	39.5	5.4	53.1	6.5	50.4		89.5	5.6
361	Fottery, china, earthenvare	1	ł	I	1	1	1	8	1	1	
362	Glass and glass products	8,1	1.3	9•6	1.3	9.8	1.2	9.3	0.8	7.7	0.5
369	Other non-metallic mineral products	32.2	5.2	29.9	4.1	43.3	5•3	41.1	3.3	81.8	5.1
37	BASIC METAL INDUSTRIES	4.4	0.7	5.2	0.7	13.4	1.7	25.0	2.0	21.9	1.4
371	Iron and steel basic industries	I	t	1	I	I	ł	5.7	0.5	2.0	0.1
372	Non-ferrous metal busic industries	4.4	0.7	5.2	0.7	13.4	1.7	19.3	1.5	19.9	1.3
8	FABRICATED METAL FRODUCTS, MACHINERT AND EQUIPMENT	49.4	7.9	46.1	6.4	74.0	1.6	186.9	15.2	240.4	15.1
381	Fabricated netal products except nachinery and equipment	42.5	6.8	15.1	2.1	42.8	5.3	86.4	7.0	1.911	7.5
382	Non-electrical machinery	4.0	0.6	17.8	2.5	17.2	2.1	49.0	4.0	59.3	3.7
383	Electrical machinery, appliances	2.9	0.5	13.2	1.8	14.0	1.7	51.3	4.2	61.9	6°
384	Transport equipment	I	1	t	1	t	t	. 1	1		1
385	Professional & scientific control equipment	I	1	I	1	1	ı	ı	1	I	1
-	OTHER MANUFACTURING INDUSTRIES	1.1	0.2	1.5	0.2	2.5	0.3	0.2	0.0	5.1	0.3
	TOTAL MANUFACTURING	624.3	100.0	725.2	100.0	0.118	100.0	1234.2	100.0	1596.6	100.0

Source : Table C-10, Appendix C.

MANUFACTURING GROSS VALUE ADDED IN OVERALL MANUFACTURING INDUSTRY, CLASSIFIED BY EMD-USE, SELECTED YEARS 1963-1977, (SL MILLION AND PERCENTAGES AT CONSTANT FRICES 1970-100) Table V.8 Syria,

End-Use 1	Ĩ	1963 _	1966	1966	1970 NVA	70 🕵	19 MVA	1975 🖌	1977 WA	977 2
	AVA	R }	V VI		1 003	2 4 2	Ren. 3	72.1	1.148.1	71.9
ferance and a	503.2	80. 6	601.4	62.9	4.200	(•+-				
	AKE O	74.6	572.8	79.0	558.1	68.8	7.69.7	63.9	1,017.5	63.7
Non Durable	37.3	6 .0	28.6	3.9	44.3	5•5	100.6	8.2	130.6	8.2
arosint	L Ye	A. 3	42.2	5.8	77.0	9.5	126.9	10.3	153.0	9.6
Intermediate goods			6 C 8	5.11	131.6	16.2	217.0	17.6	295.2	18.5
Capital goods	74.4		76.5						1 FOK A 100-0	
Total	624.3	100.0	100.0 725.8 100.0	100.0	811.0	811.0 100.0	1, 274.5 LUU	0.01T		

; Calculations are based on table C-10 Source: A

ather products, footwear, printing		mise. petroleum and coel products and
1/ - Non Durable consumer goods includes- Pood products, beverages, tobacco, textiles, wearing apparel, leather products, footwear, printing and publishing, and other menufacturing industries.	- Durable consumer goods include:- Furniture and fixtures, plastic products, electrical machinery.	- Intermediate goods include:- Paper and products, industrial chemicals, petroleum refineries, misc. petroleum and coal products and

Capital goods include:-Wood and cork, glass and products, other non-metallic mineral products, iron and steel, non-ferrous metals, metal products, and non-electrical machinery. rubber products. . 1

wearing apparel and leather contributed 36 per cent, whereas food, beverages and tobacco accounted for more than 26 per cent. One major branch within the textiles and allied have made the largest contribution to MVA namely textiles. This is the largest single industry in Syria and is responsible for 84 per cent of MVA in the textiles division and 30 per cent of total MVA in 1977.

But the pattern of growth of the MVA within the two industrial divisions just mentioned reveals a declining trend. The share of the two divisions in total MVA has dropped from 74 per cent in 1963, to 62.5 per cent in 1977. This is largely due to the decline in the share of food products from 39.4 per cent in 1963 to 26.5 per cent in 1977.

The third largest industrial division in Syria is the fabricated metal products, machinery and equipment. It contributed 15.1 per cent of MVA in manufacturing in 1977, roughly twice its share in 1963. The metal products industry is the largest in this division, contributing half the division's MVA and 7.5 per cent of total manufacturing in 1977. The share of the electrical and non-electrical machinery industries are increasing rapidly and are expected to figure more prominently in the future.

Chemicals, petroleum, coal, rubber and plastic products industries rank fourth in importance. It accounted for about 10 per cent of total manufacturing output in 1977, an increase of 5.6 percentage points over its level in 1963. The major industry in this division is petroleum refining. It contributed 60.2 per cent of the MVA in the division and 6 per cent of overall output in manufacturing in 1977. The relative importance of the chemical industries is expected to increase in the near future when a number of major projects including fertilizers plants, and tyre plant, now under construction start production in 1980.

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The above analysis indicate the dominance of traditional industries that generally include food, beverages and tobacco and textiles in addition to the non-metallic mineral products industries. These industries are usually associated with the early stages of industrial development. While the combined share of these industries declined from 80.5 per cent in 1963, by over a 12 percentage point, they still produced in 1977 a high proportion of total output in manufacturing, 68 per cent.

The following analysis of industrial structure by major end-use gives further empport to the above pattern and stage of industrial development in Syria. Table V.8 indicates the industrial structure classified roughly by major end-use, consumer, intermediate and capital goods industries. These data show, a decline in the consumer non-durable's share in total NVA from 74.6 per cent in 1963 to 63.7 per cent in 1977, and a rather moderate rise in the share of consumer durables from 6.0 per cent to 8.3 per cent in the same years respectively.

The share of industries producing intermediates more than doubled, rising from 4.3 per cent in 1963 to 9.6 per cent in 1977. But this was to a large extent due to the increase in the oil refining activities.

To complete the picture capital goods industries have also been producing a higher share of total MVA increasing from 15.1 per cent in 1963 to 18.5 per cent in 1977. The development of these industries should not be exaggerated, since the major contribution in this group of industries have been made by industries catering for the construction sector. Only a modest progress has been made in the core of these industries namely heavy engineering and capital equipment manufacturing industries. Thus in fabricated metal products, machinery and equipment the main engineering industries that developed have been producing durable consumers goods, heavily dependent on imported components and parts, with only few industries producing capital equipment and machinery.

Capital investment in manufacturing

Chapters II and IV showed that during the period under study a large and continued increase in capital formation was chanelled into mining and manufacturing and the latter recorded by far the highest rate of growth among the major economic sectors. Consequently, this sector's share in total capital formation increased steadily until reaching the highest share of all sectors. Furthermore analysis of the industrial plans showed also that by and large investment have been concentrated in certain priority industries. More specifically, in the two major traditional industries, namely, food manufacturing and textiles and in new industries investment has been concentrated in the development of chemicals (mainly fertilizers) and petroleum refinery. Two other industries that received second priority in terms of investment were non-metallic industries (cement) and fabricated metal products. Tables V.9 to V.11 concurs with the above and present a summary of investment in total manufacturing, by branches and by the public and private sectors over the period 1966-1977. These data highlights the following:

- The magnitude of the increase in investment is indicated by the fact that cumulative capital investment in total manufacturing increased from an annual average of SL 75 million in 1966-1970, to SL 575 million in 1971-1977, or roughly an eight fold increase.

- In the period 1966-1977, 74 per cent of total investment was concentrated in few industries, food manufacturing, 16.5 per cent; textiles, 15.6 per cent, chemical products mainly fertilizers, 16.4 per cent; pet.oleum refinery, 16.7 per cent; and cement 9.7 per cent. The same industries combined, shared about 64 per cent of total manufacturing investment in the period 1966-1970.

- As for the public sector, its share in total investment has been as expected, dominant and rising over the period under study. In 1966-1977 the public sector share was 95 per cent of total investment, compared to 91.5 per cent in 1966-1970 and 95.2 per cent in 1971-1977.

- Capital investment in private sector manufacturing summarized in table V.10 shows a high share of investment in food products, textiles and chemical products, similar to the pattern in over-all manufacturing. However, the greatest concentration of investment in the private sector, 31 per cent, is in fabricated metal products.

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T-Me No. Table V-9 Synda, CUMULATIVE CAPITAL INVESTMENT IN OVERALL MANUPACTURING: INDUSTRY, SELECTED PERIODS 1966-1977. (SL MILLION AND PERCENTAGE AT CONSTANT PRICES 1970-100)

			0201 390		61	7791-1791		ň	1966–1977		
ISIC		Cal tive	N	Ŗ;	Caltive	Leurin A	×	Cmltive	Annual	R	
Code		1966-70	average		11-1167	agerave					
31	FOOD. BEVERAGES AND TOBACCO	0.06	18.0	24.0	777.6	ritt	19.3	867.6	12.5	1.61	•
311/2	Food manufacturing	82.1	16.4	21.9	643.4	6.19	16.0	2. c21	8	10.0	
313	Beverages	2.7	Q.5	0.7	39.1	5.6	1.0	41.8	~ · ·	• 1	
314	Tobacco	5.2	1.0	1.4	95.2	13.6	2.4	100.4	4	2•2	
	TEVTILE WEADING ADDADEL AND LEATHR	77.5	15.5	20.7	747.0	106.7	18.6	824.5	68.7	18.7	
32	I EXILLE, WEAKING AFFANCE AND LEATINEA		14.8	19.8	613.5	87.6	15.2	687.3	57.3	15.6	:
321				Ŷ	75.2	10.2	1.9	77.5	6.5	1.8	:
325	wearing apparet		2	5						, ,	
323	Leather products	0.6	1:0			B.7	4			٠.	
324		0.9	0.6	0.5	~	0,0					
33	WOOD AND WOOD PRODUCTS	0.6	. .0	0.1	4 .0						
331	Wood and cork	0.6	0.1	0.1	4.8	0.1	ц. 8	7.4	5 0 2	0.1	
332	Furniture and fixing the second s	•	I	ŧ	1	I	1	•	1	•	
24	DABER DADER DRONICTS PRINTING & PUBLISHING	0.0	0.0	ı	88.5	12.6	2.2	88 2 2	7.4	2•0	
341	Parter and Paper products		0.0	1	88.5	12.6	2,2	88. 5	7.4	2.0	
342	Printing and publishing 2		•	I	•	•••	•	1	1	•	
		150.3	30.1	40.2	h 396.8	199.5	34.7	1547.1	128.9	35.1	
50	CHEMICAL, FEINOLEUM, NUBBEN & LENGTY	Ċ	75 2	ĸ	646.7	92.4	16.1	723.5	60.3	16.4	
351/2	Distribution of Concession of	9 0/ 2 1/	14.3	1.61	6.4.99	95.0	16.5	736.5	61.4	16.7	
200			4		•	1	: 1 ?	1	•	I	
	Ditter and on a contraint of the second of t		0.0	2 -0	72.9	10.4	1.8	73.9	6.2	1.7	
355	Nuccer products, takes.	, r , r			8.11	7.1	·, 0.3	12.9	1.1	0.3	
900			2 4	ן קייק קייק	6649.0	95.6	- 16.6	688.1	57.3	•	
36	NON-METALLIC MINERAL PRODUCIS										
361	Pottery, china, carthenware	•	•	1	1 220	- 72		260 0	2 12	5.9	
362	Glass and glass products	3.2	0.64		1.002	2			5		
369	Other non-metallic mineral products	15.8	3.16		412.4	2.2	7.0T			 	
37	BASIC METAL INDUSTRIES	10.4	2.08	2 .8	56.3	8.0	1.4	8			
371	Iron and steel basic industries	10.4	2.08		56.3	8.0	1.4	66.7	0 1	•••	
372	Non-ferrous metal basic industries	•	•	1	•	•		•	•	 	
2	FARRICATED METAL PRODUCTS, MACH. & EQUIPMENT	28.3	5.66	7.6	285.0	40.7	1.1	-313-3	26.1	7.1	
381	Fabricated metal meducta except mach. & equipment	í 1	2.1		122.2	17.5	3.0	132.7	1.1.	~	
382	Non-alastrical machinery	19 6	1.9	2.5	121.2	17.3	0.0	130.8	10.9	0.0	
206			1.66	:	41.9	.9	1.0	50.2	4.2	1.1	
100	Lacurda macinustry, application Training and any application	• 1	•		•	•	•	. 1	٤	•	
385	Professional & scientific control equipment	: I	•	1		1	1	•	1	1	
		•	•	•	1	1	I	•	1	1	
38	OTHER MANUFACTURING INDUSTRIES	275 B	7. 86		4025.0	574.9	100.0	4400.8	366.8	100.0	
e	TOTAL MANUFACTURING	0.070	*	3	المعرور	× • • • •					-

Source: Calculations are based on table C-19 Appendix C.

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Tabie No. V.10 Syria,

CUMULATIVE CAPITAL INVESTMENT IN THE PRIVATE SECTOR INDUSTRY, SELECTED PERIODS 1968-1977, (SL MILLION AND PERCENTAGE AT CONSTANT PRICES 1970-100)

			1968-70			11-1161			1968-17	-	ſ
	Category	Cmltive 1968-70	Armual	¥R	Caltive 71-77	Arminel	¥	Caltive 68-77	Arrent	×	
	FOOD. BEVERAGES AND TOBACCO	6.45	2.15	19.83	40.42	5.77	20.84	46.87	4.69	20.72	
	311/2 Food manufacturing	5.9	1.97	18.17	36.91		19.03	42.81	4.28	18.9	
212		0.55	0.18	1.66	3.5	0.5	1.81	4.05	14.0	1.81	
			•	1	1	1	•	•	1		
		ALCL	4.05	37.36	43.42	6.20	22.39	55.56	5.56	24.57	
32	TEXTILE, WEAKING AFFAKEL AND LEATINE	8 41	2.81	25.92	25.91	÷	13.36	X .X	3.43	15.16	•
321							10.7	7 × 7		Y X	
322	Wearing apparel	2.31	11.0	1.10		4.5		12.44			
323	products	A		1.0	8.1		2	17. 1		8	
324		0-8	0.27	2.49			8	2	\$	K	
33	WOOD AND WOOD PRODUCTS	1	1	•	1	1		•	,		
331		1	•	•	1	1	•	1	1	1	
332	Extures	1	1	1	1	1	1	•	1	1	
34	PAPER. PAPER PRODUCTS, PRINTING & PUBLISHING	1	1	1	1	•	1	•	1	•	-+
341	Paper and Paper products	•	1	1	1	1	1	1	1	1	
342	Printing and publishing	1	1	I	•	•	1;	1	1	-	
35	CHEMICAL PETROLEUM, RUBBER & PLASTIC PRODS	3.96	1.32	12.18	33.25	4.75	17.15	37.21	3.72	16.44	
351/2		3.04	10-1	9.32	23.15	3.31	11.95	26.19	2.61	11.53	
353				()			1	1	1		
354	Misc. products of petroleum & coal	•	1	•	1	1	1	1	1	1	
355	Rubber Draducto. D.e.C.	0.54	0.18	1.66	5.37	0.77	2.78	5.91	0.59	2.61	
356		0.38	0.13	1.20	4.72	0.67	2.42	5.1	с.5 И	2.25	
7	RAL PRODUCTS	1	1	I	1	1	1	1	1	1	
361		•	•	•	1	1	1	1	•	1	
362	Glass and glass products	1	1	1	1	1	1	1	•	1	
369	Other non-metallic mineral products	•	1	1	1	1	•	1	•	1	
37	BASIC METAL INDUSTRIES	1	1	1	•	1	•	1	•	•	
371		•	1	1	1	1	1	•	1	1	
372	Non-ferrous metal basic industries	•	1	1	•	1	•	•	•	1	
38	FABRICATED METAL PRODUCTS, MACH. & EQUIPMENT	% .6	3.32	30.63		10.96	39.58	86.69	8.67	36.21	
381	Fabricated metal products except mach. & equipment	8.05	2.68	24.72	61.84	8.83	31.69	69.69	6.9	8.0	
382	Non-electrical machinery	91.1	0. 39	3.60		1.25	4-51	9.89	0.99	4.37	T
383	pliances	0.74	0.25	2°.3	6.15	0.88	3.18	6.99	0.69	<u>ي</u> ع	
384	Transport equipment	1	1	1	1	1	•	1	•	•	
385	Professional & scientific control equipment	1	•	•	1	1	•	1	•	1	
39		1	-	1	1	۱	1	1	١		
	TOTAL MANUFACTURING	7 32.51	10.84	100.0	193.83	27.69	100.0	226.34	22.63	100.0	
		-	-								

Source: Calculations are based on table C-20 Appendix C.

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	1966	- - -	0 ~	197		9 7 7	9 6 1		
	Cumulat.	Launa	Per	1971-77	Amual		11-9961	•	ver t
	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	14.71	21.11	7 16 . 82	105.26	19.24	820.37	68.36	19-61
FOOD, BEVERAGES AND TUBALLU				X X X	З Х	15.82	682.2	56.85	N6.3
~					6.2	1.08	43.69	3.64	50.1
313 Berenges	2.2	3	1.48	8	13.6	2.49	100.31	8.36	2.40
314 Tobacco					Jan Ka	דר או	768-86	64.07	18.42
TEXTILE, WEARING APPAREL AND LEATHER	155.20	120.51	והיהד			15 26	652,000	54.42	1:56.4
321 Textiles	125-29	ושינו	10.21	201-04		12:28	1	5.21	1.51
322 Vening apparel	1	1	1	07.02		2	52.15	1	1.25
Lether product	1	1	1	21.22				1	
324 Pootwear		•							8
WAAA AND WAAD PRODUCTS	0.58	0.12	11.0	76.6	0.48	%	2.2	0.33	5.0
	0.58	2.0	0.17	3-37	94-0	800	8	66.0	800
						ł	•		•
	1	1	1	88.47	12.64	2.11	1 <u>88</u> 47	7.37	2.5
PAPER, PAPER PRODUCIO, FAUNILINO & COMM							88.47		2.12
341 Paper and Paper products	•		•	14-00					
1			1	2 - 7 - 1	1	25.60	7500-83	125.82	76.17
CHEMICAL PETROLEUM, RUBBER & PLASTIC PRODS.	146.33	12.62	42.01	C. 2 0C1			ц.	4	14 31
at 10 Chained and the	73.84	11.11	21.48	623.67		10.20	-	- ÷-	
	71.51	ומייזנ	20.8	64.9	116.47	21.28	138-47	13.90	212
Ni metres of metres of one		1	1	1	1	8	1		
	0.5	0.1	0.15	67.7	19.67	1.77	68.2	2.00	F0-1
	1		0.0	7.0	1.0	0.18	1.1	0.64	0.18
356 Plastic products, B e.c.				10 077	C		688.14	57.35	16.49
NON-METALLIC MINERAL PRODUCTS	19.13	3.05	10.0	10.600					1
	•	1					+-	2 80	6.27
Class and class products	1 3.23	0.65	56.0	220.022			÷		
Arter and metallic mineral product	15.9	3.18	4.63	i		10.11	4	1	
	30.38	2.08	3.03		8.05	1-47	66.71	5.56	8
	8, 01	2.08	1.03	56.33		1-47	[[66.7]		1.60
371 Iron and steel basic industries	~~~~				•		1	1	1
372 Non-ferroce metal basic industries				<u> </u>			20K. Ro	18.00	5.43
FABRICATED METAL PRODUCTS, MACH. & EQUIPMENT	18-45		15.5				4		S S
1.1 Fabricated metal products escept mech. & equipment	2.53		7.36				+ 62.81	-	
	<u>8.39</u>		2.44	1	1		-	10.01	
Flactical machinery, appliances	1.64		2.21			56.0	43.24	-	
	•	•	8	1	•	1	•	•	,
Destantional & scientific control equipment	•	1	8	1	•	1	8	•	8
	1	1	I	ł	•	,	•	1	•
OTHER MANUFACTUNING ENDOUND	1	KA 75	0.001	3820.51	547.2	100.0	4174.3	347.86	100.0
	5	000	>•>>-		ţ				

(V-11) STRIA. CURULATIVE CAPITAL INVESTIGAT DI THE PUBLIC SECTOR DOUSTRY SELECTED PERIODS 1966-1977 ž Tette

Source: Calculations are based on table C-21 appendix C.

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Imployment trends and structure in manufacturing

Employment in manufacturing totalled 198,259 workers in 1977, almost 10.4 per cent of total employment in the economy. During the period under study employment in manufacturing has doubled; increasing from 96,498 workers in 1963 to 198,259 in 1977 and representing an average annual rate of growth of 5.3 per cent. However in the two sub-periods 1963-1970 and 1970-1977 the annual rate of growth of employment in manufacturing doubled, rising from 3.5 per cent to 7 per cent in the two periods respectively. (Table V.12 and V.13).

The two major industries in terms of contribution to MVA are also the dominant employers; textiles, wearing apparel and leather industries absorbed in 1977, 42.4 per cent of those employed in manufacturing and the food beverages and tobacco industries employed another 26.6 per cent. The major other employer industries contributed a much lower share, furniture and fixtures absorbing in 1977 6.7 per cent of total employment other non-metallic mineral products accounting for another 5.1 per cent.

The structure of employment has not changed markedly since 1963. However, significant changes were recorded in three industries: textiles, food products and furniture and fixtures. Employment in textiles experienced over a five fold increase, from 11,837 in 1963 to 60,707 in 1977, and their share in employment in total manufacturing jumped from 12.3 per cent to 30.6 per cent in the two years respectively. The remaining two industries experienced a reverse trend; the share of food products in total employment in manufacturing dropped from .28.2 per cent in 1963 to 20.2 per cent in 1977 and in the furniture and fixtures industry from 12.5 per cent to 6,7 per cent respectively.

In the 1063-1970 sub-period employment in manufacturing increased from 96,498 to 123,127 workers indicating an average annual rate of growth of 3.5 per cent. But for most industries the average annual growth rate of employment was negative or recorded a very small growth. (Table V.13). This was especially true in the private sector where employment dropped sharply after the nationalization and did not make significant gains until 1970. (Tables V.16 and V.17). The public sector, on the other hand, increased its employment from 34,766 workers in 1966 to 46,502 workers in 1970 or by 33.7 per cent.

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			^ I.		<u>٦</u>					arcentege			
				}				!			•	•	-
Manufacture of Food, Brunngs, and					ļ		ł			ì			
Tatacco	12 X	35.6	1 2	~.4	3	8.8	2	2-2	9, X	\$.¢			
311/2 Food Preducts		28.2	26 320	2 8. 6	21 5%	22 -1	100 21	21-1	660 01	2 0. 2			
31.3 Beveringes	en c	6-0	616	6-0	5	6-0	1 756	1-0	2 d37	.			
314 Tutestoo	5 22Y	6. 5	9 6 JK	6.7	9 6 J	\$ • •	9 037	ž	9 74	4.9			
2 Testile. Wearing Apparel and Leather	ł	ł	1	0.02	,	1.01	1	0.64		1 .5			
	ŗ.												
321 Toxeebee	168 11	12.3	12 350	6- 21	37 666	1 . 0	¥ *	31.2	5	9.0			
322 Wearing Apparel, cacept footweer	ofðví ∻	9 .9	611.9	6.E	1 662		7 8	1.9	15 1	· a · L			
325 Leather and Products	5.0%	7 •2	2 417	7 *7	1 (192	1.5	5 293	1-8	9 6 10	6.1			
124 Footwar	1 121	7*5	1 318	1.3	3 86 5	1.6	128 1	2.1	1.12	2.1			
33 Manufacture of Wood Products incl			2	2		8 .7	119 01			8. 0			
			2	3	6								
(3) Wood and Cerk Products, except Furniture	3	B(3 745	8. č	1 678	1	5 351		5 2 10	·			
13.4 Furneture and Piztures	12 104	2.5	10 160	10.2	880 6	1.5	9	6.9	13 249	6.7			
34 Manufecture of Paper and Paper Prefucts.		, ,			1	¢	UE 7	0.1	1	0-1			
	-	3	-				•						
41 Paper and Preducts		0.2	181	0 •2	212	2.2	ŝ	0.2	1	2.0			
342 Printing, Publishing	1 26	1.1	1 372	14	8	0.8	226	0.8	7 64	0.8			
Manufacture of Chamacala and Chemical. Percoloum Caal, Rubber and Plasta	6	; ;	ę 5 8 2	é3	969 5	4.8	9 267	5-1	N YAK	۲۰ ۶			
							P.O	10	12	9-5			
361 Lockettral Chemicale		•		, '	i		ì						
18% Other Chemical Products	5	10 - 	5 813			1-1	,	1		1			
						1		•		•			
SA Miss Petrology Contractor		• 2	ŝ	. 1	171	011	1 465	0.0	1714	6-0			
355 Rubber Products	ļ	; ;			; ;		ţ						
Bis Flustic Products F.F.	8		Ĩ	3	24		2	,					
36 Manufacture of Nun-Metallic Muneral Products Escan Products of Petroleum													
and Con	7 174	1.4	ð -	7.6	1 523	6.1	602 6	5.1	11 956	6.0			
1. Determine and		.						'		-			
	1 848	1.9	1 770	1.8	1 32	1.2	101	6.0	1 7 37	0-9			
369 Other Non-Metallic Mineral Premiects	1	, <u>,</u>	5135	5.8	5	4.9	1 28	4.2	10 221	5.1			
Basic Mirtal Imbustries	621	9.0	8	0.0	537	1.2	3 821	2.1	8	2.3			
371 Iron and Steel		•	ĺ	•		•	ş	6.9	101	0.5			
372 Non-Ferrous Metals	621	9-0	706	0.8	- 55	1.2	3 212	1.8	5 493	1.8			
 Mumilacture of Fabricated Metal Pretucts. Mochanery and Equipment. 	· 6 572	6.8	1 522	7.6	9 18 3	7.5	761 61	1.3	716 21	1.1			
B1 Metal Products, escape mach													
and ryuipment.	5 552	8 •2	ê 105	6. 2	6 235	5.1	5 OLA	4-5	7 8002	6-(
312 Non-Electrical Machinary	9 K9	0.7		0-B	1 550	[·]	2 8 63	1.5	Ĭ	2.1			
M.S. Electrical Machinery	폋	7 0	637	9.0	1 396	1.1	2 430	1-1	166 6	1-1			
264 Transport Equipment		•		ı		ı		ı		,			
Professional Scientific goods etc		١		•		•		•		•			
6. 360 Other Menufacturing Industries	2 866	3.0	2 87.4	2.9		1.5	2	0.B	-	0-7			
MANUFACTURING TOTAL	R 4 <i>X</i>	100.0	1	100.001				1					

<u>Source</u>: Caleriations are based on Table C-25, Appendix C.

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Table	No. V-13	Syria,	Average	Annual	Growth	Rates	of E	Imployment	TU (verall
	Manufa	turing	Industry	, Selec	ted Per	riods	1963-	-1977		
		-	-	(Ра	rcenta	2ne)				

ISIC Code	Catogory	1963-65	1966 -7 0	1971 -7 5	1976-77	1963-70	1970-77	1963-77
31 X	ANUFACTURE OF FOOD, BEVERAC	2.31	0.44	6.13	3.24	0.97	5.29	3.11
311/2 313 314	Food products Beverages Tobacco	2.10 2.44 3.20	0.57 3.40 3.95	6.64 10.26 3.66	2•72 27•03 0•40	0.19 3.12 3.74	5.51 14.81 2.71	2.81 8.81 3.22
32. TE	XTILE, WEARING APPAREL AND ATHER INDUSTRIES	2.52	16.31	9.80	4.14	12.19	8.15	10.15
321 322	Textiles Wearing apparol,except	2.14	21.56	8.66	4.03	1 7. 69	7.32	12.39
323 324	footwear Leather and products Footwear	2•59 1•41 8•14	2.72 -5.49 8.72	13.17 12.57 13.80	26.26 4.71 4.78	2.69 -3.57 8.55	16.76 10.26 11.15	6 .5 4 3.11 9.84
33•	MANUFACTURE OF MOOD PRODU INCLUDING FURNITURE	JCTS -6.02	-5.11	6.43	3•92	-5.37	5.71	0.02
331	Wood and oork products except furniture	1.43	-14.83	6.98	3.73	-10.47	6.04	-2.56
332	Furniture and fixtures	-8.38	-2.35	6.33	3.95	-4.11	5.65	0.65
	NUFACTURE OF PAPER AND PA ODUCTS, PRINTING & PUBLISH		-4.29	5•93	8.97	-2.03	6.79	2.29
	Paper and products Printing, publishing	2 .21 4.10	2•54 - 5•39	7.19 2.05	10.91 8.54	2•45 -2•77	8.24 3.86	5.30 1.75
CH	NUFACTURE OF CHEMICALS AN EMICAL, PETROLEUM, COAL, RUB D PLASTIC PRODUCTS		-1.50	9.68	6.48	-0.55	8 .76	4.00
352 353 354 355	Industrial ohomicals Other chemical products Petroleum refinerics Misc.Petroleum, ooal prod. Rubber products Plastic products n.o.o.	2.32 -1.26 2.85 44.51	-5.76 1.49 -3.34 27.26	0.96 10.93 4.07 5.93 10.36		-3.52 0.70 -3.61 31.97	3.37 8.42 4.43 6.09 14.62	2.27 2.55 - 2.17 22.99
36. MA MJ	NUFACTURE OF NON-METALLIC NERAL PRODUCTS, EXCEPT PRO PETROLEUM AND COAL		0.05	4.13	13.95	0 .6 8	6.85	3.72
362	Pottory, china eto. Glass and products Other non-metal.min.prod.	_ _2.13 3.77	- -2.93 0.90	2•27 4•58	0.87 16.73	-2.70 1.71	1.87 7.91	-0.44 4.77
371	SIC METAL INDUSTRIES Iron and steel Non-ferrous metals	12.50 12.50	14.17 	20.17 13.82 16.07		13.69 13.69	17.05 21.58 12.57	
38. MAN PRO	NUFACTURE OF FABRICATED ME DD. MACHINERY & EQUIPMENT	TAL 6.98	4.07	7.42	7.98	A.90	7.58	6.23
381 382 383 384		4.86 10.57 29.14	0.42 14.72 17.03	5.23 11.43 11.69	-1.52 25.05 17.43	1.67 13.52 20.36	3.25 15.16 13.30	
385	Professional, soienti.good	s et o -	-	-	-	-	-	-
39.390 3.	OTHER MANUFACTURING INDUSTRIES MANUFACTURING: TOTAL	-0.21 1.37	-8.08 4.43	-6.03 7.88	3.06 1.96	-9.54 3.54	-3.52 7.04	-6.57 5.28

Source: Calculation, based on Table C-25, Appendix C.

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1/ Base year 1972

The highest growth in employment during this period was exhibited in the basic metal division, where employment grew at an average annual rate of 13.7 per cent. This high increase in employment took place in the private non-ferrous metal. (Tables V.13 and V.16).

The textile, wearing apparel and leather division has also demonstrated a high rate of growth in employment during the 1963-1970 period. The rate averaged 12.2 per cent annually. The employment increases in this division were largely provided by the public sector, especially, in its textile and wearing apparel industries. (Tables V.13 and V.14).

Employment in the fabricated metal products division showed an average annual growth rate of 4.9 per cent. Again this increase in the employment was primarily in the public sector, which recorded an average annual growth rate of 12.4 per cent during 1966-1970.

In the 1970-1977 sub-period, performance in employment in manufacturing has been better than in the earlier period, increasing from 123,127 to 198,259 workers, or an average annual rate of growth of 7.0 per cent. The average annual growth rate in the private sector was higher than in the public sector in this period. 8 per cent as against 5.3 per cent, respectively.

The highest rate of growth in employment occurred in the basic metal industries where employment grew at an average annual rate of 17 per cent. Employment in the public sector's iron rods plant increased at an average rate of 21.6 per cent. In the private sector the non-ferrous metals industry employment grew by 12.6 per cent annually.

The chemicals, petroleum, rubber and plastic industry division exhibited the second highest growth in employment averaging 8.8 per cent annually. The private sector showed a higher average annual employment growth rate (11.1 per cent) compared to the public sector (7.2 per cent). The employment gains of the private sector occurred in the plastic and rubber industries. In the public sector, the large increases were in other chemical products industry.

	Inductor, Selected Periods 1965-1977 (percentage)	atta Perlo	te 1967-19 7	7 (percent		6			140 AV
						-			+-
Code Camerov	1963-65	01-9961	1 971-7 5	17-2761	1963-70 . 1970-77	17-0791	1967-77		and contraction
문 물 나	3.8	18.06	8 .4	3.77	13.62	£1.4	8.77		-
311/2 Fond Products		8.31	9.7	95-1	.	5.28	6. 37		
31.3 Beverages	•	18.26	21.54	0.12	•	15-05	16.21	•	
314 Tobacco	3.20	3.95	3.66	0.40	3-74	2.71	3.22	•	
32. Textile, Wearing Apparel and Leather Industries	•	8.41	4.12	2.92	I	3.78	5-44		
32ī Textiles	•	8.66	3.92	3-11	•	69-6	5-47	.	-
322 Wearing Apparel, except footwear	•	6.60	837	-0-55	, , ,	5-75	6.05	•	
	•	-2.72	2.54	3.62	• •	2-84	64. 0		
334 Footwear 33 Manufacture of Wood Brockers (not	•	•	1	1	•	1			
S. MANUSCUE OF WOOD FTOORER US.	ł	5.66	8-77	3-20	•	7.15	4.13		
331 Wood and Cork Products, escept Furniture		3465	8.77	3.20		7.15	4.13	•	
334 Furniture and Fistures	•	•		•	1	ı			
34 Manufacture of Paper and Paper Products. Printing and Publishing	•	90°6	10.83	15.77	ı	12,22	п.ю		-
34.1 Paper and Producta		90° 6	10-83	15.77	' 1	12.22	11.06		
342 Printung, Publishing	1	•	1	1	1	-			
36. Manufacture of Chemical and Chemical Petrolecum Coal. Rubber and Plastic Products	-1.26	13.59	8.02	5.32	9.13	7.24	8,16		
351 Industrial Chemicals		•	√ل ئو_0	7.10	1	Jr <i>E</i> · <i>E</i>	1		
352 Other Chemical Products	T	95°71	10.14	6.35	ı	9.04	10.32		
	-1.%	1-49	1.01	5.32	0.70	4-43	2.55		•
	•	•	, ,	ı	ı	•	1		-
	•	8.92	96 °0	3.63	•	1.73	8.4	ĸ	• • •
356 Plastic Products n. e. c.		22.03	0.55	0.19	•	0.45	7.82		
 Manufacture of Non-Metallic Mismeral Products. Except Products of Petroleum and Coal 	ı	6.17	1.75	21.89	ı	41. 7	6.73		-
36) Pottery china etc.				I		1			-
	·	5-74	2.43	9 5 0	ı	1-69	3.27 e 25	i	
39. DORF NOT-METALIC MIRETAL PTODACLA 37. Basic Metal Industries		£ -	13.61	7	• •	20.50			
371 Iron and Steel			13.62	X- 21		21.594			I
372 Nan-Ferrous Metals	•	•	1	1	•	1			
28. Manufacture of Fabricated Metal Products. Machinery and Equipett	1	12.35	19.65	17-93	ı	19.15	16.63		
361 Metal Producta except mach	1	23.60	2.20	90 - 95	I	££.91	20.94		
and oquippenent.		8	5	9		9	11 42		- 1
MA Electrical Machinery	•••	2.EI	57-12	19.61		20-72	17.93	ĩ	2 2 2 1 2 1 2
	ı	1	•	•	,	•			
365 Professional Scientific goods etc.	•	1	•		1	1			
29. 300 Other Manufacturing Industries	1	1	ı	•	•	•	1		
3 MANUFACTURING TOTAL	2.13	7-54	5 .09	5.96	28.07	5.34	16.15		
Source: Calculations based on Table C-27.	Appendix .								

Table (V-14) Syria. Average Ammil Rates of Growth of Majloyant for the Phills Sector inductor. Saleved Periods 1955-1977 (percentage)

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Source: Calculations based on Table C-27, Appendix C. 1/ Mass year 1972

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of Land Bronnage and Land					1			2	5		Ì		-	
Ceeptry Manufacture of Food, Browngau and Tobacco 2 Food Products 2 Food Products	5	6 J	1 9 6 5 Performed	65 Parcentage	Instant P	6 6 Percentage	1 2 F	7 0 Paramtue		9 7 5 Furtomitae	1 9 7 7 Funder Furces tage	T T		
Manufacture of Food, Brownigne and Tobacco 2. Food Products 	1		: : :	i.										
2 Food Products Beverages	6 229	75-7	¥€9 9	71-3	12 833	6-3	15 228	8.2	18 776	31.5	027 Q2	2.02		
2 Food Froducts Beverages		.		•	5 064	24.6	1669	15.1	8 667	K- 2	160 DT	•••		'
Beverages				•	16	2.6	178	4 •0	472	0 . 8	475	· · ·		
T-back	6 220	- 15.7	X 69 9	т.)	7 658	22.0	8 0 53	ц.,	9 637	7 6. 2	P116	ŝ	- +-	
Textile, Wearing Apparel and Leather								ţ	ell m	45.5	28 728	42.9		
		ı		•	16 Old	46-1	8				1			
1		•		1	15 017	43-2	966 oz	45.1	22 28 28	42.0	R -	2-2	-	•
	•	•		1	759	2.1	£	2.1	କୁ (-		1	,	-	
		ı		•	9 2	0.8	240	6	212	3	Ş		-	
325 Leather and Products		•		•		1		•		•		•		
334 Footwear							ł	đ	199	1.1	6 9	1-0		
		ı		1	¥	2	Ş			1	997	1.0		
i.				•	i.	1-0	2 4	6 -0	i		Ì		•	
	•	ı		1		•		•		•				
AL PERSON AN PART AN PART Froducts.									1	ć	91	0.2	-	
		1		1	4		~	-	-			1		
				1	4	0.1	9	0-1	4	0.1	9	N 1		
		ı		•		•		۱		•			Ţ	
34. Manufactures of Chemicals and Chemical.														
Petroleum, Cosi, Rubber and Plantic	-		1	23-7	1 1	5-2	3 681	6-1	5 423	9.1	6 015	0°6		
Profests	~							.	3	I	74	51	,	
361 Imputtial Chemicals		ı		• •	5	0.1	612	F-1	8	1-7	1 122	1-1		,
Just Other Chemical Prochects		•		- 1 -			8	4.5	J. ~	£: 1	2 Bud	4.2		
363 Petroloum Reflection	5 000	24-3			3	•		•		•		1	1	
384 Milec. Petrolem, Coal Profecte		I		۱		1.5	22	1.6	%	1.3	10	1.2	- T -	
366 Rubber Products		•			1	è	Ĩ.	5.9	9	3	261	4		
366 Pleatic Products n. e. c.		•		•	H	3	27.							
Manufacture of Non-Metallic Manual				- 4 -										
Products, Except Products of Furthered		ł		1	2 3 8	8. 6	3 801	8-2	4 152	-4	991 0	ž		
				•		•		1		•		•		
		•		under	910 1	, ,	1 270	2.7	1 432	2.4	1 446	2-2		
and Glass and Products		·	•	• •		. 5	2 537		2 720	4-6	4 720	0.L		
369 Other Non-Metallik Minutal Products		•				•		1	6 3	1.0	1 021	1.1		
1						.		'	ş	1-0	1 091	1-7		
371. Irren and Staal		۱		•	i : ∔.	ł	•	. •		•		1		
373 New-Perrows Martals		•		•		•								
3. Manufacture of Fabricated Marial Products.	si l								191 0	5.4	NM 1	4		
		•										•	-	
36) Matal Producta, eccept math		ı		۱	*8	0.2	õ	3	Ŕ	5 -0	%	1.0	-••	
-				•	¥.	0-1	472	0*1	1 221	2-1	;	2+2	- +	-
MR Non-Electrical Mechinisty		•	*	•	i	9.0	Sàt	21	1 230	2-1	1 737	2.6		
No. Electrical Machinery		•	•		1			1		'		•	اس ا	
MA Transport Equipment		•	•	• - •				•		1		1		
345 Professional Scientific pools etc.		•						'		1		•		
0. 300 Other Manufacturing Industries		•		!					20.00	1	110 79	100.0		

Source: Caloviations are based on Table C-77. Appendix C.

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fabile (T-16) Syrta. Settor In		Man of Grow	Ammeni Rabes of Growth of Emiloyamit for the Private mitry in Salected Feriods. 1965-1977 (percentage) (1) (2) (3) (4) (6)	977 (Jaron	0	£	E E	(10) (5)	i I	(11) (21) (11)	(14)
										•••	
LEAC Code Catagory	1963 1963 1963	1966-70	1971-775	1976-77	1963-70	1970-71	1967-11		•	*	
3) Masufacture of Food, Beverages and Tehesco	2.11	-6. 01	7.37	2.91	-3.76	6.08	1.04				
311/2 Food Products	2.10	-6.23	7.37	1.24	-3.92	5.58	0.72				
314 Beverages	2.44	12.0	1.37	35.53	0.50	14.76	7.39				•
314 Tohacco	•	•	'	,	1		-				1
32. Textile, Wearing Apparel and Leather Industries	2.52	2.96	13.60	4-79	2.83	11.15	6,91			999. · 222	
221 Textiles	2.14	543	13.60	4,78	4.4	11.15	7.76			н Р. .	,
322 Wearing Apparel, except footwear	2.59	8.9	13.60	4.79	11-0	11.15	5.40			· ••••	•
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	13.61 13.61	4.8	-5-50 8-8	11.16 11.15	2.50 9.84			. 2001 1	
23. Manufacture of Wood Products Incl.	8.9	-5.86	6.33	3.95	-5.92	5.65	Q. Y				
Turners	143	-19.46	¥.9	3.2	-14.13	5.65	-4.75				
	R 7	-2.35	6.33	3.95	Т	5.65	0.45				
34 Manufacture of Paper and Paper Products. Printing and Publishing	3.67	-5.20	5.67	8.S	-2.69	6 48	1.79				
341 Paper and Products	2.2	19°£-	5.68	8.50	-2.13	6.48	2.09				•
	4.10	-5.39	5.67	8.54	-2.77	6.48	1.75				I
25 Manufacture of Chemicals and Chemical, Petroleum, Coal, Rubber and Plentic Products	¥.5	-13.12	N.N	8.09	11.9-	ю.п	11.0				
361 Industrial Chemicals	 '				 1	-				-	
362 Other Chemical Products	2.32	-12.06	11.26	0.77	-8.17	8.15	¥.°				•
363 Petroloum Refluctive	ı	•	•	•	1	•	I				•
	,	·		•	•	•				•	•
366 Ruthter Products	2.85 44.51	-20.16 9.25	, 85.81 10.91	9.07 37.18	-14.17 18.34	11.40 23.55	-2.22 20.92			•	•
as raute remeats e.e Manufacture of Non-Matallic Maneral Products, Except Products of Perodum and Coli	2.2	n.tı-	X	7.01	-8.97	¥.9	-1.52			•	
And Andrew					1						
	-2.13	-32-07	4	2.5	-24.60	1.75	-12.41	-			
269 Other Non-Metallic Mineral Products 27 Read: Meral Industria.	F. 5	-9.61	6.69 16.07	1.26	96-5- 11-69	6.85 12.57	0.23 13.13				
			,			'	1			•••	
372 Non-Ferrous Macals	12-50	14.17	16.07	4.28	13.69	12.57	13.13				
 Manufacture of Factrand Metal Products, Michinery and Equipment 	9	-1-55	5.16	5.13	2.93	5.15	4.03				
36) Marcal Products, encrept mach	4	1 1 1 1 1	5.16	8 7	61.1	2.36	1.78				n
and equipment.	10.57	69*9	5•15	16.64	1.78	14.09	10.89			•••	• •
363 Electrical Machinery	29.14	. 7.95	, 5.16	15-96	13-61	8.15	10.84	•	•		
284 Trunsport Equipment	•	1 : 1	•	•	ī		1			•	•
200 Professional Scientific goods on: 0. 300 Other Manufacturing Industring	' q.	8		3.06	- 2.9	-3.52					
3. MANUFACTURING TOTAL	1-20	-3.29	9.45	41	-2.00	8.00	2,00				
								•		•	

Source: Calculations are based on Table C-26, Appendig C.

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Table No.(T-17) Syris. Employment and Tercentage Shares of Nanufscturing Industry Classes in the Private Sector, Selected Tears 1955-1977

9 6 1 1 9 6 3 1 9 6 3 1 9 6 3 1 9 6 3 1 9 6 3 1 9 6 3 1 9 6 3 1 9 6 3 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 1 1 9 7 3 <th1 1="" 3<="" 7="" 9="" th=""> <th1 1="" 3<="" 7="" 9="" th=""> <th1< th=""><th></th><th>an an a</th><th>e</th><th></th><th>Private Sector.</th><th>tor. Jelected</th><th></th><th>67-1977 0</th><th>e</th><th>e</th><th>60</th><th>00</th><th>- U</th><th>91</th><th>N1</th></th1<></th1></th1>		an a	e		Private Sector.	tor. Jelected		67-1977 0	e	e	60	00	- U	9 1	N 1
Mark Names Rate Name Rate Name Rate Name Rate Name Rate Name Rate Name Nam Nam Name			in .									-			
Risk Hat Title Hat	¥	_	12		Purcentage	1	Peromiter	1	Prost in						
Bold Lio PS Lio Lio <thlio< th=""> Lio Lio Li</thlio<>	Cat Canada							- !							
T139 Del 333 Del Del <thdel< th=""> <thdel< th=""></thdel<></thdel<>	31 Manufacture of Food, Beverages and Tobacco	×.	8.11	i k	1.0	100	Ś		0-W	00 Y 00	*	2	ž		
100 110 <th>311/3 Food Products</th> <th>21 19</th> <th>8.8</th> <th>28 350</th> <th>1.11</th> <th>20 117</th> <th>2.8</th> <th>95 Q</th> <th>8.8</th> <th>2014</th> <th>24.4</th> <th>88</th> <th>2.2</th> <th></th> <th></th>	311/3 Food Products	21 19	8.8	28 350	1.11	20 117	2.8	95 Q	8.8	2014	24.4	88	2.2		
R164 a.4 Z 200 D.3 B17 D.4 D M1 D.4 D M1 D.4 D M1 D M1 <thd m1<="" th=""> <thd m1<="" th=""> <thd m1<="" th=""> <thd m1<="" th=""> <thd m1<="" th=""></thd></thd></thd></thd></thd>	11. Beverages	26	1.0	1	1.0	8	1	8	1.2	98 1	1.1	2 362	91	r –	
R164 R4 R91 R41 R41 <th>314 Tohacco</th> <th></th> <th>1</th> <th></th> <th>1</th> <th></th> <th>•</th> <th></th> <th>•</th> <th></th> <th>ı</th> <th></th> <th>•</th> <th></th> <th>1</th>	314 Tohacco		1		1		•		•		ı		•		1
Line Line <thline< th=""> Line Line <thl< th=""><th>32. Territle, Wearing Apparel and Leather Industrian</th><th>5</th><th>7</th><th></th><th>ž</th><th>ş</th><th>ŝ</th><th></th><th>2</th><th>5</th><th></th><th></th><th></th><th></th><th></th></thl<></thline<>	32. Territle, Wearing Apparel and Leather Industrian	5	7		ž	ş	ŝ		2	5					
2190 714 713 713 713 713 714 713 714 <th></th> <th>:] :</th> <th></th> <th></th> <th></th> <th>2</th> <th></th> <th></th> <th></th> <th>Ř</th> <th></th> <th>2</th> <th></th> <th></th> <th></th>		:] :				2				Ř		2			
2.30 2.1 2.41 2.1 1.04 1.1 1.104 1.5 1.04 1.05 1.05 1.05	241 Italian 242 Weather Americal excess footwaar	* *	1.2		9 1		6-9T		8-7	21 0 61 7	ç 9	22 Ja			
1.17 1.1 1.21 1.2 1.21 1.5 1.54 2.6 2.6 1.6 1.56 1.51 1.56 1.51<	225 Leather and Products		2.7		2.7	1 06	1	200	2.1	120	2.5		2.5		
15744 11.3 13.995 15.1 12.997 14.5 13.94 13.44 13.45	336 Footwear		1	1 318	1	đ.	2.2	20 0 7	2.6	120 5	5.5	4 195	3.2	Τ-	
13764 11.6 1395 13.1 13.6 1395 13.1 13.6 <t< th=""><th>23. Manufacture of Wood Products Incl.</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>Ī</th><th></th></t<>	23. Manufacture of Wood Products Incl.													Ī	
1.44 1.1 1.03 1.1 1.23 1.13 1.23 1.14 1.24 1.14 1.24 1.14 1.24 1.14 1.24 1.14 1.24 1.14 1.24 1.14 1.24 1.14 1.24 1.14 1.24 1.14 1.24 1.14 1.24 1.14 1.24 1	Plu adhere	15 744	17.8		15.3		¥.5		13.4		9-11		11-5	•	
Lies Lies <thlies< th=""> Lies Lies <thl< th=""><th>201 Wood and Carls Products, escape Paratives</th><th>- m :</th><th></th><th>3 745</th><th>1.4</th><th>1 237</th><th>8-1</th><th>62 T</th><th>3-1</th><th></th><th>1</th><th>1 861</th><th>1</th><th></th><th></th></thl<></thlies<>	201 Wood and Carls Products, escape Paratives	- m :		3 745	1.4	1 237	8-1	62 T	3-1		1	1 861	1		
144) 1.6 1.99 1.1 1.49 1.1 1.49 1.1 1.49 1.1 1.49 1.1 1.49 1.1 1.49 1.1 1.49 1.1 1.49 1.1 1.49 1.1 1.49 1.1 1.49 1.1 1.49 1.1 1.49	103 Purnkture and Fistures	a	1-67	097 07	11.2	8 130	1.21	88	11.8	996 77	8:5	512 51	10.1		
179 0.2 181 0.2 107 1.5 109 1.4 0.2 279 279 279 279 <th>N. Manufacture of Paper and Paper Products, Printing and Publishing</th> <th>-</th> <th>1.6</th> <th>1 559</th> <th>7-1</th> <th></th> <th>7-1</th> <th>1961 1</th> <th>3-6</th> <th>1 573</th> <th>F-1</th> <th>1 69.3</th> <th>1</th> <th></th> <th></th>	N. Manufacture of Paper and Paper Products, Printing and Publishing	-	1.6	1 559	7-1		7-1	1961 1	3-6	1 573	F-1	1 69.3	1		
1 366 1.4 1 373 1.01 1.5 1.01 1.5 1.01 1.5 1.01 1.5 1.01 1.5 2 667 3.6 4.6 4.35 4.6 1.57 2.2 2.131 2.6 3.64 3.2 4.61 3.6 2 667 3.6 3.13 3.13 1.31 3.13 1.375 3.13 1.475 3.2 2.131 2.6 3.75 2 667 3.13 3.13 1.17 0.1 3.13 0.1 3.21 2.96 3.0 1 134 1.5 1.390 1.5 3.146 4.5 3.746 4.6 9.67 4.71 6.7 1 144 6.1 1.970 2.0 2.91 0.1 2.21 0.290 2.6 1 144 6.1 1.795 6.1 2.116 2.2 2.75 2.75 2.75 1 144 6.1 1.795 2.20 3.224 6.75 3.67 4.71 6.7 1 146 1.1 1.96 1.1 1.06 0.1 2.75 2.75 2.75 2.75 1 146 1.1 1.96 1.155 2.0 3.224 2.87 3.89 2.71 <th>MI Press Andrects</th> <th></th> <th>0.2</th> <th>Ħ</th> <th>0.2</th> <th>Ţ</th> <th>0.2</th> <th>ž</th> <th>0.2</th> <th>ŝ</th> <th>0.2</th> <th>239</th> <th></th> <th></th> <th></th>	MI Press Andrects		0.2	Ħ	0.2	Ţ	0.2	ž	0.2	ŝ	0.2	239			
4 000 4.6 4 33 4.0 1 547 2.2 2 131 2.6 3 044 3.2 4 091 2 647 3.0 2 0.1 3.1 9.1 1.1 1 479 1.2 2 921 2.1 2 931 2 647 3.0 2 0.1 3.1 1 479 1.3 2 91 0.1 6 91 2.1 2 94 7.1 2 940 1 314 1.5 1 390 1.5 9.1 0.1 811 0.3 944 711 961 711 1 314 1.5 1 390 0.1 3 116 4.5 3 716 4.6 5 967 4.2 5 790 1 184 2.1 1 7995 2.0 1 281 2.1 2 931 2 73 2 931 1 184 2.1 1 7995 2.0 1 282 2.1 3 991 2 931 2 931 1 184 2.1 2.20 3 212 2.7 3 993 2 993 6 971 6 19 0	XX Princing, Publishing	-	1		1.5		1.5		1	1 370	1-1	1 614		•	
2 661 3.0 2 813 3.1 913 1.3 1 473 1.3 2 921 2.1 2 920 1 314 1.5 1 390 1.5 911 0.3 1.4 0.1 2 921 2.1 2 950 60 0.1 142 0.3 1.1 0.3 1.4 0.1 2 950 - 2 950 60 0.1 142 0.3 11.16 6.3 1716 6.4 5 997 4.4 771 60 11.17 0.3 11.16 6.3 1716 6.4 5 997 4.4 771 5 366 0.1 11.16 6.3 11.16 6.3 11.16 11.1	 Mandfertur of Chemical and Chemical Netroleum. Coal, Rabber and Plantic Netroleum. 	-	3	÷	3	2	52		2.8 2.8	a de la constante de la consta	3.2	164 4	1	Ĩ	
2 667 3.0 2 83.3 3.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 7.1 2.6 697 1.9 2.1 2.6 691 0.1 9.6 1.9 7.1 9.6 691 0.1 9.6 691 0.1 9.6 691 1.4 711 9.6 7114 6.1 142 3116 4.5 3176 4.6 5 991 4.2 5 790 7114 6.1 7795 6.1 3116 4.5 3776 6.1 717 4.2 5 790 5 1 661 6.1 7395 6.1 2.0 1326 2.0 3212 2.7 3691 611 617 1795 6.1 2.0 1322 2.7 3691 261 2.6 3691 2.6 3691 3691 3691 3691 3691 3691 3691 3691 3691 3691 2.6 3691 2.6			ļ												
1.14 1.5 1.390 1.5 511 0.6 451 0.6 697 0.1 96 1 1.5 1.390 1.5 511 0.6 451 0.6 697 0.1 96 1 1.4 0.1 1.42 0.2 81 0.1 221 0.1 221 0.1 979 1 1.66 0.1 1.790 8.1 3.116 4.5 3.716 4.6 5.997 4.1 5.790 1 1.66 5.1 1.790 5.0 2.0 2.22 2.1 3.691 5 5 6.0 5.796 6.1 2.0 1.295 2.0 3.212 2.7 3.691 6 0.7 766 0.9 1.395 2.0 1.295 2.0 3.212 2.7 3.691 6 0.7 776 0.9 1.395 2.0 1.295 2.7 3.691 6 0.7 779 6.1 1.01 1.179 6.01 1.91 1.61 6 6.1 6.1 1.904 10.5 1.991 1.01 1.64 6 6.1 7.9 7.9 1.991 1.91 <th>MR Other Chemical Products</th> <th>•</th> <th></th> <th>2 CU3</th> <th>1.6</th> <th>913</th> <th></th> <th>1 479</th> <th>1.9</th> <th>3 521</th> <th>2.1</th> <th>9% ~</th> <th>2.0</th> <th>,</th> <th></th>	MR Other Chemical Products	•		2 CU3	1.6	913		1 479	1.9	3 521	2.1	9 % ~	2.0	,	
1314 1.5 1.390 1.5 511 0.6 451 0.6 601 0.1 96 6 0.1 142 0.2 0.1 221 0.1 221 0.1 96 7 14 0.1 735 0.1 221 0.1 231 0.1 96 5 14 1795 0.1 3.14 4.5 3.146 4.6 5 071 4.2 5 790 5 146 2.0 1316 4.5 3.146 4.5 3.756 6.1 717 3 693 5 146 2.0 1395 2.0 1395 2.0 1322 2.7 3 693 641 0.7 756 0.3 759 6.1 540 4.5 3 693 691 0.7 756 0.3 1595 2.0 3 222 2.7 3 693 691 0.7 759 2.0 1 295 2.0 3 222 2.7 3 693 691 1.5 7 56 0.3 1 295 2.0 3 222 2.7 3 693 691 1.5 7 56 1.355 2.0 3 222 2.7 3 693 611	363 Petroleum Rodineries		•	•	•		•		ı		÷ i	•	•	:	
1 314 1.5 1 390 1.5 511 0.6 451 0.6 691 0.1 916 1.4 171 6 0.1 142 0.2 81 0.1 221 0.3 916 1.4 171 7 14 0.1 779 0.3 3116 4.5 3716 4.6 5 697 4.2 5 790 5 1466 2.0 2795 6.3 2790 6.3 2790 6.3 2790 6.3 2790 6.3 2793 2.7 3 693 6 17 755 0.3 2795 2.0 1 292 2.7 3 693 6 773 6.3 7 796 6.3 2 690 6.3 2 693 2.7 3 693 6 7 7 796 6.4 1 796 2.6 1 293 2.7 3 693 6 7 7 786 6.1 1 0.1 1 291 1 4.1 1 6.1 1 6.1 6 7 75 6.3 1 293 2.0 1 293 2.7 3 693	MA MAR. Petrolem, Coal Products		•	•••••	,		•		,		•		•••	•	1
68 0.1 M2 0.2 0.1 221 0.1 515 1.4 111 7114 6.1 795 6.3 311.6 4.5 371.6 4.6 5 071 4.2 5 790 5 314 6.1 7.95 6.3 311.6 4.5 371.6 4.6 5 071 4.2 5 790 5 314 6.0 5 179 6.3 2 890 4.2 3 460 4.5 5 79 641 0.7 7 86 0.3 1 966 0.3 2 55 2.0 3 222 2 71 3 693 621 0.7 7 96 4.3 1 964 10.5 1 4.3 3 693 6912 7 15 7 92 0.3 1 3 52 2 7.7 3 693 6913 7 15 7 964 1 0.1 1 964 1 0.4 7 166 613 7 15 7 106 1 1 0.1 1 1 0.1 1 1 0.1 1 1 0.1 1 1 0.1 1 1 0.1 1 1 0.4	In Traducts	-	5		1.5	n,	6.0	451	0.6	5	0.7	¥	0.7	•	
7 114 6.1 7 99 6.3 3 11.6 4.5 3 71.6 4.6 9 097 4.2 9 790 5 146 2.1 1 170 2.0 2.26 0.3 7 56 0.3 7 79 6.2 3 79 5 146 6.1 1 170 2.0 2.26 0.3 7 56 0.3 7 79 6.2 3 79 6 21 0.7 7 56 0.3 2 590 6.2 2 560 6.3 2 500 6.3 2 500 6.3 2 79 6.3 2 79 6 21 0.7 7 56 0.3 1 3 95 2.0 3 222 2 71 3 69 6 27 1 75 0.7 1 3 96 2 70 3 222 2 71 3 69 6 27 7 56 0.3 1 2 95 2 .0 3 222 2 71 3 69 6 29 1 3 55 2 .0 3 222 2 .0 3 222 2 71 3 69 6 29 1 3 50 1 .0 1 3 90 1 .0 1 3 90 1 4 33 6 37 1 75 2 10 1 .0 1 3 91 1 7 56 1 1 4 33 5 20 5 10 1 .0 1 .0 1 .0 1 .0 1 2 64 5 20	200 Partic Products a. e. c.		0.1	,	0.2	8	0.1	221	6-3	X		Ę	5	•	
T1N 6.1 T305 6.3 3116 4.5 3716 4.6 5 071 4.2 5 790 5 100 2.1 1700 2.0 220 0.3 275 0.3 275 0.2 289 5 10 2.1 2.00 2.20 2.26 0.3 275 0.3 275 0.2 289 5 11 0.7 766 0.9 1.395 2.0 1.555 2.0 3.23 2.7 3.693 6 972 7.5 7.5 0.3 1.395 2.0 1.255 2.0 3.23 2.7 3.693 6 972 7.5 0.3 1.395 2.0 1.555 2.0 3.23 2.7 3.693 6 972 7.5 0.3 1.395 2.0 1.295 2.7 3.693 6 97 7.5 6 904 10.5 1.094 10.5 1.031 1.031 1.031 6 98 0.7 7.96 1.4 1.	36. Manufacture of Nea-Monthle Minaral													- 	
7.144 6.1 7.144 6.1 7.144 6.1 7.145 6.3 5.145 6.3 5.145 6.3 5.971 4.2 5.991 5.146 6.1 1.770 2.0 2.26 0.3 7.95 0.3 7.95 0.2 2.99 5.146 6.1 1.770 5.1 2.990 4.12 3.460 4.15 6.97 4.2 3.493 6.1 0.1 1.955 2.0 1.955 2.0 1.955 2.0 3.212 2.1 3.493 6.972 7.15 7.96 0.3 1.955 2.0 1.955 2.0 3.212 2.1 3.493 6.972 7.15 0.91 1.17 0.04 1.17 0.04 10.15 1.013 5.92 6.1 6.10 0.1 1.17 0.04 10.1 1.013 5.92 6.1 6.10 1.17 0.04 1.16 1.04 1.04 5.92 6.1 6.10 1.17 0.04 1.16 1.04 5.92 6.1 1.05 1.17 0.04 1.04 1.04 5.92 6.1 1.05 1.16 1.16 1.164 1.164 <th>Products, Earty, Products of Persian</th> <th></th>	Products, Earty, Products of Persian														
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	A MANUFACTURING I TOTAL	2	100.0		100.0		100.0		100.0	EN MI	6. i ar	950 101	100.0		

Beures: Calculations are beend on Table C-26, Appendig C.

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Employment in the textile, wearing apparel and leather division grew at an average annual rate of 8.2 per cent. Again the private sector showed a higher rate, 11.2 per cent compared to 3.8 per cent annually for the public sector. The gains in employment in this division occurred primarily in the wearing apparel, footwear, and leather industries in the private sector.

Employment in the fabricated metal products industry division grew at an average annual rate of 7.6 per cent. In the public sector, the growth rate was a high 19.2 per cent compared to 5.2 per cent annually in the private sector.

The non-metallic mineral products exhibited an average annual increase in employment of 6.8 per cent. The gains in both the public and the private sectors were about equally high.

Finally, the food, beverages and tobacdo and the wood and furniture divisions exhibited a similar growth rate in employment which averaged 5.3 and 5.7° per cent annually respectively. In the former division the growth in the private sector was higher, while in the latter division the growth in the public sector was higher.

Ownership Structure in the Syrian manufacturing

Up to 1965, the manufacturing sector was mostly in the hands of the private sector. Public sector ownership was confined to petroleum refining and tobacco industry. Following the nationalization of the large manufacturing establishments in 1964-1965, the ownership structure radically changed. The share of private sector dropped in 1966 to 48.7 per cent of the total MVA and in 1970 to 39.6 per cent. But the private sector managed to regain some of its losses in the later years. In 1975 it represented 45.4 per cent of the total MVA. The share, however, marginally declined to 42.4 per cent in 1977. (Table V.18).

Table V.19 shows the change in the share of the private sector in each of the major manufacturing groups in the years 1966 and 1977.

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PRIVATE SECTOR SHAPE IN TOTAL MANUFACTURING GROSS VALUE ADDED BY MAJOR MANUFACTURING BRANCHES SELECTED YEARS 1963-66 = (SL MILLION AT CONSTANT PRICES 1970-100 Table No. (V.18) SYRIA,

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	Value	%	alue 🐇 Value	`.R	Value	·15R	Value	R	Value	Ŗ
			•		7 70	C 22	A OAL	A. OF	160.5	57.9
FOOD. BEVERAGES AND TOBACCO	120.6	49.0	C-141	1.10	8 F		N OF L	68.8	146.0	67.5
311/2 Food manufacturing	109.3	100	142.4		11.5	2.12	+-22+			
313 Beverages	11.3	8	5,9	59	9.4	2.68	14.4	C120	1347	
	1	•	1	1	1	•	i	•	1	•
		ŝ	9.001	45.5	104.5	36.5	165.5	41.6	218.1	36.0
IEXIILE.	4-012	227		1 01	76.0		102.1	31.1	134-5	27.8
321 Textiles	2.102	B	- the				10.7	89.3	56.4	8.9
322 Weating Apparel	8.6	100	12.4	1446	1-1-	~~~	1121			
323 leather próducts	3.5	201	2.6	81.3	4-7	92.2	.e•1	6.29	C-n	
	1.6	8	4.8	8	5.9	8	12.7	8	16.9	8
		Ş	3 21	9 10	20.05	92.0	45.7	95.2	68.3	
	c • 1c				2			64.7	7.2	I
	2.1					3,8	7.14		61.1	8
332 Furniture and Extures	34-3	100	- 74-4	3	7 * 13	>>* •				
PAPER PAPER PRODUCTS, PRINTING & PUBLISHING	3.0	100	5.2	98.1	9.2	87.6	12.0	_	12.6	5
241 Danse and Paner Droducts	0.5	100	0.5	8	0.9	40.9	1.0		1.2	21.
	2.5	8	4.7	100	8.3	700	0.11	20	14.6	ğ
			· 0	ן אכ	0	12.0	39.2	29.2	37.8	24-2
CHEMICAL, FEINOLEUM, NUBBEN & LEADING				78. A	. 9	55.8	27.2	_	25.6	57.0
2	4.0		!				1			1
			1	•	1	•	٠	1	1	١
		Ş		20.4	2.0	22.0	6.4	71.9	6.2	63.9
1	+ - # C	3		2.2.2	0-1	¥9.3	5.6	74.4	6.0	78.9
356 Pastic products, n.e.c.	1 •0		5			2	22 6		25.4	28.4
NON-METALLIC MINERAL PRODUCTS	40.3	7 8	C-11	0.0	2.07)] 			1
361 Pottery, china, earthenware	•	•	' '			V EC	, R	19.4	1.4	18.2
362 Glass and glass products	1 8	001	4.4						O VC	8
369 Other non-metallic mineral products	32.2	8	8.9	2.62	12.0		s.	4	× 11.5	
÷	4.4	100	5.2	8	13.4	8	19.2	76.8	19.9	6.06
3.7.1 Iron and steel basic industries	ſ	•	(i i i i i i i i i i i i i i i i i i i	•	1 1 1	•	- ÷-	•	E
	4.4	100	5.2	8	13.4	281	19-2	8	19.9	
:		Ş	25.6	55.5	49.5	66.9	101.2	54.1	126.7	52-7
÷	10 C F	15	14.2	94.0	40.0	93.5	82.0	94.9	101.2	85.0
361 Fabrication literat province warder and a second second machinery		8	1.1	39.9	5.7	33.1	11.6	_	13.4	22.6
1	0.0	001	4.3	32.1	3.8	27.1	7.6	14.7	12.1	19-5
Transnort squipment) I	1			1.	: •		•	•	1
Professional & scientific control equipment	•	1	1	1	•	1	•			
	1.1	100	0.2	13.3	0.2	8.0 1	<u>.</u> 0	0.1	4.0	<u></u>
	7 101	C LL	353 2	101		20-62	560.0	45.4	677.6	42-4

Source: Calculations are based on tables C-10 and C-11 Appendix C * MVA in public sector reported negative value.

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Table V.19	CHANGE IN SHALE OF PRIVATE SECTOR IN TOTAL MVA,
-	1966 AND 1977
	(Percentage)

ISIC Code	Major Industrial Group Kanking	Private Sector 2 Contribution to	
		1966	1977
37	Basic metal industries	100.0	90.9
34	Paper, printing and publishing	98.1	83.9
33	Wood and furniture	91.6	(1)
38	Fabricated metal products	55+5	52.7
31	Food, beverages and tobacco	51.7	37.9
36	Non-metallic mineral products	28.6	28.4
32	Textile wearing apparel and leather	45.5	3 8.0
35	Chemical, petroleum, coal, rubber and plastics	26.1	24.2

Source: Table V.18.

(1) In 1977 negative MVA estimated for the public sector prevented meaningful comparison. The private sector is still maintaining its dominance in this field of activities.

The ownership structure in 1966 the year that followed nationalization is summarised as follows:

- Prior to the construction of the iron rods plant by the public sector, the private sector owned 100 per cant of the industrial activities related to the basic metal industries. These activities consist largely of small establishments dealing with metals melting, shaping and other basic metal works.

- The private sector contributed 98.1 per cent of the total MVA in the paper, printing and publishing industry. This is largely accounted for by the printing and publishing industry, which asides from the government printing press and the newspapers publishing houses, is completely owned by the private sector. - In the wood and furniture industrial group, the private sector contributed 91.6 per cent of total MVA. This is largely accounted for by the furniture and fixtures industry which is almost wholly owned by the private sector.

- In the fabricated metal products industrial group, 55.5 per cent of total MVA was contributed by private sector establishments, mainly in the metal products industry.

- The widely spread activities of the private sector in the food products and beverages industries accounted for its contribution of 51.7 per cent of the total MFA of this major industrial group.

- In the non-metallic mineral products, the pri ate sector contributed 28.6 per cent of the total MVA by virtue of its activities in the glass and construction materials industries.

- Furthermore the private sector contributed 45.5 per cent of the total MVA of the textile, wearing apparel and leather major industrial group. This was largely accounted for by the footwear, wearing apparel and leather industries in which the private sector was very active.

- Finally, in the chemicals branch of industry, the private sector contributed 26.1 per cent of the total MVA. This is largely due to this sector's intense activities in the other chemical products industry such as detergents, cleansers, soaps, paints and matches; and in the rubber and plastic products.

Since 1966 in the wood products industry, the private sector was able to increase its share in total INVA from 91.6 per cent in 1966 to 95.2 per cent in 1975 $\frac{1}{}$. However in the majority of the industrial group, total MVA has either declined or changed only marginally

1/ See footnote to table V.19.

In terms of employment, the private sector still provides the bulk of the employment in manufacturing industry In 1965, the sector provided 91.3 per cent of manufacturing employment, but in 1966 it dropped to 66.4 per cent. However, in 1977 this sector was still engaging two thirds of manufacturing employment. The share of the private sector in the employment of each industry class is presented in Table V.20.

It can be seen from the table that the pattern of employment intensity of the private sector in the various industry classes follows very closely that of output, discussed above. Otherwise, the table is self-explanatory and no further comments will be made on it.

Public sector in manufacturing industries

This sector presents a comparative analysis of changes in the manufacturing industries structure in the public sector. These are summarised in tables V.21-23 and V.15. The analysis will be conducted in terms of real MVA and employment. Major and planned projects are also described briefly in each sector.

MVA in manufacturing produced by the public sector industry amounted to SL 919 million in 1977. About two thirds of this output (67.4 per cent), was produced by two divisions: textile, wearing apparel and leather, and by food, beverages and tobacco. Their respective share was 37.9 and 28.7 per cent. The textiles industry, which is the largest industry in the public sector, contributed 37.9 per cent of total MVA in manufacturing. By far the largest branch within the textile industry is cotton ginning.

It should be emphasized at this point that the public sector has been expanding its activities in all branches of textile, wearing apparel, leather and footwear. In the textile industry a number of new projects are scheduled to begin production between 1977 and 1980. They include five fiber plants, a textile plant, a plant for wool washing, and two wool rugs plants. In fact three of the

ISIC Code	Category	1963	1905	1966	1970	1 97 5	19 77
31 311/2 313 314	MANUFACTURE OF FOOD, BEVERAGES & TOBACCO Food products Beverages Tobacco	81.8 100.0 100.0 C.0	81.5 100.0 100.0 0.0	62.1 79.8 90.7 0.0	58.5 74.6 83.5 0.0	62.0 77.2 73.2 0.0	
32 321 322 323 324	TEXTILE, WEARING APPAREL & LEATHER INDUS. Textiles Nearing apparel, except footwear Leather and products Footwear	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0	56.4 46.4 87.2 79.9 100.0	43.5 87.2 36.8	65.0 54.8 89.7 91.7 100.0	65.8 55•5 90.6 91.9 100.0
33 331 332	MANUFACTURE OF WOOD PRODS. INCL. FURNITURE Wood and oork prods., except furniture Furniture and fixtures	100.0 100.0 100.0				95.6 72.5 100.0	
34 341 342	MANUFACTURE OF PAPER & PAPER PRODUCTS PRINTING AND PUBLISHING Paper and products Printing and publishing	100.0 100.0 100.0		96.6 79.7 100.0		94.2 67.7 100.0	93•4 61.8 100•0
35 351 352 353 354 355 356	MANUFACTURE OF CHEMICALS & CHEMICAL PETRO- LEUM, COAL, RUBBER & PLASTIC PRODUCTS Industrial chemicals Other chemical products Potroleum refineries Misc. petroleum, coal products Rubber products Plastic products n.e.o.	67.0 100.0 0.0		46.0 70.6 0.0 50.9 42.1	0.0 -	41.5 0.0 71.8 0.0 - 51.6 66.5	42.7 0.0 69.5 0.0 - 54.1 73.8
36	MANUFACTURE OF NON-METALLIC MINERAL PRO- DUCTS, EXCEPT PRODS.OF PETROLEUM & COAL Pottery, china eto. Glass and products Other non-metallio mineral products	100.0	100.0 100.0 100.0	51.0 	49•4	54•9 16•1 63•7	48.4 16.6 53.8
371	BASIC METAL INDUSTRIES Iron and steel Non-ferrous metals	100.0	100.0	100.0	100.0	84.1 0.0 100.0	75.1 0.0 100.0
381 382 383 384	MANUFACTURE OF FABRICATED METAL PRODUCTS MACHINERY AND EQUIPMENT Metal products except mach & equipment Non-electrical machinery Electrical machinery Transport equipment Professional, scientific goods, etc.	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0		87.6 96.8 69.5 66.7	78•7 96•4 52•0 49•4	74.6 91.1 65.2 48.2
	OTHER MANUFACTURING INDUSTRIES MANUFACTURING : TOTAL	100.0 91.5	100.0 91.3	100.0 66.4	100.0 62.2	100.0 66.9	100.0 66.2

Table V-20 Syria, Private sector percentage contribution to employment in each class of manufacturing industry in selected years, 1963-1977

Source: Calculations are based on Tables C-25 and C-26, Appendix C.

E ALAUAL AATES OF GROATH OF GROSS VALUE ADDED IN THE PUBLIC SECTOR HUDUSNAN,	CELECTED FERIODS 1963-1977, AT CONSTANT PRICES 1970=100 (PRICEATAGE)
STRIF. AVSPAGE	
Table (7-21) 5	

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FOOD EVENTION 1966 1977 1970 1977 1970 1977 10.2	ISIC		1963-	1 -9966	1970-1	1975-1	1967	1970-	1966-		-
III.12 FOOD. BEVERVICIS AND TOMOL. BEVERVICIS AND TOMOL. BEVERVICIS AND 15.2 -7.1 5.0 5.1 5.0	Code		1966	1970	1975	1977	1970	1977	1977		
313 Eventes -1.4 5.1 5.4 5.1 7.2 -7.2 7.0 2.7 -1.0 7.0 2.7 4.0 9.0 2.7 4.0 9.0 2.7 4.0 9.0 2.7 4.0 9.1 4.0 7.0 2.10 1.0 7.0 2.10 1.0 7.0 2.10 1.0 2.10	11	FOOD, BEVERAGES AND TOBACCO	4.1	5.4	5.7	6.9	4.9	6.1	5.8		
313 Teacers -28.0 33.1 15.2 -21.0 7.0 27.1 -10.1 27.1 27.1 27.1 27.1 27.1 27.1 27.1 27.1 27.1 27.1 27.1 27.1 27.1	311/2	Food manufacturing	, 1	34 -5	2.1	4	ł	3.0	13.5		
314 Tokeco Transco 5:0 5:1 7:2 -1.0 7:0 2 32 Tentils Wanny appeel 5:0 5:1 24:2 -1.0 7:0 2 32 Tentils Wanny appeel 5:0 3:5 6:5 4:9 6 32 Fornus Poole 2:0 0:0 3:5 6:5 4:9 6 10:2 10:2 10:2 10:2 32 Fornus and and core 0:0 3:5 0:0 12:9 -0.0 13:7 14:7 <td< th=""><th>313</th><th>Beverages</th><th>1</th><th>-28.0</th><th>33.1</th><th>15.2</th><th>ł</th><th>27.7</th><th>3.6</th><th>-</th><th></th></td<>	313	Beverages	1	-28.0	33.1	15.2	ł	27.7	3.6	-	
TEXTILE. WEARING APPAREL AND LEATHER 5.0 5.1 5.1 2.1 2.1 2.1 2.1 2.1 2.1 1.0.1 1.0.1 233< Venning appediate Feneles 5.0 3.5 5.1 3.1 2.1 2.1 2.1 2.1 2.1 1.0.1 233< Venning appediate Fundures 5.0 5.5 5.0 -6.5 - 19.6 331< Wood and cork NOOD PRODUCTS, PRINTING & PUBLISHING 9.0 - - - - - 13.7 341< Paper and Paper products, PRINTING & PUBLISHING 90.0 - 12.9 -40.1 - - 13.7 341< Paper and Paper products, Price 90.0 - 12.9 -40.1 - - 13.7 341< Paper and Paper products, Price 90.0 - 17.1 42.4 - 13.7 342< Chemical products Printing and Paper products 17.1 42.4 21.4 13.7 13.7 343< Paper and Paper products Printing and Paper products 17.7 42.4 21.4 13.7 14.2 353< Reinstreproduct	314	Tobacco		 -	6-9	7_2		7-0	21.8		
231 Tentles 5.2 14.1 24.2 - 10.2 232 Venting speed - - 0.0 3.5 6.5 - 19.6 331 Wood and cork - - 12.9 -40.1 - 19.7 - - - 19.7 - - - 19.7 - - - 19.7 - - - 19.7 - - - 19.7 - - - 19.7 - - - -	22	TEXTILE, WEARING APPAREL AND LEATHER	•	5.0	2.1	23.7		10.1	8.2		
322 Weing apperei $ 0_{10}$ 3_{15} 6_{15} $ 4,9$ 323 Features poweat $ 4,9$ 323 Forewart wOOD AND WOOD PRODUCTS, PRINTING & PUBLISHING $ -$	321	Textiles	1	5.2	14.1	24.2	1	10.2	б. Э	•	
233 Leafber produces - - - - - 19.6 - 19.6 331 Wood and cork - - 12.9 -00.1 - 13.7 0	322	Wearing appared	1	0.0	3.5	8.5	•	4.9	3.1		
334 Forware - 13.7 8 13.6 13.6 13.6 13.6 13.7 8.2 13.6 13.7 8.2 13.6 13.7 8.2 13.7 8.2 13.6 13.7 8.2 13.6 13.7 8.2 13.7 8.2 13.7 8.2 1	323	Leather products	1	-9.6	32.0	-6.5	•	19.6	в.0	•••••	•
331 WOOD AND WOOD PRODUCTS - 12.9 -40.1 - 13.7 33.5 Prise and Paper products PRINTING & PUBLISHING - 13.7 30.0 - - - 13.7 30.0 - - 13.7 30.0 - - 13.7 30.0 - 13.7 31.7 31.7 31.7 31.7 31.7 31.7 31.7 31.7 31.7 31.4 - 13.7 31.4 - - 13.7 31.4 -	324	Footwear	•	1	1	1	•	1	1		
331 Wood and cork 331 Wood and cork 331 Wood and cork 332 Furniure and fauruers 332 Furniure and fauruers 332 Furniure and fauruers 331 941 - - - - 1 1 - - - 1 1 - - - 1 1 - - - 1 1 - - - 1 1 - - - 1 1 - - - 1 1 - - - 1 1 - - - 1 1 - - - 1 1 - - 1 1 - - - 1 1 - - 1 1 - - 1 1 - 1 <t< th=""><th>13</th><th>WOOD AND WOOD PRODUCTS</th><th>1</th><th>12.9</th><th>-40.1</th><th>1</th><th>I</th><th>ł</th><th>ı</th><th></th><th></th></t<>	13	WOOD AND WOOD PRODUCTS	1	12.9	-40.1	1	I	ł	ı		
332 Fursitive and fatures $ -$	331	Wood and cork	•	12.9	-40.1	1	•	1	. 1		-
PAPER, PAPER, PRODUCTS, PRINTING & PUBLISHING 90.0 - - - 13,7 341 Paper, and Paper, products - 90.0 - - - 13,7 341 Paper, and Paper, products - 90.0 - - - 13,7 351 Prianing and publishing - 17,7 42.4 136.6 - 13,7 3512 CHEMICAL, PETROLEUM, RUBBER & PLASTIC PRODS 21.3 21.9 6.8 11.6 21.7 8.2 353 Perioleum refinery 111,4 22.8 21.4 23.8 17.8 8.1 353 Perioleum refinery 111,4 22.8 21.4 21.7 8.2 354 Miss. products 111,4 22.8 21.6 17.8 8.1 355 Plantic products 7 7 21.6 18.6 17.6 - - - - - - - 17.7 10.1 8.1 17.7 8.2.4 28.1.8 8.1.1 17.7 10.6 - - 17.7 5.6 51.4 <th>332</th> <th>Furpiture and fixinces</th> <th>1</th> <th>ł</th> <th>1</th> <th>1</th> <th>1</th> <th>1</th> <th></th> <th></th> <th></th>	332	Furpiture and fixinces	1	ł	1	1	1	1			
341 Paper and Paper products 341 Paper and Paper products 342 21.7 21.6 21.7 21.7 21.6 21.7 21.7 21.6 21.7 21.6 21.7 21.6 21.7 21.6 21.7 21.6 21.7 21.7 21.6 21.7 21.7 21.6 21.7 21.7 21.6 21.7 21.7 21.6 21.7 <	z		I	9.0	1	1	1	13.7	37.0		
342 Prianing and publishing 342 Prianing and publishing 341 <t< th=""><th>341</th><th>Paper and Paper products</th><th>1</th><th>30-0</th><th>1</th><th>1</th><th>•</th><th>13.7</th><th>37.0</th><th>-</th><th>:</th></t<>	341	Paper and Paper products	1	30-0	1	1	•	13.7	37.0	-	:
CHEMICAL. PETROLEUM. RUBBER & PLASTIC PRODS 21.3 21.4 6.8 11.6 2.17 8.2 3331/2 Chemical products Perroleum refinery -17.7 42.4 -18.6 -21.4 8.1 333 Perroleum refinery -17.7 42.4 -18.6 -1.7 8.2 355 Ruber products of perroleum & coal -11.7 22.8 2.4 23.6 8.11 355 Ruber products, $n.e.c. -11.1 22.6 21.4 -16.7 -1.7 355 Plasic products, n.e.c. -11.1 -22.6 51.8 17.8 9.1 355 Portery, china, earthenware -11.1 -12.7 -12.7 -11.7 361 Portery, china, earthenware -11.0 -7.6 51.8 -12.7 362 Gias and glass products -11.0 0.10 -1.7 -2.2 363 Portery, china, earthenware -1.0 -7.6 51.8 -1.7 -2.2 363 Portery, china, earthenware -1.0 -7.6 -2.2 -2.2 $	342	Printing and publishing	•	1			1			•	•
331/2 Chemical products -117.1 42.4 -18.6 -21.4 333 Perroleum refinery 223.8 17.6 -18.6 -10.0 355 Nike: products of peroleum & coal -11.1 22.8 2.4 23.8 8.1 355 Nike: products, $n \in C$. -10.0 -10.0 -10.0 -10.0 356 Platic products, $n \in C$. -10.1 -10.0 -10.0 -10.0 366 Platic products, $n \in C$. -10.0 -7.6 51.8 9.1 -10.0 361 Potery, china, earthenwate -10.0 -7.6 51.9 -2.2 363 Poker non-metalle mineral products -10.0 -7.6 -2.2 9.2 364 Poker non-metalle mineral products -10.0 -7.6 $9.2,6$ $9.2,6$ 371 Iona and stell basic industres -10.0 -7.6 $9.2,6$ $9.2,6$ 372 Non-ferrour metalle matic industres -10.0 -7.6 -2.2 9.4 371 Iona stelle basic industres -10.0 -7.6	22	-	21.3	21.9	6.8	11.6	21.7	8.2	13.0		-
333 Perroleum refinery 333 Perroleum refinery - <th>351/2</th> <th>Chemical products</th> <th>1</th> <th>17.7</th> <th>42.4</th> <th>-18.6</th> <th></th> <th>21.4</th> <th>8.0</th> <th></th> <th></th>	351/2	Chemical products	1	17.7	42.4	-18.6		21.4	8.0		
354 Mise. products of pertoleum & coal -1 -1 -1 -1 355 Rubber products, n e c. -1 -1 -1 -1 -1 355 Plastic products, n e c. -1 -1 -1 -1 -1 361 Poulery, china, earthenware -1 -1 -1 -1 -1 361 Porery, china, earthenware -1 -1 -1 -2 -1 361 Porery, china, earthenware -1 -1 -1 -2 -1 362 Class and glass products -1 -1 -1 -2 -2 363 Other non-mealic mineral products -1 -1 -1 -2 -2 371 Ion and stel basic industries -1 -1 -2 -2 -2 371 Non-ferrous meral basic industries -1 -1 -1 -1 -1 -1 371 Non electrical machinery -1 -1 -1 -1 -1 -1 -1	353	Petroleum refinery	11.4	22.8	2.4	23.8		8.1	13.3		
355 Rubber poducts, n.e.c. - 72.6 -18.8 16.6 - -10.0 366 Plantic products, n.e.c. - 1.1 -9.2 - -1.7 361 Ponery, china, erribenvare - 7.2 -5.6 51.8 - -1.7 361 Ponery, china, erribenvare - - 7.2 -5.6 51.8 - -1.7 362 Gias and gias products - - 9.1 -7.6 51.8 - -2.2 362 Gias and gias products - - 9.1 -7.5 69.0 - -2.2 371 Ion and steel basic industries - - -41.0 - -2.2 371 Ion and steel basic industries - - - - 24.5 371 Ion at steel basic industries - - - - 24.5 371 Ion at steel basic industries - - - - - 24.5 381 Fabricate metal basic industries - 29.4 25.5 7.2 <th>354</th> <th>Misc. products of petroleum & coal</th> <th>1</th> <th>1</th> <th>1</th> <th>1</th> <th></th> <th>1</th> <th>1</th> <th></th> <th></th>	354	Misc. products of petroleum & coal	1	1	1	1		1	1		
356 Plastic products, n.e.c. - - 1.1 -8.2 - -1.7 361 Potery. china. earthenware - - 7.2 -5.6 51.8 - 8.1 361 Potery. china. earthenware - 20.4 10.10	355		1	72.6	-18.8	16.6	•	-10.0	14.1		
361 Portery. china. earthenware - <t< th=""><th>356</th><th>Plastic products, n e.c.</th><th>•</th><th>1</th><th>1.1</th><th>-8.2</th><th>I</th><th>-1.7</th><th>•••••</th><th></th><th></th></t<>	356	Plastic products, n e.c.	•	1	1.1	-8.2	I	-1.7	•••••		
361 Portery, china, earthenware	26	NON-METALLIC MINERAL PRODUCTS	1	7.2	-5.6	51.8	I	8.1	7.8		
362 Glass and glass products -7.6 -7.6 -2.2 369 Other non-metallic mineral products - 9.1 -7.5 69.0 - 9.9 369 Other non-metallic mineral products - 9.1 -7.5 69.0 - 9.9 371 Iron and steel basic industries - - - - - 9.1 -7.5 59.0 - 9.9 371 Iron and steel basic industries - - - - - - - 9.1 -7.5 59.0 - 9.9 372 Non-ferrous metal basic industries - - 4.6 28.5 15.1 - 24.5 381 Fabricated metal products except mach. & equipment - 29.4 9.5 7.2 - 21.9 382 Non-electrical machinery appliances - 29.4 9.5 7.2 - 21.9 383 Flampori equipment - - 3.8 7.2 - 2 - - - - - -	361	Pottery, china, earthenware	 	1	1	1	1	1		-	-
369 Other non-merallic mineral products - 9.1 -7.5 69.0 - 9.9 371 Iron and steel basic industries - - - - - - 9.1 371 Iron and steel basic industries -	362	Glass and glass products	•	1.0	0.0	-7-6	ı	-2.2	-1.1		
BASIC METAL INDUSTRIES - 24.5 10.6 10.6 10.4 10.6 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4	369	Other non-metallic mineral products	1	9.1	-7.5	69.0	1	9.9	9.6	:	
371 Iron and steel basic industries	37	BASIC METAL INDUSTRIES	•	ı	1	-41.0	1	1	1		
372 Non-ferrous metal basic industries	371		•	•	F	-41.0	1	1	•		
FABRICATED METAL PRODUCTS, MACH. & EQUIPMENT - 4.6 28.5 15.1 - 24.5 381 Fabricated metal products except mach. & equipment - 29.4 9.5 102.3 - 20.4 382 Non-electrical machinery - 1.8 26.6 10.0.8 - 21.9 383 Electrical machinery - 1.8 26.6 10.0.8 - 25.4 383 Electrical machinery appliances - 33.6 7.2 - 27.4 383 Fransport equipment - - 33.6 7.2 - 27.4 385 Professional & acientific control equipment - <th>372</th> <th></th> <th>•</th> <th>,</th> <th>1</th> <th>,</th> <th>1</th> <th>1</th> <th>1</th> <th></th> <th></th>	372		•	,	1	,	1	1	1		
381 Fabricated metal products except mach & equipment - 29.4 9.5 102.3 - 30.4 382 Non-electrical machinery - 1.0 26.6 10.0 - 21.9 383 Electrical machinery - 7.2 - 25.4 383 Electrical machinery - - - 25.4 384 Transport equipment - - - - - 385 Professional & accentral equipment - - - - - 385 Professional & accentral equipment - <	38	FABRICATED METAL PRODUCTS, MACH. & EQUIPMENT	1	4.6	28.5	15.1	I	24.5	16.9		
382 Non-electrical machinery = 1.6 26.6 10.8 - 21.9 383 Electrical machinery = 5.8 33.5 7.2 - 25.4 383 Flextrical machinery = 5.8 33.5 7.2 - 25.4 384 Transport = - - - - 25.4 385 Professional & scientific control equipment - - - - - - 385 Professional & scientific control equipment - <th>381</th> <th>Fabricated metal products except mach. & equipment</th> <th>1</th> <th>29.4</th> <th>9.5</th> <th>102.3</th> <th>1</th> <th>30.4</th> <th>30.1</th> <th></th> <th></th>	381	Fabricated metal products except mach. & equipment	1	29.4	9.5	102.3	1	30.4	30.1		
383 Electrical machinery. appliances - 3.6 3.5.5 7.2 - 25.4 384 Tanapor: equipment - - - - 25.4 385 Professional & scientific control equipment - - - - - 385 Professional & scientific control equipment - - - - - - 385 Professional & scientific control equipment - - - - - - 385 Professional & scientific control equipment - - - - - - 385 Professional & scientific control equipment - - - - - - 385 Professional & scientific control equipment - - - - - - 381 TOTAL MANUFACTURING INDUSTRIES - - - - - -	382	Non-electrical machinery	1	1.6	26.6	10.8	1	21.9	14.1		
384 Transport equipment 385 Professional & scientific control equipment 385 OTHER MANUFACTURING INDUSTRIES TOTAL MANUFACTURING INDUSTRIES 70 TAL MANUFACTURING OF 06 38.0 7.2 6.5 6.4 19.3 9.4	383	Electrical machinery, appliances	1	8 .	33.5	7.2	1	25.4	17.1	:	
335 Professional & scientific control equipment	384		1	•	•	•	1	1	1		
OTHER MANUFACTURING INDUSTRIES	385		1	•	,	1	1	1	1		
TOTAL MANUFACTURING 38.0 7.2 6.5 6.4 19.3 9.4	6	OTHER MANUFACTURING INDUSTRIES	•	ı	'	ŀ	ı	•	1		
	3	TOTAL MANUFACTURING	38.0	7.2	6.5	6.4	19.3	9.4	8.6		

Source Calculations are based on Table C-12 Appendix C.

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TABLE V-22. SYRIA, CONTRIBUTION TO MANUFACTURING VALUE ADDED GROWTH BY INDUSTRIAL BRANCHES IN THE PRIVATE SECTOR INDUSTRY, SELECTED PERIODS 1963-1977, AT CONSTANT PRICES 1970 = 100)

PERCEI	TAGES	
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SIC	Category	1 9 63 - 77	1963-77	1970-77
ode 1	FOOD, DEMERACIES AND TOBACCO	20.4	21.1	20.7
	Food manufacturing	18.7	20.0	19•3 1•4
	Boverages	1.6 -	1.1	±•4; •••
314	Tobacco			-
32	TEXTILE, MEARING APPAREL AND LEATHER	0.9 -34.0	69 . 6 77 •7	31.8 16.3
321	Textiles	-34.0	- 5.7	10.8
322	Wearing apparel	- 1.0	- 0.7	-0.8
	Leather products	7.0	- 1.7	3.1
	Footwear	15.7	4.7	10.7
33	WOOD AND WOOD PRODUCTS	2.0	0.4	1.3
332	Wood and oork Furniture and fixtures	13.6	4.•2	9•4
	PAPER, PAPER PRODUCTS, PRINTING AND PUBLISHING	6.5	- 3.9	1.9
34	Paper and paper products	0.3	- 0.2	8.4
341	Printing and publishing	6.2	- 3.6	1.8
	CHEMICAL, PETROLEUM, RUBBER & PLASTIC PRODUCTS	14.7	- 0.2	8.0
35	2 Chemical products	10.6	- 0.9	
252	Petroleum refinery			-
354	Miscellaneous products of petroleum and coal	- 1.1	1.3	1.2
355	Rybbor products, n.e.c.	3.0	- 0.6	1.4
356	Plostic products, n.e.c.	-7.6	15.2	2.7
36	NON METALLIC MINERAL PRODUCTS		= =	
	Pottery, china, earthenware	-3.4	3.6	- 0.3
362 369	Closs and glass modests Other non-motallic mineral products	-42	-3-4	2.9
		7.9	-5.6	1.8
37	BASIC METAL INDUSTRIES Iron and steel basic industries	-	-	-
371 372	Non-ferrous metal basic industrics	7•9	-5.6	1.8
	BARRIE CAMED FETAL PRODUCTS, MACHINERY AND EQUIPMENT	39•4	-0.0	21.0
38 381	Fabricated metal products except machinery & equips	ont 30.0	1.6	17.
382	Non-electrical machinery	1,00	-1.1 -0.6	2. 2.
383	Electrical machanery, appliances	4•7	-0.0	2 •
324	Transport equipment	-	-	-
385	Professional and scientific control equipment	2.0	-0.9	0.
39	OTHER MANUFACTURING INDUSTRIES	2.V		
3	TOTAL MANUFACTURENG	100.0	100.0	100.

Source: Calculations are based on tables C-ll appendix C.

Syria, Gross Value Added in the Public Sector Industry at Constant Frices (1970-100), 1963-1977 (Million S.L. & Percentage)

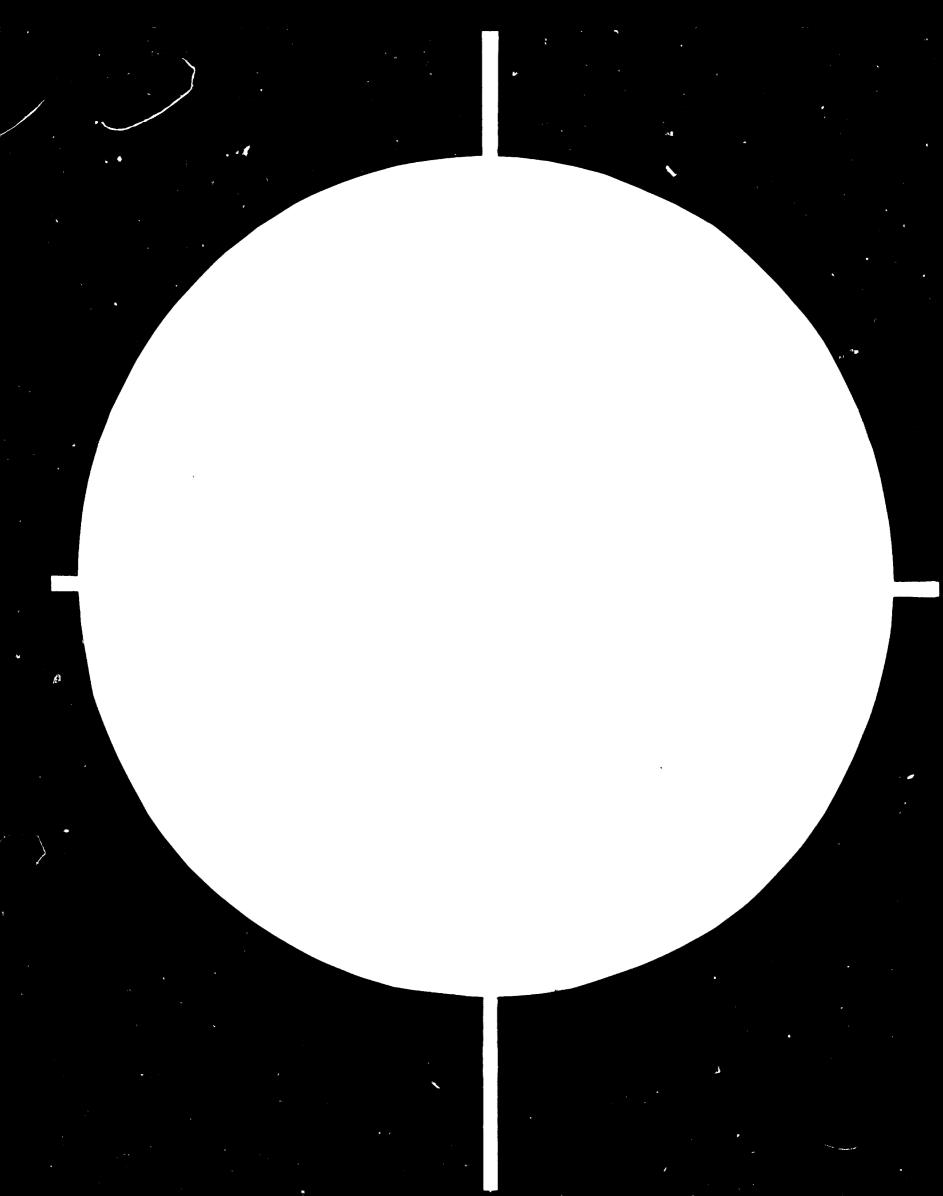
ISIC		1963		1966	, Q	1970	ຸວ່		1975 _	1261	, E
Code	Category	Value	R	Value	48.	Value	ve.	Value	×	Value	×
31	FOOD. BEVERAGES AND TOBACCO	125.2	87.9	141.4	38.0	174.5	35.6	230.F	34.0	263.3	28.7
311/2		ı	t	17.4	4.7	57.0	11.6	6 3. 5	9.3	70.3	7.6
313		I	1	4.1	1.1	1.1	0.2	4.6	0.7	6.1	0•6
314	Tobacco	125.2	87.9	6. 011	32.2	116.4	23.8	162.6	24.0	186.9	20.3
32	TEXTILE. WEARING APPAREL AND LEATHER	I	I	149.3	40.1	181.7	37.1	232.8	34.3	356.0	38.7
321	Tertiles	I	I	144.4	38.8	177.0	36.1	226.0	33.3	348.6	37.9
322	Wearin ω apparel	I	I	4.3	1.2	4.3	0.9	5.1	0.8	6.0	0.7
323	Leather products	I	I	0-6	0.1	0.4	0.0	1.6	0.2	1.4	0.2
324	Footwear	I	I	1	I	I	ı	I	I	ł	I
33	WOOD AND WOOD PRODUCTS	I	I	1.6	0.4	2.6	0.5	0.2	0.0	- 1.7	0.2
331	Wood and cork	I	I	1.6		2.6	0.5	0.2	0•0	- 1.7	0.2
332	Furniture and fixtures	ı	I	I	I	I	1	I	i	I	I
34	PAPER, PAPER IRODUCTS, FRINTING AND PUBLISHING	I	I	0.1	0.0	1.3	0.3	- 0.1	0.0	3.2	0.3
341	Paper and Paper products	I	I	0.1	0.0	1.3	0.3	- 0.1	0•0	3.2	0.3
342	Printing and publishing	I	I	ł	1	I	I	I	I	ı	I
35	CHEMICAL, PETROLEUM, RUBBER AND PLASTIC PRODUCTS	17.3	12.1	30.9	8.3	68.3	13.9	95.1	14.0	118.4	12.9
351/2		I	I	2.6	0.7	5.0	1.0	29.3	4.3	19.4	2.1
353		17.3	12.1	23.9	6.4	54.4	1.11	61.3	0•6	94.0	10.2
354	Misc. products of petroleum and coal	I	I	3.6	1.0	I	1	I	I	I	I
355	Rubber products, n.e.c.	I	I	0.8	0.2	1.1	1.4	2•5	0.4	3.4	0.4
356	Plastic products, n.e.c.	I	I	I	I	1.8	0.4	1.9	0.3	1.6	0.2

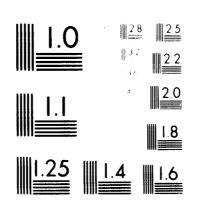
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Table V.23



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	Table V.26 Syria Gross Value Added in (1970-100) in	Value ädded ii (1970–100) in		the Frivate Sector Indu selected years 1963-1977	tor Indu 963-1977	stry	the Private Sector Industry at Constant Prices elected years 1963-1977 (In Million S.L. &	at Constant Prices (In Million S.L. & Percentage	centage		
ISIC	Category	1963 Value	×	1966 Value	×	l Value	1970 X	1 Value	1975 x	1977 Value	2
R	FOOD, BEVERAGES AND TOBACCO	120.6	25.0	151.3	42.8	86.6	26.9	149.8	26.7	160.5	23.7
311/2	Food manufacturing	109.3	22.7	145.4	41.2	77.2	24.0	139.4	24.9	146.0	21.5
313	Вечегасев	11.3	2.3	5.9	1. 6	9.4	2.9	10.4	1.8	14.5	2.1
314	Tobacco	ł	1	I	I	1	1	1	I	I	1
32	TEXTILE, WEARING APPAREL AND LEATHER	216.4	44.9	124.6	35.3	104.5	32.6	165 . 5	29.5	218.1	32.2
321	Textiles	201.2	41.8	104.8	29.7	76.2	23.7	102.1	18.2	134.5	19.8
322	Wearing apparel	8•6	1.8	12.4	3.5	17.7	5.5	42.7	7.6	56.4	8.3
323	Leather products	3.5	0.7	2.6	0.7	4.7	1.5	7.9	1.4	10.3	1.5
324	Footweer	3.1	0•6	4.8	1.4	5.9	1.8	12.7	2.3	16.9	0 0 10
33	WOOD AND WOOD PRODUCTS	37.5	7.8	17.5	5.0	30.0	9.3	45.7	8.2	68.3	10,1
331	Vood and cork	3.2	0.7	3.0	0.8	2.5	7.8	4.0	0.7	7.2	1.1
332	Furniture and firtures	34.3	1.1	14.4	4.1	21.5	8.6	41.7	7.4	61.1	0•6
34	PAPER, PAPER PRODUCTS, PRINTING AND PUBLISHING	3.0	0.6	5.2	1.5	9.2	2.9	12.0	2.1	15.8	2.3
341	Paper and Paper products	0.5	0.1	0.5	0.1	6.0	0.3	1.0	0.2	1.2	0.2
342	Printing and publishing	2•5	0.5	4.7	1.3	8.3	2.6	0.11	1.9	14.6	2.2
35	CHEMICAL, PETROLEUM, RUBBER AND PLASTIC PRODUCTS	0.6	1.9	10.9	3.1	6 •3	2.9	39.2	7.0	37.8	5.6
351/2	Chemical products	4.8	1.0	1.6	2.6	6•3	2.0	27.2	4.9	25.6	3.8
353	Petroleum refinery	I	1	I	ı	ļ	I	I	1	I	I
354	Misc. products of petroleum and coal	cal -	1	1	t	į	1	1	I	ı	ł
355	Rubber products, n.e.c.	4.1	0 •0	1.5	0.4	2.0	0•6	6.4	1.1	6.2	0•9
356	Plastic products, n.e.c.	0.1	1	0.3	0.1	1.0	3.1	5.6	1.0	6.0	0.9

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n the Private Sector Industry at Constant Prices	n selected years 1963-1977 (In Million S.L. & Percentage)
e Ådded i	970-100) in se
Gross Valu	0261)
Syria	
Table V.26 (Cont'd.)	

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ISIC Code	Category	1963 Value	к) А	19 110	1966 2		1970	51	5		<i>۳</i> ۲61	
		ATTO	2	MT77A		INTEA		enter	٩	<u>entra</u>	R	Ì
36	NON-METALLIC MINERAL PRODUCTS	40.3	8.4	11.3	3.2	15.9	4.9	22.6	4.0	25.4	3.7	
361	Pottery, china, earthenware	I	I	I	I	I	I	I	I	ı	I	
362	Glass and glass products	8.1	1.7	2.4	0.7	2.3	0.7	1.8	0.3	1.4	0.2	
369	Other non-metallic mineral products 32.2	а 32 . 2	6.7	8.9	2.5	13.6	4.2	20.8	3.7	24.0	3.5	
37	BASIC METAL INDUSTRIES	4.4	0.9	5.2	1.5	13.4	4.2	19.2	3.4	19.9	2.9	
371	Iron and steel basic industries	I	I	I	I	I	ı	I	ı	ı	I	
372	Non-ferrous metal basic industries	1 4.4	0.9	5.2	1.5	13.4	4.2	19.2	3.4	19.9	2.9	
8X	FABRICATED METAL FRODUCTS, MACHINERY & EQUIPMENT	49.4	10.3	25.6	7.2	49.5	15.4	101.2	18.1	126.7	18.7	-
381	Fabricated metal products except machinery & equipment	42.5	8 ° 8	14.2	4.0	40. 0	12.6	82.0	14.6	101.2	14.9	183 -
382	Non-electrical machinery	4•0	0.8	1.1	2.0	5.7	1.8	11.6	2.1	13.4		•
383	Electrical machinery, appliances	2.9	0-6	4.3	1.2	3.8	1.2	7.6	1.4	12.1	1.8	
384	Transport equipment	I	I	I	ı	ı	t	I	I	t	I	
385	Professional & scientific control equipment	I	ı	I	I	I	ı	1	I	ı	I	
	CTHER MANUFACTURING INDUSTRIES	1.1	0.2	1.6	0•5	2•5	0.8	4.8	6•0	5.1	0.8	
	TOTAL MANUFACTURING	481.7	100.0	353.2	100.0	320.9	100.0	560.0	100.0	677.6	0.001	

Source: Table C-11, Appendix C.

In terms of employment, the structure of the private sector manufacturing industry is shown in Table V.17.

Private manufacturing employed 131,328 workers in 1977. Two thirds of the employment was in two divisions: textile, wearing apparel and leather and the food and beverages. The number employed represent an increase of 6.2 percentage points over the 1966 level i.e. 66.8 per cent of the total as against 60.6 per cent. The respective employment share of each division was 42.1 and 24.7 per cent. In the textile, wearing apparel and leather division, textile industry alone provided 25.7 per cent of the total employment, while wearing apparel industry provided 10.7 per cent. The food industry provided 22.9 per cent of total employment.

The third largest industry in terms of employment in the private sector is the furniture and fixtures industry, which accounted for 11.5 per cent of the total in 1977. The fabricated metal products division ranks next by providing 8.7 per cent of the employment. The largest employer in this division is the metal products industry, which employed 5.4 per cent of the total in 1977. Finally, the non-metallic mineral products employed 4.4 per cent of the private sector manufacturing employment in 1977.

Labour Productivity in manufacturing

Labour productivity in this study is measured in terms of gross value added per worker and calculated by industry classes in total manufacturing and in the public and private sectors industries. These data along with their average annual growth rates for selected periods are presented in tables V.27to V.32.

MVA per worker for manufacturing as a whole has increased from SL 6,470 in 1963 to SL 8,053 in 1977, or an average annual rate of growth of 1.6 per cent. The rate of growth in productivity has been due, exclusively to the increase in productivity during the period 1970-1977, an average annual rate of growth of 2.9 per cent compared to a growth in 1963-1970 that was not significantly greater than zero, 0.3 per cent.

-	PERIODS 1963-1977 AT CONSTANT PRICES 1970	= 100(PE)	RCENTAGE)	
ISIC Code	Catagory	1963 70	1970-77	1963-77
313	FOOD, BEVEFAGES AND TOBACCO 2 Food manufacturing Beverages Tobacco	-0.1 2.8 -4.2 -4.6	1.8 1.5 -4.0 4.2	0.8 2.1 -4.1 -0.3
322	TEXTILE, WEARING APPAREL AND LEATHER Textiles Nearing apparel Leather products Footwear	-7.2 -12.2 11.3 9.4 1.0	2.1 2.2 5.0 2.1 4.6	-2.6 -5.3 8.1 5.7 2.8
	MOOD AND MOOD PRODUCTS Nood and cork Furniture and fixtures	3.6 19.4 1.0	4•7 -5•0 6•1	4•2 6•5 3•5
341	PAPER, PAPER PRODUCTS, PRINTING AND PUBLISHING Paper and paper products Printing and publishing	22.0 20.6 22.0	1.8 2.0 1.7	11.5 10.9 11.4
353 354 355	CHEMICAL, PETROLEU, RUBBER AND PLASTIC PRODUCTS 2 Chemical products Petroleum refinery Miscellaneous products of petroleum and ooal Rubber products, n.e.o. Plastio products, n.e.c.	17.4 17.1 16.8 	1.6 8.6 3.5 - - 4.9 0.6	9.2 12.8 10.0 - 4.1 10.8
36 361 362	NON METALLIC MINERAL PRODUCTS Pottery, ohina, earthenware Glass and glass products Other non metallic mineral products	3•3 5•6 2•6	0.8 -5.2 1.5	2.1 0.1 2.0
	BASIC METAL INDUSTRIES Iron and steel basio industries Non-ferrous metal basic industries	3.1 	-8.4 -6.0	-2.8 - -1.5
38 381 382 383 384 385	FABRICATED METAL PRODUCTS, MACHINERY & EQUIPMENT Fabricated metal products except machinery & equipment Non-electrical machinery Electrical machinery, appliances Transport equipment Professional and scientific control equipment	0.9 -1.6 8.5 4.2 -	10.0 12.1 3.6 9.0	5•3 5•1 6•0 6•6
39 3	OTHER MANUFACTURING INDUSTRIES TOTAL MANUFACTURING	19.6 0.3	14 . 7 2 . 9	17.1 1.6

TABLE V-27. SYRIA, AVERAGE ANNUAL GROUTH RATES OF GROSS VALUE ADDED PER WORKER IN OVERALL MANUFACTURING INDUSTRY, SELECTED PERIODS 1963-1977 AT CONSTANT PRICES 1970 = 100(PERCENTAGE)

Source: Calculations are based on table C-28 appendix C.

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TABLE	V-28.	SYRIA,	GROSS	VALUE	ADDED	PER	IORKER	IN OVERALL	
	MANU	FACTURIN	IG INDU	JSTRY J	IN SELL	CTH	YEARS	1963-1977	
	(SL	THOUSAN	O AT C	DNSTANT	PRICE	$\simeq 19$	70 = 10))))	

			-	د الدرو بي مارين الرومي		
ISIC Code	Category	1963	1 966	1970	1975	1977
	FOOD, BEVERAGES AND TOBACCO 2 Food manufacturing Beverages Tobacco	7.17 4.02 13.10 20.10	8.65 6.46 10.19 15.66	7.12 4.87 9.73 14.45	7.70 5.33 8.53 16.87	8.05 5.39 7.30 19.24
322 323	TEXTILE, WEARING APPAREL AND LEATHER Textiles Wearing apparel Leather products Footwear	9•98 17•0 1•35 1•49 2•75	7.44 8.89 2.82 2.40 3.13	2.80	5.14 5.85 3.35 2.92 3.32	6.83 7.96 7.03 3.2; 4.03
	WOOD AND WOOD PRODUCTS Wood and cork Furniture and fixtures	2.38 0.88 2.83	1.85 2.92 1.65	3•05 3•04 3•05	3•29 2•64 3•41	4.21 2.13 4.61
	PAPER, PAPER PRODUCTS, PRINTING & PUBLISHING Paper and paper products Printing and publishing	2.08 2.79 1.98	4•35 3•00 4•62	8.39 10.38 7.98	6.71 0.67 8.03	9•53 1 1.90 8•99
353 354 355	CHEMICAL, PETROLEUM, RUBBER & PLASTIC PROD. 2 Chemical products Petroleum refinery Miscellaneous products of petroleum & coal Rubber products, n.e.c. Plastic products, n.e.c.	4.33 1.79 8.70 - 3.12 1.47	12.55 8.96 30.33 - 4.89 5 .08	13.29 5.40 25.91 - 7.76 5.91	23.91 - 5.69	14.87 9.64 33.00 - 5.47 6.17
362	NON METALLIC MINERAL PRODUCTS Pottery, china, earthenware Glass and glass products Other non-metallic mineral products	5.62 - 4.38 6.05	6.46 - 7.71 6.14	7.06 - 6.42 7.22	5•47 	7.49 4.43 8.00
	BASIC METAL INDUSTRIES Iron and steel basic industries Non-forrous metal basic industries	7.09 7.09	3•73 3•73	8.79 8.79	6.51 9.36 6.01	4•77 1•82 5•70
382 383 384	FABRICATED METAL PRODUCTS, MACH. & EQUIPMENT Fabricated metal prod. except mach. & equip Non-electrical machinery Electrical machinery, appliances Transport equipment Professional & scientific control equipment	• 7.66 6.27 7.59	5.25 2.43 14.12 10.14	8.06 6.86 11.10 10.10	14.23 10.74 18.40 21.11	15.70 15.27 14.24 18.47
39 3	OTHER MANUFACTURING INDUSTRIES TOTAL MANUFACTURING	0•38 6•47	0.82 7.00	1.33 6.59	3.26 6.86	3•47 8•05

Source: Calculations are based on table C-10 appendix C.

In the 1970's, seven industries have the highest average productivity they include petroleum refining, tobacco, fabricated metal products, non-electrical machinery, electrical machinery, ohemical products and printing and publishing. If one compares the best ten industries in 1963 and 1977, four of the above industries appear also in both years namely petroleum refining, tobacco, fabricated metal products and electrical machinery.

During the period under study, 1963-1977, negative growth or close to sero growth in productivity was recorded in five out of 21 branches; beverages, tobacco, textiles, glass and glass products, and non-ferrous metal industries. The number of industries with negative productivity in the 1963-1970 were four; beverages, tobacco, textiles and fabricated metal products and six in 1970-1977, beverages, wood and cork, rubber products, plastic products, glass products and nonferrous metal industries.

Table V.29 and V.30 summarise data on average productivity and their growth rates for the public sector. These data show that overall manufacturing and for most industries average productivity in the public sector is higher than the average productivity in the private sector, usually more than twice the level. In 1977 they were SL 13,600 for the public sector compared to SL 5,300 in the private sector.

Productivity gains in total manufacturing in the public sector averaged in terms of annual rate of growth of 2.4 per cent in the period 1966-1977, compared to a sero growth rate in the period 1966-1970 and a 3.8 per cent in 1970-1977.

Table V.51 and V.32 succarise average productivity and their growth mates for the private sector. MVA per worker decreased continuously from SL 5,410 in 1963 to SL 4,200 in 1970 and then rising in 1975 to SL 4,880 reaching in 1977 roughly the 1963 level of productivity SL 5,300. TABLE V-29. SYRIA, AVERAGE ANNUAL GROWTH RATES OF MANUFACTURING GROSS VALUE ADDED PER NORKER IN THE PUBLIC SECTOR INDUSTRY SELECTED PERIODS 1966-77 AT CONSTANT PRICES 1970 - 100 (Percentages)

ISIC Code	Category	196 6-7 0	19 70-7 7	1966-77
- •	FOOD, BEVERAGES AND TOBACCO 2 Food manufacturing Beverages Tobacco	0.9 23.4 -64.2 - 1.9		1.5 6.6 11.2 1.1
322	TEXTILE, MEARING APPAREL AND LEATHER Textiles Wearing apparel Leather products Footwear	- 2.7 - 1.4 - 2.6 - 7.5	6.07 6.16 -0.70 15.71	2.6 2.7 1.2 6.7
33 331 332	NOOD AND NOOD PRODUCTS Nood and cork Furniture and fixtures	2•7 2•7 -	-11.81 -11.81 -	-5.9 -5.9 -
	PAPER, PAPER PRODUCTS, PRINTING AND PUBLISHING Paper and paper products Printing and publishing	75•5 75•5 -	1.33 1.33	23•7 23•7
353 351 355	CHEMICAL, PETROLEUM, RUBBER AND PLASTIC PRODUCTS 2 Chemical products Petroleum refinery Miscellaneous products of petroleum and coal Rubber products, n.e.o. Plastic products, n.e.o.	1.9 5.9 - 4.0 - 8.8 1.3	-2.41 12.15 3.54 -11.49 -1.60	-0.9 9.5 0.8 - -4.8 -4.6
362	NON METALLIC MINERAL PRODUCTS Pottery, china, earthenware Glass and glass products Other non-metallic mineral products	0.9 - -4.4 1.1	0.84 -4.11 0.63	0.9 - -4.4 1.3
	BASIC METAL INDUSTRIES Iron and stoel basic industries Non-ferrous metal basic industries	-		-
382 383	FABRICATED METAL PRODUCTS, MACHINERY AND EQUIPMENT Fabricated metal products except machinery & equipment Non-electrical machinery Electrical machinery, appliances Transport equipment Professional and scientific control equipment	-7.4 7.7 -6.0 -9.5 -	4.52 9.25 3.79 3.91 -	0.2 8.7 0.3 -0.9 -
39 3	OTHER MANUFACTURING INDUSTRIES TOTAL MANUFACTURING	- 0	- 3.76	- 2.4

Source: Calculations are based on tables C-30 appendix C.

TABLE V-30 SYRIA, CROSS VALUE ADDED PER MORKER IN THE PUBLIC SECTOR INDUSTRY, SELECTED YEARS 1966-1977, SL THOUSAND AT CONSTANT PRICES 1970 = 100

ISIC Code	Category	1966	1970	1975	1977
31	FOOD, BEVERAGES AND TOBACCO	11.08	11.5	12.26	13.03
115	/2 Food manufacturing	3.49	8.1	7.29	7.03
313 314		45.07	6.2	9.70	12,89
		15.63	14.5	6.01	19.24
32	TEXTILE, MEARING APPAREL AND LEATHER	9.31	8.2		
321	Textiles	9.67	8.5	8 .59 8.88	12.39
322		5.61	4.4	3.51	12.92
323		2.27	1.7	6.02	4•19 4•72
324,	Footwear		· •••	-	·····
33	WOOD AND WOOD PRODUCTS				
331	Wood and cork	4.74	6.1	3.43	
332		4•74	6.1	3•43	2.53
34		-		-	-
	FAPER, PAPER PRODUCTS, PRINTING AND PUBLISHING	2.36	22.4	-7.97	24.57
342	Paper and paper products	2.36	22.1	-7.97	2.57
-	Persente	-	-	-	
35	CHEMICAL, PETROLEUM, RUBBER & PLASTIC PRODUCTS	17.18	18.5	11.29	15 60
351,	2 Chemical products	6.75	8.2	33.33	15.60
353	Potroleum refinery	30.34	25.9	23.92	18.3
354	Hiscellaneous products of petroleum and coal	-	-	~J+72	-
377	Rubber products, n.e.c.	7.00	9.8	3.34	4.17
356	Plastic products, n.e.c.	6.75	7.1	7.23	6.34
36	NON METALLIC MINERAL PRODUCTS				
361	Pottery, china, carthenware	9 •44	9.8	6.69	10.39
362	Glass and glass products	7.01	- -	-	
369	Other non-metallic mineral products	10.59	5•9 11•7	5.27	4•39
37	BASIC METAL INDUSTRIES	100))	TT • (7-43	12.23
	Iron and steel basic industries		-	9•39	1.79
372	Non-ferrous metal basic industries	-		9•39	1.79
		-	-	-	
8	FABRICATED METAL PRODUCTS, MACHINERY & EQUIDMENT	28.65	21.5	30.60	29.29
382	radricated metal products except machinery & equin	10.33	13.9	15.49	25.82
206	Non-electrical machinery	30.78	24.4	29.29	31.66
383 384	Electrical machinery, appliances	31.49	21.9	35.51	28.64
385	Transport equipment	-	-	••	
	Professional and scientific control equipment	-	-	-	
9	OTHER MANUFACTURING INDUSTRIES	-	-	-	_
3	TOTAL MINUFACTURING		-	-	
-		10.49	10.5	10.96	13.6

Source: Calculations are based on tables C-12

TABLE V-31. SYRIA AVERAGE ANNUAL GROWTH RATES OF MANUFACTURES GROSS VALUE ADDED PER WORKER IN 1967-77 THE PRIVATE SECTOR INDUSTRY, SELECTED PERIODS AT CONSTANT PRICES 1970 = 100 (Percentage)

ISIC Code	Category	1963 -70	1970 -77	19 63 -77
31	FOOD, BEVERAGES AND TOBACCO	-1.22	2.91	0.95
	2 Food manufacturing	-0.66	3•52	1.41
313		-3.23	-7.27	-5.27
314	Tobacco	-		
32	TEXTILE, WEARING APPAREL AND LEATHER	-12.2	-0.14	-5.40
-	Textiles	-16.79	-2.28	-9.83
	Wearing apparel	9.70	6.35	8.01
	Leather products	10.62	0.47	5.42
324	Footwar	0.97	4.70	2.82
33	NOOD AND NOOD PRODUCTS	2.68	6.51	4.58
	Wood and oork	12.63	9-89	11.25
332	Furniture and fixtures	1.04	6.23	3.6
34	PAPER, PAPER PRODUCTS, PRINTING AND PUBLISHING	20.48	1.44	10.55
341	Paper and paper products	11.42	-2.49	4.23
34 2	Printing and publishing	21.77	1.91	11.39
35	CHEMICAL, PETROLEUM, RUBBER & PLASTIC PRODUCTS	9.69	10.08	9.88
	2 Chemical products	13.07	12.80	12.93
	Petroleum refinery			
	Riscellaneous products of petroleum and coal	-	-	-
355	Rubber products, n.e.c.	5.08	5•76	5.42
356	Plastic products, n.e.c.	19.54	4.59	11.81
36	NON METALLIC MINERAL PRODUCTS	-3.83	0.30	-1.79
-	Pottery, china, earthenware	-		
	Glass and glass products	11.02	-8.92	0.56
	Other non-metallio mineral products	- 5.99	1.71	-2.22
37	BASIC METAL INDUSTRIES	3.07	-6.04	-1.59
	Iron and steel basic industries	-		-1.))
	Non-ferrous metal basio industries	3.07	-6.04	-1.59
38	FABRICATED METAL PRODUCTS, MACHINERY AND EQUIPMENT	-2.81	8.69	2.78
	Fabricated metal products except machinery & equipment		11.63	4.63
	Non-electrical machinery	-2.31	-0.97	-1.64
	Electrical machinery, appliances	-8.39	9.03	-0.06
384	Transport equipment	-		-
385	Professional and scientific control equipment	-	-	-
3 9	OTHER MANUFACTURING INDUSTRIES	19.21	15.10	17.14
3	TOTAL MANUFACTURING	-3•55	3.38	-0.15

Source: Calculations are based on tables C-29.

	(SL THOUSAND AT CONSTANT PRIC	ES 1970	= 100)			
ISIC Code	Category	1963	1966	1970	1975	1977
31	FOOD, BEVERAGES AND TOBACCO	4.36	7.13	4.0	4.89	4.98
311/	2 Food manufacturing	3.98	7.28	3.8	4.73	4.84
	Beverages	13.09	6.68	10.4	8.09	6.13
314	Tobacco	_	-		-	-
32	TEXTILE, WEARING APPAREL AND LEATHER	9•99	6.97	4.0	3.27	
321	Textiles	17.02	7.99	4.0	3.33	
322	learing apparel	1.36		2.6	3.33	4.00
323	Leather products	1.48			2.63	4.00
324	Footwear	2.71	-	2.9		3.10
33	WOOD AND WOCD PRODUCTS				2.75	4.00
331		2.41	•	2.9	3•28	4.51
		0.87	•	2.0	2.34	3.87
		2.79	1.61	3.0	3+39	4 •5 8
34	PAPER, PAPER PRODUCTS, PRINTING & PUBLISHING	2.09	4.42	7.7	7.61	8.51
	Paper and paper products	2.72	3.04	5.8	4.70	4.86
342	Printing and publishing	1.99	4.62	7.9	8.03	9.02
35.	CHEMICAL, PETROLEUM, RUBBER & PLASTIC PRODUCTS					
	2 Chemical products	2•25 1•82		4.3	10.20	8.42
	Petroleum refinery	-	9.91	4•3	10.81	9•99
	Miscellaneous products of petroleum & coal	_	-	-	-	-
355	Rubber products, n.e.c.	3.11	2.91	-	7 90	- -
356	Plastic products, n.e.c.	1.29	3.08	4.4	7.89	-
36	-	-	-	4.5	10.80	6.16
	NON METALLIC MINERAL PRODUCTS	5.65	3.58	4.3	4.48	4.39
361 362		-	-	-	-	-
369	Glass and glass products	4.33	10.73	9.0	6.40	4.68
309	Other non-metallic mineral products	6.01	3.00	3•9	4.37	4.39
37	BASIC METAL INDUSTRIES	7.12	3.79	8.8	5•98	5.69
	Iron and steel basic industries	` _		-	_	
372	Non-ferrous metal basic industries	7.12	3.79	8.8	5.98	5.69
38.	FABRICATED METAL PRODUCTS, MACH. & EQUIPMENT	7.57			-	
-	Fabricated metal prod. except mach. & equip.		3.20	6.2	9.82	11.11
382	Non-electrical machinery	7•57 6•24	2.31	6.6	10.58	14.26
	Electrical machinery, appliances	7.57	7.83	5.3	8.36	4.95
384	Transport equipment		4.27	4.1	6.37	7.51
385	Professional and scientific control equip.	-	_	-	-	-
39	OTHER MANUFACTURING INDUSTRIES	0.38	0.85	-	-	-
			-	1.3	3•23	3.48
3	TOTAL MANUFACTURING	5.41	4.93	4.2	4.88	5.30

TABLE V-32. SYRIA, MANUFACTURING GROSS VALUE ADDED PER WORKER IN THE PRIVATE SECTOR INDUSTRY IN SELECTED YEARS 1963-1977 (SL THOUSAND AT CONSTANT PRICES 1970 = 100)

Source: Calculations are based on tables C-11.

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Syria, Gross Value added in the Public Sector Industry at Constant Prices (1970-100), 1963-1977 (Million S.L. & Percentage) Table V.23 (Cont'd..)

ISIC Code	Category	1963 Value	R	1966 Value	R	I Value	1970 🖌	Value	1975	ontcy 21	1977 1977
36	NON-METALLIC MINERAL PRODUCTS	1	ı	28.2	7.6	37.2	7.6	27.8	4.1	64.1	7.0
361	Pottery, china, earthenware	I	1	ı	ı	I	I	ı	I	I	i
362	Glass and glass products	I	ł	7.2	1.9	7.5	1.5	7.5	1.1	6.4	0.7
369	Other non-metallic mineral products	I	I	21.0	5.6	29.8	6.1	20.2	3.0	57.7	6.3
37	BASIC METAL INDUSTRIES	1	1	1	I	1	1	5.7	0.8	2.0	0.2
371	Iron and steel basic industries	I	I	I		ı	ł	5.7	0.8	2.0	0.2
372	Non-ferrous metal basic industries	I	I	ı	ı	I	1	ı	I	I	I
R	PABRICATED NETAL PRODUCTS, MACHINERY AND EQUIPMENT	I N	I	20.5	5.5	24.5	5.0	85.8	12.7	113.7	12.4
301	Fabricated metal products except mach. and equipment	با	I	1.0	0.2	2.8	0.6	4.4	0.7	18.0	2.0
8	Non-electrical mechinery	I	I	10.7	2.9	11.5	2.3	37.4	5•5	45.9	5.0
303	Electricel machinery, appliances	ı	ł	8.8	2.4	10.2	2.1	43.3	6.4	49.8	5.4
<u>3</u> 8	Transport equipment	I	I	I	1	1	1	I	I	I	I
385	Professional & scientific control equipment	ı	I	I	ı	ł	I	I	ı	I	1
39	OTHER MANUFACTURING INDUSTRIES	I	ł	I	1	1	ı	1	ı	1	1
	TOTAL MANUFACTURING	142.5	100. 0	372.0	100.0	190.1	100.0	674.2	100.0	0.919	100.0

Source: Table C-12, Appendix C.

With respect to growth in productivity during the period under study, there was no gain in productivity, actually recording a small negative annual growth rate, -0.15 per cent. This was due to the negative average annual growth in productivity, -3.6 per cent recorded for the period 1963-1970. Only in 1970 - 1977, did the private sector record productivity gains, an average annual rate of growth equal to 3.4 per cent. This rate is only marginally lower than the comparable rate for the public sector.

CHAPTER VI FORMICN TRADE IN MANUFACTURING INDUSTRY

Introduction.

The purpose of this chapter is to analyse the structure and growth trends in the exports and imports of industrial commodities, in order to determine the degree of dependency of manufacturing industry on the rest of the world. The analysis will be restricted mainly to the 1973-1977 period for which trade data classification by ISIC is available $\frac{1}{2}$

It is useful, however, to start the analysis by examining total exports and imports of Syria classified according to the nature and utilization of products. Such a classification for exports in selected years (1964-1977) is presented in Table(VI.1). It is evident from the data in the table that the bulk (over 80 per cent) of Syria's exports consist of raw materials. The exports of finished products represent about 9 per cent only, and do not seem to show any trends over time. Their share of total exports has fluctuated within a narrow range of 8.1 to 9.9 per cent. The exports of semi-finished products have been declining as their share of total exports has dropped from 7.6 per cent in 1964 to 3.4 per cent in 1977.

When Syrian exports are classified according to the utilisation of products, the evidence in the table indicates that the bulk of these exports are for intermediate consumption. Furthermore, there seems to be an increasing trend in that direction, as the share of these exports has increased from 87.2 per cent in 1964 to 90.5 per cent in 1977. In contrast, the exports of goods for final consumption do not only represent a small proportion of total exports, but their share has also been declining, it foll from 12.2 per cent in 1964 to 6.9 per cent in 1977.

1/ Prior to 1973, the only trade classification available was according to ISIC.

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	Value P	ercen-	Velue	Velue Porcen-	Value	Percen-	Value Pero	Percen-	Value Perce	Percen-
Mature of Items								1		
Raw materials	<u>%</u>	84.2	521	7.97	1\$ 9	82.2	3 054	86.8	3 639	86.7
Finished products	8 5	8.2	6 2	5•6	Ľ	9.2	279	8.1	416	6.6
Semi-finished products	17	7.6		10.9	-61	8.6	108		M	T
Total Exports	672	100.0	661	100.0	775	100.0	3 441	100.0	4 199	100.0
Utiligation of Items										
Final consumption	82	12.2	83	12.6	ħ	2.12	245	1.1	291	6.9
Intermediate consurption	586	87.2	570	86.2	658	84.9	3 159	91.8	3 799	90.5
Fixod assots	4	0.6	8	1.2	٦	0-4	72	1.1	109	2.6
Total Exports	672	100.0	661	100.0	775	100.0	3 441	100.0	4 199	100.0

Table No. (VI.1) Distribution of Exports by Mature and Utilization of Itoms in Selected Years. (Values in SL Million at Current Prices)

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Similar data on imports is presented in able (VI.2). The data show that when imports are viewed according to the nature of product, the imports of finished products seem to be the argest, and that they follow an increasing trend. The share of such imports he increased from 45.2 per cent in 1964 to 51.5 per cent in 1977. An upward trend has also been exhibited in the imports of semi-finished products whose share has increased from 28.6 per cent in 1964 to 31.5 per cent in 1977. However, the imports of raw materials have been declining as their share of total imports has dropped from 26.2 per cent in 1964 to 17 per cent in 1977.

Then imports are viewed in terms of product utilization, the evidence in Table (VI.2) shows that the imports of goods for intermediate consumption represent over 50 per cent of the total. However, the trend has been declining as the share of such imports has fallen from 54.4 per cent in 1966 to 52 per cent in 1977. The imports of goods for final consumption have exhibited a systematic decline over time. Their share of the total imports has dropped from 28.4 per cent in 1964 to 13.6 per cent in 1977. Finally, the imports of capital goods which accounted for 17 per cent in 1964, have increased recently their share to 34.4 per cent in 1977, respectively. These trends confirm with similar trends observed in developing countries. Naturally, the carly stages of Syria's industrial development is associated with a growing dependency on the rest of the world for imports of goods for intermediate consumption and capital goods. Furthermore, with the increasing volume and diversity of local production, import substitution in the goods for final consumption has been taking place which has reduced the share of such imports in the total.

The structure of industrial commodity exports.

Manufacturing industry share in total exports has exhibited a significant increase recently. For while industrial exports accounted for 29 per cent of total exports in 1973, they have dropped to a low of 13.6 per cent in 1974 as a result of the 1973 war. However, industrial exports picked up as of 1975

$\frac{196\Lambda}{value Pergen-value $	
value Pergen- value Pergen-	

Table No. (VI.2.) Distribution of Imports by Mature and Utilisation of Items in Solected Years. (Values in SL Million at Current Prices)

- Mature of Items Raw materials Finished products	235 705	26.2 45.2	21 2 61:1	24.7 43.5	366 551	26.8 40.3	695 2 902 2 576	11.3 47.0	1 785 5 409 2 203	17.0 51.5
Semi-finished products Total Imports	X &	100.0	I 101	100.0	1 366	100.0	6 173	100.0	10 497	100.0
- Utiliantion of Itama Final consumption	255	28. ť,	21:	24.9	331	2,•2	1 073	7 . 71	1 427	13.6
Intermediato consumption Firmé assets	187 187	54.42 21.23	75T	13.4	793 242	1.82	3 310 1 790	52.6 29.0	5 459 3 611	52.0 ¥1:4
Total Imports	8 9 6	100.0	101 1	100.0	1 366	100.0	6 173	100.0	10 497	160.0

Source: Central Bureau of Statistics, Foreign Trade Statistics of Syria, 1970, 1977.

and continued to increase until their share became 36.4 per cent in 1977. The value of exports at current prices by industries and their percentages of the total for the period 1973-77 are presented in Table(VI.3).

Two industries account for the bulk of industrial exports. These are the textiles, wearing apparel and leather and the food, beverages and tobacco. In 1973, they exported 87.5 per cent of the total industrial exports. The textiles industry alone accounted for 40.5 per cent. The food products industry accounted for 32.2 per cent, while the tobacco industry accounted for 9 per cent. The fabricated metal products and machinery contributed 6.4 per cent.

The structure of industrial exports has changed somewhat over the 1973-77 period. The textile industry has increased its share significantly as it accounted for 63.4 per cent of total exports in 1977. The main export commodity of this industry is ginned octton, which is also the second most important export commodity of Syria¹. Ginned octton exports in 1977 amounted to SL 848.6 million, which represent 55.4 per cent of industrial exports and 20.2 per cent of the country's exports.

The second noticeable change, has been the systematic decline in the share of the food, bevorages and tobacco which reached a low of 12.4 per cent in 1977, down from 41.4 per cent in 1973. This is primarily due to the declining shares of the food products and tobacco industries. Thus, although the exports of food products have increased in value over their 1973 level, their share in the total for manufacturing has decreased to 12 per cent in 1977. The tobacco industry exports, on the other hand, have dropped sharply from SL 35 million in 1963 to about SL 2 million in 1977, which reduced the industry's share to 0.1 per cent. This is perhaps due to an increase in the local demand which have left a little surplus for exports.

^{1/} The first major export commodity of Syria is crude cil. Its exports amounted to SL 2,436 million in 1977, or 58 per cent of total value of Syrian exports.

Code 31 MANUEACTURE OF FOOD, EEVERAGES AND TOBACCO	Value 161		Laluc 151.	F 1 0	Valuo 137-1	15.3	19 Vallue 216.5	16.0 16.0	Ň	
311/ Tobacco 314 Tobacco	125.0 2.0		98.0 5.0.5		92.9 1.1 7.3.7	10.3 0.1 9.4	160.1 5.2 51.2		α - α	
TEXTILES Textiles Wearing	179.7 157.5 17.1		185.3 150.6 19.8		5 <u>48 4</u> 615.1 26.0	72-1 68-4 2-9	888.7 837.2 40.0		-	1
	3•3 1•4				500	00 0	5 ° ° °	000	144	
33 WOOD AND WOOD PRODUCTS 331 Wood and cork 332 Furniture and fixtures	2-9-1				2 2 2 2 2 2	5 5 0 5 0 0	200	000		
¥1			0.6		2.2 0.1 0	0 0 0	1.2	0	- ol	
			2. 1 1. 8 2. 4		25.1 4.1 6.2	<u>0.5</u> 0.7	111.2 3.3 5.1	000		
<pre>>>> retroieum relineries 354 Misc. Petrolcum, coal products 355 Rubber products 356 Plastic products n.e.c.</pre>	0.1 0.1 0.0	0.1	0.4 1.5 0.3	0.1 0.0 1.0	42.6 1.7 0.6	7.7 - 0.2	93.7 	6 I V		108.0
	4.8		8.0		7-7	0.5	19.2			
369	0•1: 0		7.9 0.1		2.9 1.1	0.1 ••1	2.8 16.5	-0 -5 -5		
37 BASIC NETAL INDUSTRIES 371 Iron and steel 372 Non-ferrous metals			1.2 0.3		7000 000	0.0	84.7	1 1		
38 FABRICATED NETAL PRODS., MACH & EQUIPMENT 381 Metal prods. except mach & equipment 382 Non-electrical machinery	2; 8 8 8 8 8 8 7		100 100 100		8 17 8 0 0 0	100 100	28.3 21.4	1.6		
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1.8 13.7 0.8		600 600	0.2 0.2 0.2	0 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			
39 OFFFARE MANUFACTURING INDUSTRIES 3 MANUFACTURING : TOTAL - Total Exports	230 230 230 230 230 230 230 230 230 230		<u>5565</u>		<u>3.1</u> <u>3.6</u>	000	<u>5-5</u> 1 357-9	100.0		!
- Percontage of manufactured exports to total exports	7		2346-0 13.6		5 7421•U 26.1		0•1¦کل ک			•.:

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The third notioeable change in the structure of industrial exports in the increase in the share of the fabricated metal products and machinery. The value of exports of their procts have increased from SL 25 million in 1973 to SL 139 million in 1977, thus raising their share of industrial exports from 6.4 to 9.1 per cent.

Finally, the share of the petroleum refining industry has increased sharply to 7.1 per cent in 1977, up from 0.1 per cent in 1973. This is primarily due to the sharp increase in the prices of oil products since 1973 and to the increase in the refining capacity which have resulted with a larger surplus for exports in some oil products.

Growth of industrial commodity exports.

Over the period 1973-77 industrial exports have exhibited an impressive increase of 400 per cent. This represents an average annual rate of growth of 40.7 per cent. Average annual rates of growth of exports by industry groups have been computed for the entire period and for the two sub-periods 1973-75 and 1975-77. The results are shown in Table (VI.4). The analysis, however, will be restricted to the growth over the entire period.

The highest rate of growth has been in the exports of the chemicals, petroleum, coal, rubber and plastics products which averaged 105 per cent annually. This increase has been due to the high rates of growth in the exports of the petroleum and plastics products which averaged 310 and 126 per cent per year, respectively.

The second highest rate of growth in exports of 57.7 per cent was obtained by the non-metallic mineral products division. This was primarily the result of increases in exports of the o ther non-metallic mineral products industry eg. asbestos pipes and sheets, porcelain and bathroom accessories since 1976, which have pushed the average annual rate of growth of the industry's exports to 296 per cent.

ISIC Gede	tegor	1973-44	Annual Rate	s of Change 1915-76-	1916-77	Geometric	Mean Rats	s of Growth	_
31 311/2	FOOD, BEVERAGES AND TOBACCO Food products		-9-35 	51.24 72.39	-12.20	00.77- 19.7-	<u>17 50</u> 20 56	<u>61.9</u> 24.0	Í
313 24	Beverages Tobacco	-20-93 79-93	61 . 76 -16. 38	376•36 17-38	-8.78 -96.33	45.01	108.46 -79.27	-51.82 -51.82	
32 321	TEXTILE, WEARING APPAREL & LEATHER Textiles	<u>3.12</u> 1.72	249-98 283-04	37.06	17. 99 15. 80	<u>99-91</u>	25.54 25.54	54-43	
323	Wearing apparel, excluding footwear Leather and products	15.68 -23.24	31.46 78.88	28.95 28.95	38.00 38.00 28.00	23.32	21-30 33-40	22-30 25-03	
33 331	WOOD AND WOOD FRODUCTS Wood and cork	- <u>-9-77</u>	81.65 81.65	95.08 76.83	91.17 78.62	-9-68 	93.42 77.72	45.90 32.32 16.01	
x x1 x1 x2 x1 x2 x2 x2 x2 x2 x2 x2 x2 x2 x2 x2 x2 x2	PAPER, PAPER PRODUCTS, PRINTING & PUBLISHING Paper and products Printing and mublishing	45-24 31-74	60.05 1.08 1.08 1.05	-00-00 -0-52 -39-58		32.47 42.17	101-22 22-24 22-24	13.22 4.67	
35 351 351	CHEMICAL, FETROLIZUM, RUBBER & PLASTIC FRODUCTS Industrial chemicals	18.09	554-39	101.89	13.66	177-99 66-06	51-48	105.21	
352	Other chemical products Petroleun refineries	8.13 13.16	41.23 9 813.95	06.11-	13. 16 15. 34	23•58 959•18	-3.61	9. 14 310.62	: 2
354	Misc. petroleum, coal products Rubber products	53.06	10.67	35.55	8.44	30.15	21.24	- 25.61	- 00
350	Plastic products n.e.c.	17.24	61.76	1 156 .39	9.12	37.71	2 70- 26	125.81	
361 361	NON-METALLIC MINERAL PRODUCTS Pottery, china, etc.	<u>67.85</u>	-19.38	375.18	<u>53.21</u>	-1.82	<u>169.82</u>	17-15	
362 369	Glass and products Other non-metallic mineral products	68.80 27.27	-62.78 707.14	1 361.95	-10.99 64.16	-20.7 4 220 . 51	-7.60 389.89	-11; .42 296 . 25	
37 371 372	BASIC NETAL INDUSTRIES Iron and steel Non-ferrous notals	300.00 300.00 -16.08	18-75	1 973.81 981.58	-68-43 -44-28	-39.30 117.94 80.56	155-87 145-49	24.62 131.31	
38 381	FABRICATED METAL PRODUCTS EXCEPT MACH & EQUIP. Metal products. except mach and environent	22-11	41-59	119-75	41-14	<u><u>x</u>.2</u>	76-49	53.92	
382	ectrical machinery	32.08	30.20	212.10 B6.63	-17.02	31.5	60.93	45.27	
385	Transport equipment Professional, scientific goods, etc.	44 -8-8- -8-43	96-57 26-32	101.26 -34.38	57-50 -25-40	70-47	-30.03	74.22	
39	OTHER MANUFACTURING INDUSTRIES	6 .9	-32.83	<u> 14.76</u>	13.51	-20.96	0.61	-11-38	
e	MANUFACTURING : TOTAL	1.55	127.25	50-94	12.65	51.91	<u>07-0E</u>	40.74	

Source: Central Bureau of Statistics, Foreign Trade Statistics of Syria, 1973-1977.

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The textile, wearing apparel, and leather products exhibited the third highest growth rate of 54.4 per cent. The exports of all these industries demonstrated growth rates of more than 20 per cent annually. However, those of the textiles and footurear industry were the highest. Their exports grew at an average annual rate of 57.4 and 44 per cent, respectively.

Exports of the fabricated metal products and machinery have grown by an impressive average annual rate of 54 per cent. Finally, of the remaining industries, iron and steel had a very high rate of growth in exports that reached 131 per cent annually.

Industrial exports and industrial production

Syria's industrial exports are beginning to represent a significant proportion of industrial production. In 1973 only 11 per cent of the value of industrial output was exported. However, in 1977, the percentage increased to one fifth. The percentages of industrial exports to their corresponding values of output at current prices for the various industries in selected years are presented in table VI.5.

Three industries have been exporting an increasing proportion ... their output. Perhaps the most outstanding of these are textile, wearing apparel and leather. They managed to export over one third (36 per cent) of the value of their output in 1977, up from 13.7 per cent in 1973. This was primarily the result of the textiles industry's ability to export 40.4 per cent of the value of its output in 1977, compared to just 13.8 per cent in 1973.

The fabricated metal products and machinery industries have doubled the export proportion of th eir output over the period 1973-1977, increasing from 11.6 to 19.5 per cent. Two industries have essentially contributed to the increase in exports; the metal products except machinery and the non-electrical machinery industries. fiber plants in addition to the wool plant have already begun production in 1978. In the wearing apparel industry three plants have been under construction, two of which for men's and women's ready made clothing started production in 1978. In the leather industry, two large leather tanning complexes have been constructed, and started production in 1978. F , the public sector entered the footwear industry for the first time when for the plants have been completed in 1978.

The food products industry is the second largest in the public sector, MAA accounted for 28.7 per cent of the public sector manufacturing output in 1977. Three main branches within this industry produced over two thirds of its output in 1977. These were: grain mill products, vegetable and animal oils and sugar refining.

The public sector has been expanding in the various branches of the food products industry. In canning and preserving branch, five canned food plants are under construction, two of which began operation in 1978. This is in addition to an onion and vegetables drying plant, and a mute grading and packaging plant which were completed in the early seventies. In the grain mill products industry branch, thirteen new grain mills have been constructed. In the bakery products branch, six automatic bakeries have been constructed and began production in 1977 and 1978, in addition to a spagetti plant which was completed in 1978. In the sugar refining branch, four sugar plant projects are under construction and are expected to be completed before 1980. Furthermore, a yeast plant at the Home sugar refinery has also been completed.

In tobacco and beverages industries, two plants for spring water bottling were completed in 1977, and a new beer plant began production in 1978. Two new cigarettes plants have also been constructed.

The third largest industrial division in the public sector is the chemicals, petroleum, coal, rubber and plastic products division. M'A amounted to SL 118.4 million; or 12.9 per cent of total manufacturing in 1977. But by far the largest industry in this division is petroleum refining which produced 79.4 per cent of the

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Table(VI.5) alue of Exports to Value of Output According to ISIC in Selected Years (Per cent)

ISIC Code	Category	1973	1975	197 7
	MANUFACTURE OF FOOD, ENVERAGES AND TOBACCO	14.9	9.2	9.6
511/2 313 314	Food Products Beverages Tobacco	14.8 2.4 17.3	8.1 2.2 14.5	12.5 5.4 0.4
32	TEXTILE, FEARING AFPAREL AND LEATHER	13.7	35.4	<u>36.0</u>
521 322 323 324	Textiles Vering apparel, excluding footwear Letiher products Footwear	13.8 16.1 8.0 5.3	39.6 14.9 7.6 6.3	40.4 13.9 8.8 8.5
33	MAPUFACTURE OF MOOD PRODUCTS INCLUDING FURNITURE	<u> </u>	1.3	3.8
331 332	Vood and wood products excluding furniture Furniture and fixtures	1.1.3 1.7	3.3 0.9	8.2 2.9
34	PAPER, PAPER PRODUCTS, PRINTING AND PUBLISHING	3.6	3.9	2.1
341 342	Paper and products Printing and publishing	0.8 1.3	11.3 0.7	3.5 1.5
35	MANUFACTURE OF CHRITICAL, PETROLEUM, RUBBER & PLASTIC PRODUCTS	^C <u>1,8</u>	9.7	12.4
351 352 353 354 355 356	Industrial Chemicals Other chemical products Petroleum refineries Hiscellaneous products of petroleum and coal Rubber products Plastic products n.e.c.	15.8 5.5 0.1 - 4.1 2.0	9.0 4.5 13.4 - 4.0 2.1	8.9 2.9 15.5 4.6 19.2
36	NON METALLIC MINERAL PRODUCTS	3.3	1.9	7.6
361 362 369	Pottery, China etc. Glass and products Other non-metallic mineral products	21.3 0.1	8.3 0.6	5.3 7.9
37	BASIC METAL INDUSTRIES	0.9	0.2	<u> </u>
371 372	Iron and steel Non-ferrous metals	0.2 1.3	0.4 0.0	2.0 0.3
38.	FABRICATED METAL PRODUCTS, MACHINERY AND BOULPMENT	<u>11.6</u>	10.0	<u> 19.5</u>
381 382 383 384 385	Non-electrical machinery Relectrical machinery Flectrical machinery Transport equipment Professional and scientific control equipment	7.8 6.2 5.4	4.5 4.3 1.7	10.2 7.4 2.8
39	OTHER MANUFACTURING INDUSTRIES	<u>50.1</u>	16.5	12.6
3	MANUFACTURING TOTAL	11.2	17.4	<u>19.9</u>

Source: Central Bureau of Statistics, Foreign Trade Statistics of Syria, 1973-1977

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The chemicals, petroleum, coal, rubber and plastics industries have exported 12.4 per cent of the value of their output in 1977; up from 1.8 per cent in 1973. Two industries have contributed to this increase, the petroleum refining and the plastic products industries whose exports accounted for 15.5 and 19.2 per cent of the value of their output respectively in 1977.

Finally, it should be noted that the other non-metallic mineral products industries have increased their exports in relation to output from 3.3 per cent in 1973 to 7.6 per cent in 1977.

Some industries, on the other hand, have been exporting a decreasing proportion of their output. The most noticeable among these industries are the tobacco, wearing apparel, wood, paper products, industrial chemicals, other chemical products, glass and the electrical machinery industries.

The structure of industrial commodity imports.

The imports of Syria consist mainly of industrial commodities of various types. The proportion of industrial commodity to total imports has reached as high as 91 per cent in 1974, but has more recently declined a little to 84 per cent in 1977. The value of imports at current prices by industry groups and their percentages of the total for the period 1973-77 are presented in table VI.6

The bulk of the industrial imports of Syria consist of fabricated metal products and machinery. Such products accounted for about one third (31.4 per cent) of the industrial imports in 1973, and have increased to 48.3 per cent in 1977. The non-electrical machinery alone accounted for 18.4 per cent of industrial imports, while the metal products and electrical and non-electrical machinery accounted for 27.4 per cent in 1977.

The imports of chemical, petroleum and rubber products come second in importance accounting for 19 per cent of total industrial imports. The

WEINCES AND TORICCO ducts and products and products be and firtures t cork t cork be and firtures c and firtures t cork t cork t products and products and products and products and products and products an rollow, RUBBER & PLASTIC PRODUCTS t products an rollow, RUBBER & PLASTIC PRODUCTS and products an rollow and firtures and products an rollow coal products and products an rollow coal products and products an rollow coal products and products an rollow coal products and products and products an rollow coal products and products and products an rollow coal	0 F Y		Value	رو م	Value	1	Value	ہ ۱		E2	Value	R	1
111 Borenigne 2.5 0.1 2.5 0.1 2.5 0.1 0.1 0.1 2.6 0.1 0.6 0.1 0.6 0.1 0.6 0.1 0.6 0.1 0.6 0.1 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	8			21.5	<u>937.3</u>		976-9 899-2	17.6 1 16. 2		1 1	1.00	76. 780	
Texrilla, ifaining arparela a latentation 105-1 5-2 101-3 5-1 101-3 5-1			2•5 23•8	0.1 1.2	5•1 2•4		70.3 2.0	1.0 1.0 1.0				· · · 0	
201 Text to a monomeration of the second secon	RING APPAREL & LEATHER	~	102.1	2.5	161.0		228.0	1.3			<u>381.1</u> 359.2		
325 Reating apparent, curver, construction and reducts 0.1 0.0			1.7	1.0	3.1		e.8			0.2	15.4	0.2	
Mathematical Biological and fortures $\frac{1}{30.2}$ \frac			1.0	•••	0 . 10		2•6 0•5	0.0		11	0.0 0.0	0 . 1	
331 Functions correction 332 Function correction 332 Constant for correction </td <td>D PRODUCTS</td> <th></th> <td>0.65</td> <td>the second</td> <td>1:1.0</td> <td></td> <td>81.6 78.2</td> <td>1.5</td> <td></td> <td>1.5</td> <td><u>231.6</u> 216.7</td> <td>2.4</td> <td></td>	D PRODUCTS		0.65	the second	1:1.0		81.6 78.2	1.5		1.5	<u>231.6</u> 216.7	2.4	
PAURE PLANT RODUCTS, FRINTING AND FUBLISHING 22.6 0.11 116.6 116.6 116.6 116.6 116.6 116.6 116.6 116.6 116.6 116.6 22.6 116.6 <td>k d fixturos</td> <th></th> <td>0.8</td> <td></td> <td>·2</td> <td></td> <td>3.4</td> <td>0.1</td> <td></td> <td>0.2</td> <td>8•1</td> <td>0.2</td> <td></td>	k d fixturos		0.8		·2		3.4	0.1		0.2	8•1	0.2	
551 19.3 5.7 115.9 17.1 116.6 51.0 501.5 51.0 553 Four channel products 196.3 5.7 332.8 6.0 507.5 91.1 555 Future theorem of the state	PRODUCTS, PRINTING AN oducts Tabling	DIPUBLISHING	<u>42.3</u> 39.7 2.6	2.0 0.1 0.1	<u>121-(</u> 93-3 28-1		111.0 134.8 6.3	0.5 1 2 2 7 7 7 7		0 0 0 0 0 0	90-4 74-2 16-2	1-0 0-5 0-5	
351Industrial chemicals 196.3 5.7 332.8 8.0 597.5 5.8 355 Fouroical products 7.3 2.1 167.4 4.0 222.5 5.8 355 Fubber perflocingcoal products 30.8 1.5 60.0 1.4 86.7 1.6 355 Flastic products 0.3 0.4 7.7 0.2 19.8 0.4 355 Flastic products 0.3 0.4 7.7 0.2 19.8 0.4 356 Flastic products 0.3 0.4 7.7 0.2 19.8 0.4 362 Flastic products 0.4 7.7 0.2 19.8 0.4 362 Pottory, china, etc. 12.5 0.6 124.5 11.2 2.5 11.2 301 Pottory, china, etc. 12.5 0.6 21.3 0.5 21.3 0.5 302 Pottory, china, etc. 12.5 0.6 21.3 0.5 21.6 0.5 301 Pottory, china, etc. 12.5 0.6 11.3 0.5 21.6 0.5 311 Fron and steel 10.6 12.5 11.2 2.5 11.2 312 Non-ferrous metals 21.6 12.5 11.2 22.5 11.2 311 Mon-ferrous metals 22.5 11.2 22.5 11.2 312 Non-ferrous metals 22.5 12.5 12.5 12.5 312 Non-ferrous metals 22.5 <td>ROLEIN. RUBBER & PLAST</td> <th>IC PRODUCTS</th> <td>1.03.1</td> <td>19.7</td> <td>735-9</td> <td></td> <td>1 160.6</td> <td>21.0</td> <td></td> <td>13.1</td> <td>1 604.6</td> <td>16.1</td> <td></td>	ROLEIN. RUBBER & PLAST	IC PRODUCTS	1.03.1	19.7	735-9		1 160.6	21.0		13.1	1 604.6	16.1	
352 Othor chemical products $3.3.3$ 2.1 167.4 4.0 $22.5.5$ 5.0 355 Flastic perducts 30.8 1.5 6.0 1.4 86.7 1.6 356 Flastic perducts 0.3 0.4 7.7 0.2 19.8 0.4 356 Flastic products 0.3 0.4 7.7 0.2 19.8 0.4 356 Plastic products 0.3 0.4 7.7 0.2 19.8 0.4 351 Fottery, china, etc. 0.3 0.4 7.7 0.2 19.8 0.4 351 Fottery, china, etc. 12.5 0.6 21.3 2.6 13.2 2.6 11.2 2.5 11.2 2.6 12.5 11.2 2.6 12.5 11.2 2.6 12.5 11.2 2.6 12.5 11.2 2.6 12.5 11.2 2.6 12.5 11.2 2.6 12.5 11.2 2.6 12.5 11.2 2.6 12.5 12.5	hemicals		198.3		332•B		501-5	9.1 8.8		0 0	572•0 301•6	0 M	
355 Mise. Petrolow, coal products 30.8 1.5 60.0 1.4 86.7 1.6 355 Plastic products 0.3 0.4 7.7 0.2 19.8 0.4 355 Plastic products 0.3 0.4 7.7 0.2 19.8 0.4 356 Pottery, china, etc. 0.3 0.4 7.7 0.2 19.8 0.4 361 Pottery, china, etc. 12.5 0.6 21.3 0.5 27.8 0.5 362 Othor mom-meetallie mineral products 12.5 0.6 21.3 0.5 27.8 0.5 361 Item Won-ferrous metals 26.6 1.3 39.1 0.9 73.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 14.3 14.3 14.3 14.4 14.6 14.5 <td>al products fincries</td> <th></th> <td>122.4 </td> <td>5.1 5.1</td> <td>167.4</td> <td></td> <td>22%.5</td> <td>0</td> <td></td> <td>0.5</td> <td>670.3</td> <td>7.6</td> <td></td>	al products fincries		122.4 	5.1 5.1	167.4		22%.5	0		0.5	670.3	7.6	
355 Plastic products 3.3 0.4 7.7 0.2 19.8 0.4 356 Plastic products 0.3 0.4 7.7 0.2 19.8 0.4 361 Pottory, china, etc. 12.5 0.6 21.3 0.5 27.8 0.5 362 Othor non-metallic mineral products 28.5 0.6 21.3 0.5 27.8 0.5 363 Othor non-metallic mineral products 28.5 11.9 72.5 153.9 2.6 371 Fron and steel 12.5 0.6 21.3 0.5 27.8 0.5 1.3.3 371 Fron and steel 28.6.6 1.3 39.1 0.9 73.5 1.3 371 Fron and steel 26.6 1.3 39.1 0.9 73.5 1.3 371 Fron and steel 27.1.8 11.0 72.4.6 1.3.5 1.3.5 1.3.5 371 Fron and steel 10.6 14.4 10.6 14.4 1.4.6 1.4.6 1.4.6 1.4.5 1.1.3 1.4.5 1.4.5 1.4.5	coal			12			- 198	1.6		1.8 1	121.8	1.4	
361 Pottory, china, etc. 310 3.0 124.5 3.0 181.1 3.3 365 Pottory, china, etc. 12.5 0.6 21.3 0.5 27.8 0.5 365 Othor non-metallic mineral products 2.6.5 11.3 0.5 27.8 0.5 365 Othor non-metallic mineral products 2.6.5 11.9 7.3.5 153.9 2.6 371 Iron and steel 2.6.6 1.3 3.9.1 0.5 27.8 0.5 371 Iron and steel 2.6.6 1.3 3.9.1 0.9.1 0.9 73.5 1.3 371 Iron and steel 2.6.6 1.3 3.9.1 0.9 72.5 1.3 1.3 371 Non-ferrous metals 2.6.6 1.3 3.9.1 0.9 73.5 1.3 1.3 1.3 1.1 1.2 1.2 1.3 </td <td>icts nuesc.</td> <th></th> <td>0.J</td> <td>0.4</td> <td>1.1</td> <td></td> <td>19.8</td> <td>₽0</td> <td></td> <td>0•2</td> <td>18.9</td> <td>0•5</td> <td></td>	icts nuesc.		0.J	0.4	1.1		19.8	₽ 0		0•2	18.9	0•5	
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369 Othor non-metallic mireral products 70.5 10.5<	na, etc. oducts		12.5	9.0	21.3		27.8	0 c 1 0 c		0°5 2°5	69.7 22 6 .0	0.8 2.8	
371 Iron and steel 216.7 10.6 704.4 17.0 622.5 11.2 372 Non-ferrous metals 26.6 1.3 39.1 0.9 73.5 1.3 371 Iron and steel 26.6 1.3 39.1 0.9 73.5 1.3 372 Non-ferrous metals 26.6 1.3 39.1 0.9 73.5 1.3 301 Metal products, except mach and equipment 26.0 14.2 138.6 23.3 24.0 4.5 303 Blectrical machinery 120.3 6.3 166.5 4.5 6.0 22.0.7 4.5 304 Transport equipment 260.4 12.8 451.6 10.9 6.5 4.5	tallic mineral produc	ts	(•0')	2.5 ^c	2.501 7.12.5		6.661	2.2		14.5	895.6	10.2	
372 Non-ferrous metals 20.0 1.3 39.1 0.3 19.2 10.3	Industries		216-7	10.0	102		622-5			12.9 1.6	1.0.7 1.0.5	3•5 1•7	
301 Metal products, MACH & EQUILTERY 34.4.0 34.4.1 30.1 10.2 30.1 10.2 30.1 10.2 30.1 10.2 30.1 10.2 30.1 10.2 30.1 10.2 30.1 10.2 30.1 10.2			20.02	۲•۲	1.42			√-9¢		25.7	425.1	48.3	
382 Non-clectrical machinery 260.4 12.8 451.6 10.9 605.0 10.9 303 Electrical machinery 129.3 6.3 166.5 4.0 240.9 4.5 303 Transport equipment 1.1,1.4 6.9 235.4 6.8 85,.3 15.4 303 Transport equipment 1.1,1.4 6.9 235.4 6.8 85,.3 15.4 305 Frofessional, scientific goods, etc. 2,1.7 1.2 42.2 0.1 70.5 1.3 305 MANUFACTURING INDUSTRIES 2.7.7 1.2 4.2.3 0.1 70.5 1.3 305 MANUFACTURING INDUSTRIES 2.0,2.6 100.0 5.551.5 100.0 5.551.5 100.0	ETAL PRODUCTS, MACH & the except mach and e	BOUIPEENT auitment		11	138.8		2:0.7			5	0. <u>6</u>	0.6-	
303 Electrical machinery 1,2,0,3 1,2,0,3 1,2,0,3 1,3,0,3 1,5,0,3 1,5,0,3 1,5,0,3 1,5,0,3 1,4 1,4	al machinery	•	260.4	12.8	451.6		605.0	10.9		1. 8.2	1 522.0 809.5	10.1 9.2	
305 Professional, scientific goods, etc. 2;.7 1.2 (2.3 0.1 70.5 1.3 0THER MANUFACTURING INDUSTRIES 2 0(2.6 100.0 (152.6 100.0 5 551.5 100.0 MANUFACTURING : TOTAL	lachinery ni ment		129.3	n 6.9	235.4		85:.3	15.1		16.1	100	10.2	
OTHER MANUFACTURING INDUSTRIES 37.9 1.9 55.3 1.3 66.6 1.2 MANUFACTURING : TOTAL 2 0/2.6 100.0 7 551.5 100.0 6 173.0	tific goods,	tc.	21.7	1.2	<i>2.</i> 3,		70.5	1.3		1 •2	120.7	· ·	
	CTURING INDUSTRIES		2 012.6	1001	; 152.0		<u>5 551-5</u>	10010		10001	<u>127-9</u> 8 <u>311-2</u>	100.0	
			2 342.0		4 571.0		6 173.0				10 497.0		
manufactured terports to total imports 37.2 90.8 90.0	ufactured temports to t	otal imports	37.2		90 . 8		0°06		8,.9		9.50		ł

SYF18, 1913-1911. Source: Central Bureau of Statistics, Foreign Trade Statistics of

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imports of basic metal products are still or importance although their share has declined from 12 per cent in 1973 to 10 per cent in 1977. Similarly, the imports of food products have been declining both in absolute and relative terms as their share dropped to 8.9 per cent in 1977, compared with 20.2 per cent in 1973.

Growth of industrial commodity imports.

Industrial commodity imports have increased by 431 per cent over the 1973-1977 period. This is equivalent to an average annual rate of growth of 44 per cent. Average annual rates of growth of imports in the different industry groups have been computed and are presented in table VI.7. An examination of the growth rates for the period 1973-77 shows that the highest rate of increase was in the imports of fabricated metal and machinery products, an average annual rate of 60.5 per cent. The imports of glass add cement products have also domonstrated a high average annual growth rate of 50.8 per cent. The imports of chemical, petroleum, rubber and plastic products grow at an average annual rate of 43 per cent. Similarly, high growth rates of imports in the basic metal and the wood and furniture products have been recorded over the period 38.5 and 35.3 per cent, respectively. Finally, imports of the food, beverages and tobacco products showed the lowest rate of growth of 17.3 per cent per year.

Industrial imports and industrial output.

In an attompt to define broadly the branches of industry which Syria may promote to substitute for imports, the ratic of the value of import to the value of output in the various industry groups have been computed. The results are presented in table VI.8

Despite the fact that Syria has (or ought to have) some comparative advantage in certain industries, it is still dependent to a significant degree on imports to supplement the local output of these industries. The

Tab	Table No. (VI.Y) Geometric Mean Annual Mates of u	IO ULMO.	fr TPTJY SNDUT					
ISIC			Annual Rated		11 Jun 1	GOOD TIC	nean haves	
Code		24.65	<u>21-5167</u>	01-2151	1710-11	1212-01	-121-	
31 31	FOOD BEVERAGES AND TOBACCO	127 44	26	10	-9.82	47.71	6.50	17-52
313	Bever	101.58	46.67	69.12	-26.32	71.95	11•63 -20.57	38•54
34		78.14	02.00	0C•14		60.1	10.52	
32	TEXTILE, WEARING APPAREL & LEATHER INDUSTRI	552.23	41.61	26 20 24 23	32-48 32-56	<u>46.82</u> 45.35	56. 58. 59. 59. 59. 50. 50. 50. 50. 50. 50. 50. 50. 50. 50	36-57
35 75	Jearing apparel, excluding footwear	83.53	16.911	91.80	17.40	100.44	50.06	73.43
2	Leather and products	104.05 160.00	73.51 184.62	29.01	74.56 195.24	88.16 172.03	50.07 29.45	68.04 87.66
33		104.66	20.20	33.73	112.22	8.73	68.46 26.47	35.34 33.52
332	Mood and cork Furniture and fixtures	16.001	-20.05	132.15	88.44	100.89	109.16	104.98
*	PAPER, PAPER PRODUCTS, PRINTING & PUBLISHING	186.68	16.22	<u>6</u> .62	<u>71-56</u>	82.53 84.15	<u>-19.96</u> -25.81	20.87 16.88
z Z	Paper and products Printing and publishing	983.01	-77. 65	21.69	112.19	55.58	60.69	58.11
35	CHEMICAL, PETROLEUM, RUBBER & PLASTIC PRODS.	82.55 67.78	51-11	-28.72	<u>103.65</u>	69.68 59.96	20.48 6.17	42-98 30-32
2 2 2	industrial cnemicals Other chemical products	37.28	91.73	-21.53	19.44	62.24	-3.25	25.29
52	Petroleum refineries	286.79	34.06	-85.19	2 016.58	127.71	77.05	100.79
N.	Misc. petroleum, coal products	1 6	1 1	100	-	- 67-76	- 18.56	20 £0.12
2 .2	Rubber products n.e.c Plastic products n.e.c	1.53	156.75	-31.77	39.96	54.33	-2.28	22.81
8	NON-METALLIC MINERAL PRODUCTS	104.28	45.89	35.28	28.28	72.63	31.83	50.86
፟ዿ፟፟፟	Pottery, china, etc.	101	- 00		. 36	19,40	58 . 28	53.82
2 69 8 9	Ulass and products Other non-metallic mineral products	112.89	49.02	36.15	17.42	78.11	26.47	50.07
37	BASIC METAL INDUSTRIES	202 64	<u>6. 9</u>	36.47		69.15 69.79	13.44 19.85	<u>38-52</u> 36-21
372	iron and steel Non-ferrous metals	47.06	88.09	42.90	42.45	66.33	42.67	54.05
38	FABRICATED NETAL PRODUCTS, MACH & ECUIP.	68.98	86.18	<u>11-17</u>	42.58	17-11	<u>1:15</u>	606
18 18	Metal products, encept mach & equipment Momelectnical machinery	05.10	13.95	51•99	76.21	52.41	53.75	57.98
žg	Electrical machinery	28.82	49.45	116.0	х: Я	38-75	80 80 80	58.19 58.08
8 2	Transport equipment Professional. scientific goods. etc.	101.84 71.08	199.32 66.68	23•50 39•59	30.85 30.85	68.87	35.10	51.0.
39	OTHER HANUFACTURING INDUSTRIES	1.22	19.33	31.26	00.EA	32.55	38-56	35-52
۳ ۱	MANUPACTURING : TOTAL	103.30	33.69	17.66	34.89	<u>64</u> .86	25 . 28	*** •12
	Source: Centrel Bureau of Statistics. Porei	on Trado	Statistics 0	f Svria. 19	73-77.			

Table No. (71.7) Geometric Mean Annual Rates of Growth of Industrial Imports by ISIC for Selected Periods (Percentages).

Source: Central Bureau of Statistics, Foreign Trade Statistics of Syria, 1973-77.

¥	(1 el cell cages)			
ISIC Code	Category	1973	1 97 5	1977
31	FOOD BEVERAGES AND TOBACCO	<u>40.4</u>	<u>65.0</u>	<u>42.0</u>
311/2	Food products	48.6	78.1	53.6
313	Beverages	7.0	15.0	10.5
31⁄2,	Tobaccc	11.8	23.3	8.3
32	TEXTILE, WEARING APPARIL & LEATHER	8.0	$ \frac{12.5}{14.1} 3.9 4.4 0.8 $	<u>13.4</u>
321	Textiles	9.0		15.0
322	Nearing apparel, excluding foctwear	1.6		5.6
323	Leather and products	1.8		6.5
324	Footwear	0.2		0.9
33	NOOD AND NOOD PRODUCTS	<u>53.9</u>	27.8	<u>60.1</u>
331	Nood and cork	341.0	159.6	34.1.0
332	Furniture and fixtures	0.8	1.4	4.6
34	PAPER, PAPER PRODUCTS, PRINTING & FUBLISHING	<u>121.6</u>	<u>247•4</u>	<u>93-2</u>
341	Paper and products	368.0	792•7	224-8
342	Printing and publishing	10.8	15•7	25-3
35	CHEMICAL, PETROLEUM, RUBBER AND PLASTIC PRODUCTS	<u>99.8</u>	204.2	165.3
352	Industrial ohemicals	2 203.6	1 127.7	1 906.7
353	Other chemical products	165.4	233.5	150.0
354	Petroleum refinerics	15.3	70.8	96.4
355	Miso. petroleum, coal products	-	-	-
355	Rubber products	129.4	207.3	227.2
356	Plastic products n.e.c.	58.5	74.3	48.0
35 361 362 369	NON-METALLIC MINERAL PRODUCTS Pottery, china, etc. Class and products Other non-metallic mineral products	<u>41.5</u> 56.6 38.9	<u>85.3</u> 78.7 86.6	<u>80.7</u> 147.7 71.5
37	BASIC METAL INDUSTRIES	<u>191.5</u>	<u>306.6</u>	358•2
371	Iron and steel	46111	576.4	654•4
372	Non-ferrous metals	33.2	61.7	109•9
38 381 382 383 38% 385	FABRICATED METAL PRODUCTS, MACH & EQUIPMENT Metal products, except machinery and equipment Non-electrical machinery Electrical machinery Transport equipment Professional, scientific goods, etc.	298.9 76.1 465.0 282.9	<u>452.1</u> 120.9 438.4 227.1	594.7 246.4 779.8 434.5
39	OTHER MANUFACTURING INDUSTRIES	<u>379-1</u>	<u>350.5</u>	<u>519.8</u>
3	MANUFACTURING : TOTAL	<u>58-9</u>	107.7	114.5

Table No. (VI.8) Value of Imports to Value of Output According to ISIC in Selected Years. (Percentages)

Source: Central Bureau of Statistics, Foreign Trade Statistics of Syria, 1973-1977.

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foce products, textiles, glass and coment are good examples of such industries. Thus, while Syria ought to have a large measure of selfsufficiency in these branches of industry, it can be observed from table VI.8 that the country has been importing a significant percentage of the output of these industries in order to meet the local demand. More specifically, Syria has imported 147.7 per cont of the value of output of its glass products industry and 71.5 per cont of that of cement in 1977. Furthermore, in the same year the imports of food and textile products represented 53.6 and 15 per cent respectively, of the value of output of the two industries.

The net export position of manufacturing industry.

The above analysis suggests that Syria is essentially a big importor of manufactured goods. This is revealed by the facts which show that the manufacturing trade deficit has increased from SL 1,653 million in 1973 to SL 7,281 million in 1977, or has increased by 440 per cont. On an industry by industry basis, the trade surpluses (or deficits) have been calculated and are presented in table VI.9

The results show that all branches of industry, except for these in the textile, wearing apparel and leather division, show a trade deficit. Furthermore, these deficits have been increasing over time for most of the industries. The largest trade deficit by far is incurred in the fabricated metal and machinery products division, as it amounted to SL 4,115 million in 1977. The second largest deficit in 1977 was in the chemical, petroleum, rubber and plastic products division which amounted to SL 1,558 million. The food, beverage, and tobacce division deficit was SL 640 million in the same year. Finally, large deficits of SL 286 million and SL217 million were incurred in 1977 in the non-metallic mineral products and the wood and furniture products industries respectively.

1973-77.	
Period	(BB)
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ISIC	a at Current Prices)
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(Deficit) According to ISIC for the Period 1973-77.	(Values in SL Million a
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Surplus	<u>></u>
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le No. (VI.	
Table No. (VI.S) Trade Surplus (De	

ENTRICISE & TOLUCOO ENTRICISE & TOLUCOO ENTRICISE & TOLUCOO ENTRIC ENTRIC <thentric< th=""> ENTRIC <thentric< th=""></thentric<></thentric<>	SIC	Category Category	TOT ALL THE TOT ALL TOTAL	101/	1075	1 <i>0</i> 76	1017	ļ
111/5 1000 , 10000 , 10000 , 10000 , 10000 , 10000 , 10000 , 10000 , 10000 , 10000 , 100000 , 10000 , 10000 , 10000 , 10000 ,	abo		C1/1	-21-1		7710	1164	
11/1/2 Description -166.57 -166.57 -166.57 -10.57 -10.57	1	FOOD, BEVERAGES &	-211.11	1930-184 1930-184	5.629	12-177-	640.16	
31.11 Denotes -1.01 -4.02 -5.55 -4.04 21.11 Forences 11.01 -4.02 -5.55 -4.04 21.11 Forences 11.01 -4.02 -5.55 -5.46 21.11 Forences 11.01 -4.02 -5.55 -5.46 21.11 Forences 11.01 -5.55 -5.66 -5.66 21.11 Forences -5.55 -5.66 -5.66 -5.66 21.11 Forences -5.55 -5.66 -5.66 -5.66 21.11 Forences -5.55 -1.010 -1.010 -5.26 -5.66 21.11 Forence -5.56 -1.010 -1.010 -5.26 -5.66 21.11 Forence -5.56 <	311/2		-286.51	- 838.35	800	-711.59	-602-63	
311 Theorem 11.10 9.93 -66.55 -52.61 321 Tarrillos Tarrillos 1.91 26.65 5.46 322 Tearrillos Tearrillos 1.91 26.65 5.46 323 Tearrillos Tearrillos 1.91 26.65 5.46 323 Fortillos Tearrillos 1.91 2.26 2.40 5.46 324 Fortillos Tearres 1.31 2.26 2.40 5.46 325 Fortillos Total products 1.31 2.26 2.40 5.46 325 Functiures and firtures 1.01 2.13 2.40 2.40 2.40 321 Functions 2.35 2.41 2.40 2.40 2.40 321 Functions 2.100 2.40 2.40 2.40 2.40 321 Functions 2.100 2.40 2.40 2.40 2.40 321 Functions 2.100 2.100 2.40 2.40 2.40 2.40	313	Beverages	-1.67	21.12	9 9	-7-41	х Y	
Number of the state of th	34	Tobacco	11.10	9•93	-26.55	-52-47	-32.99	
22.1Territion37.68377.0636.6722.2Learner and products2.5.331.003.06.673.06.6723.2Learner and products2.5.331.003.06.673.06.7523.1Footnear2.5.331.002.405.4623.1Root and noon FRONUCRS5.412.413.0123.1Root and noon FRONUCRS5.412.413.0123.1Raper and products5.412.413.0123.1Raper and products2.2.31.012.2.13.0123.1Raper and products2.2.63.013.013.0123.1Root and noot2.2.91.011.013.0123.1Root and noot2.2.91.011.011.0123.1Root and noot2.2.91.011.013.0123.1Root and noot2.2.91.011.011.0123.1Root and noot2.011.011.011.0123.1Root and noot2.011.011.011.0123.1Root and noot2.011.011.011.0123.1Root and noot2.011.011.011.0123.1Ro	•		13.91	24.29	120-13	600.99	620.75	
322 isering inputeducts 15.39 15.66 19.16 2.40 2.41 321 Postear 1.37 2.26 1.01 2.40 2.40 321 Postear 1.37 2.23 1.17 2.26 2.40 2.41 331 Postear 1.00 MT broot MT rest 1.17 2.26 1.17 2.26 331 Perritus and fratures 1.13 2.26 1.10 2.11 2.26 331 Perritus and products 1.11 2.26 1.10 2.11 2.26 331 Perritus and products 1.11 2.26 1.10 2.11 2.26 331 Petroleance 1.10 2.11 2.10 2.12 4.00 331 Petroleance 1.10 1.10 1.11 2.11 2.11 2.12 331 Petroleance 1.10 1.10 1.11 2.11 2.11 2.11 331 Petroleance 1.10 1.11 1.11 2.11 2.11 2.11 332 Petroleance <t< td=""><td>321</td><td>Tertiles</td><td>54. 62</td><td></td><td>397.00</td><td>506.25</td><td>610.32</td><td></td></t<>	321	Tertiles	54. 62		397.00	506.25	610.32	
323 Desther and products 2.53 1.00 1.61 2.40 2.44 331 foot and oork 7000 MB work $2.41.0$ $2.41.0$ $2.44.0$ $2.44.0$ 331 foot and oork 7000 MB work $2.41.0$ -1.11 -1.21 -3.22 331 foot and oork 7000 MB work $-1.01.0$ -71.26 $-30.5.6$ 332 Paper share monours, FRINTING & FUINTING & FUIN	322	ŭ	15.39	26.65	19.16	26.87	22.86	
32. Processes 1.37 2.26 2.40 5.46 33. Revalues and fratures 1.01 -111.1 -0.22 33. Revalues and fratures 1.01 -111.1 -0.22 33. Revalues and fratures -0.13 -11.1 -0.23 33. Revalues and fratures -0.14.0 -5.6 -0.12 33. Revalues and fratures -1.01 -1.02 -1.01 -0.23 33. Revalues and fratures -1.01 -1.01 -0.23 -0.11 -0.23 33. Revalues -1.01 -1.01 -1.01 -1.01 -0.24 -0.01 35. Revalues -1.01 -1.01 -1.01 -0.24 -0.01 35. Revalues Revalues Revalues -1.01 -0.24 -0.25 35. Revalues Revalues Revalues -1.01 -0.25 -0.10 35. Revalues Revalues -1.01 -0.25 -0.26 -0.26 <td>323</td> <td>Leather and products</td> <td>2.53</td> <td>1.00</td> <td>1.87</td> <td>2.41</td> <td>2.09</td> <td></td>	323	Leather and products	2.53	1.00	1.87	2.41	2.09	
1000 AID MOD FRODUCTS 54.13 -131.00 -101.11 -101.11 331 Rous and orack 5.13 -131.00 -101.11 -101.11 311 Rous and firtures 1.01 -111.11 -101.11 -101.11 311 Rous and firtures -110.11 -111.11 -101.12 311 Rous and Forducts -110.12 -110.12 -101.12 -101.12 312 Rous and Forducts -2.08 -2.08 -31.06 -5.08 -6.06 311 Industrial chomotals -2.08 -31.06 -5.08 -6.06 312 Rous periodania -2.08 -31.06 -1106.46 -1106.46 -106.46 313 Rous periodania -2.08 -106.46 -1106.47 -101.22 -101.22 313 Rous periodania -1108.45 -106.46 -1106.47 -101.22 -110.46 314 Rous periodania -1008.46 -1108.47 -101.46 -101.46 -101.46 315 Rous periodania -1008.46 -110.46 -101.46 -101.46 -101.46 315 Rous periodania -1008.46 -110.46 -111.46 -111.46 -111.46 -111	32	Foo twear	1.37	2.26	2.40	5.46	5.48	
331 idod and oork -55.33 -134.72 -16.57 -96.35 321 Purniture and firtures -55.33 -134.72 -16.57 -96.35 321 Purniture and firtures -55.33 -134.72 -134.72 -13.17 -3.22 321 Purniture and publishing -2.228 -71.90 -7.98 -6.66 321 Purniture and publishing -2.228 -71.90 -9.98 -6.66 325 Purniture and publishing -1.01 -1.01 -1.01 -0.12 325 Purniture and publishing -1.01 -1.01 -1.01 -0.06 326 Purniture and publishing -1.02 -1.03.66 -116.40 -0.06 325 Purniture and publishing -1.01 -1.01.10 -0.02 -0.06 -0.06 326 Purniture and publishing -1.01 -1.01.10 -1.01.11 -0.02 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06		NOOD AND NOOD PRODUCTS	02 - MA	137.01	17.71	-101-59	-217.13	
332 Purviture and firtures 1.01 -2.31 -1.17 -1.22 331 Paper and products Pairst pare and volucts -2.36.96 -3.36.36 -4.66 331 Paper and products -3.36.36 -3.36.36 -4.66 -4.66 351 Printing and volutis -3.36.36 -3.36.36 -4.66 -4.66 351 Industrial channels Printing and volutis -3.96.36 -1.96.45 -46.66 351 Industrial channels Products -3.96.36 -1.167.01 -1.11.7 -1.02 352 Othor obscies Products -3.96.45 -3.96.45 -46.46 -46.46 353 Patroleum refinance -3.06.45 -1.06.40 -5.66 -5.66 -5.66 355 Patroleum refinance -3.06.45 -1.06.40 -3.06.45 -3.06.45 355 Patroleum refinance -3.06.45 -4.61.90 -3.06.45 -4.61.96 355 Patroleum refinance -3.06.45 -4.61.96 -6.66 -5.26.46 -5.26.46 -5.26.46 -5.26.46 -5.26.46 -5.26.46 -5.26.46	331	dood and oork	55. 23	-1.41.72	-16.57		-211 56	
WARR, PAPER, FRONUCTS, FRINTING & FUBLISHING -110.12 -130.82 -130.82 -100.12 351Parto lound are noted and order -200.11 -100.12 -100.1	332	Furniture and firtures	1.01	-2.31	-1.17	13.2	-5.57	
31 Paper and products -33.79 -92.02 -132.82 -215.93 32 Printing and products -105.03 -71.50 -5.98 -6.66 35 Industrial chomotals -105.03 -105.06 -5.98 -6.66 35 Othor obsaical products -105.05 -105.06 -5.98 -6.66 35 Patroleum refinances -105.05 -105.06 -5.98 -6.66 35 Patroleum refinances -105.05 -105.06 -5.98 -6.66 35 Patroleum refinances -106.06 -105.06 -5.98 -6.66 35 Plattic products -9.01 -7.56 -135.45 -105.45 -106.46 35 Plattic products -6.01 -7.47 -131.45 -106.46 -6.56 35 Plattic products -6.01 -106.47 -116.47 -117.58 -226.76 -5.96 -6.56 36 Othor non-setallio mineral products -6.01 -106.47 -117.58 -226.76 -50.05 -31.06 -50.05 -31.06 -50.66 -50.66 -50.66		DNC L	5	- 119.52	-138.82	18.78	86. 38 20	
Y2Frinting and publicating -2.26 -77.60 -5.06 -7.16 -5.06 351Industrial chanteals -105.06 -1105.06 -1105.06 -1105.06 -1105.06 352Putroleum refinancia -106.16 -1105.06 -1105.06 -1105.06 -1105.06 353Putroleum refinancia -1106.16 -1105.06 -1105.06 -1105.06 -1105.06 355Putroleum refinancia -20.01 -105.06 -1105.06 -1105.06 -200.42 355Putroleum refinancia -20.01 -105.06 -1105.06 -2105.06 -200.42 355Putroleum refinancia -20.01 -105.06 -1105.06 -1105.06 -2105.06 355Putroleum refinancia -20.01 -105.02 -105.02 -105.02 356Potterry, china, oto. -20.01 -110.22 -22.05 -226.16 351Potterry, china, oto. -110.21 -117.26 -22.05 -1102.02 352Piter non-estallio minoral producta -22.02 -102.02 -102.02 353Piter non-estallio minoral recourds -22.02 -22.05 -22.05 354Piter non-estallio minoral recourds -22.02 -22.05 -22.05 355Piter non-estallio minoral recourds -22.02 -22.05 -22.05 354Non-ferrous motals -22.02 -22.05 -22.05 355Piter non-estallio minoral -22.02 -22.05 -22.05 3	LIX.		11.10		120.00			
351 Industrial chomical -195-46 -115-46 -247-41 -247-42 -247-42 -247-42	22	Printing and publishing	-2.28	-27.50	19. 19. 19.	6.68	-15.26	
551 Industrial choncicals -196.0 -310.0 -503.41 -404.00 553 Petroleum refinerios -106.00 -316.00 -247.41 553 Petroleum refinerios -96.45 -80.91 -167.01 -181.80 -0.42 555 Pibber products -20.81 -56.45 -80.9 -116.90 -27.41 555 Plastic products -20.81 -56.45 -80.9 -116.90 -27.41 556 Plastic products -8.01 -7.4 -116.41 -116.90 -276.16 561 Pottery, china, oto. -8.01 -7.4 -115.8 -226.16 -116.90 561 Pottery, china, oto. -8.01 -116.41 -117.58 -226.16 -118.90 561 Pottery, china, oto. -8.01 -10.9111 -122.71 -192.95 -192.95 561 Pottery, china, oto. -10.9111 -122.12 -226.16 -118.95 -192.95 -192.95 -192.95 -192.95 -192.95 -192.95 -192.95 -192.95 -192.95 -192.95 -192.95 -192.95 -			-195.98	T2. TCT-	-1 105.46	-715.6	-1 558.10	
352 Othor ohenical products -167.01 -167.01 -167.00 -277.41 355 Petroleum refinence -29.11 -167.01 -181.87 60.42 355 Patroleum refinence -29.11 -56.45 -40.99 -116.30 -277.41 355 Plastic products -29.11 -56.16 -116.47 -118.30 -276.45 356 Plastic products -6.16 -116.47 -113.36 -316.40 -56.56 361 Potrary, china, oto. -6.16 -116.47 -117.58 -226.76 361 Potrary, china, oto. -7.47 -13.35 -318.00 -318.00 362 Class and products -6.16 -116.47 -177.58 -226.76 361 Potrary, china, oto. -7.47 -13.35 -192.45 -356.45 362 Class and products -13.35 -132.42 -356.76 -356.76 -356.76 371 Iron and stoal Potroleute -6.16.71 -132.42 -226.75 -361.65 -356.76 371 Iron and stoal Formeral products -26.	351		8.81-	-130.99	-503.41	401 08 101	-569.35	
35. Potroleum refinarios -16,01 -181.84 60.42 35. Mubor products -9.081 -56.45 -84.99 -118.50 35. Rubber products -9.081 -56.45 -84.99 -118.50 36. Dottery china, coal products -9.081 -56.45 -91.922 -56.56 36. Dottery china, oto. -8.01 -116.41 -117.52 -226.56 36. Dottery china, oto. -7.77 -13.36 -22.65.75 -93.80 36. Dottery china, oto. -7.77 -13.36 -22.65.75 -93.60.65 37.1 Iron and products -56.49 -106.11 -117.52 -33.60 37.2 Dotter non-meetallio mineeral products -56.49 -30.11 -192.27 -226.55 37.1 Iron and stoel -10.51.12 -10.51.12 -100.36 -33.60 -33.60 37.1 Iron and stoel Non-ferrous motals -105.12 -105.12 -21.65.75 -21.05 -51.65 -31.65.75 -21.65.75 -21.65.75 -21.65.75 -21.65.75 -21.65.75 -21.65.75	352	Other chemical products	-118.35	-163.66	-316.00	-247-41	-295.82	
35, Misc. potroleum, coal products -29.81 -56.45 -8(.9) -116.30 355 Rubber products -9.611 -7.75 -19.22 -6.58 361 Fotary, china, oto. -8.01 -7.75 -19.22 -6.58 361 Fottery, china, oto. -7.77 -11.65 -226.76 -5.56 361 Fottery, china, oto. -7.77 -13.36 -22.85 -33.60 362 Other non-metallio minoral products -66.16 -116.47 -177.68 -226.75 -91.05 371 Iron and stoel -7.77 -13.36 -22.85 -91.05 <	353	Petroleum refineries	12.91	-167.01	-181.8/	60.42	-562.28	
355 Rubber products -99.01 -58.45 -84.99 -118.30 36 Plartic products -6.01 -7.36 -19.22 -6.58 361 Fortery, china, oto. -8.01 -7.36 -19.22 -6.58 361 Fortery, china, oto. -7.77 -13.36 -19.22 -6.58 362 Glass and products -7.77 -13.36 -192.26 -5.01.65 363 Othor non-setallio minoral products -6.8.39 -103.11 -152.73 -192.96 371 Iron and stoel -7.77 -13.36 -192.06 -56.16 -106.12 -31.00.36 371 Iron and stoel -7.77 -13.36 -192.07 -192.05 -57.10 -99.06 371 Iron and stoel -7.77 -13.26.76 -71.05 -73.41 -100.36 371 Iron and stoel Scinta -105.26 -107.05 -271.05 -91.05 371 Non-fectrous motals Scinta -105.26 -171.05 -73.41 -100.36 38 Non-fectrous motals Fortied anutineary -	32	coal prod	1	1	1	1	1	
356 Plastic products n.e.c. -19.22 -5.8 361 .?ottery, china, etc. -56.16 -116.47 -177.5 -226.76 361 .?ottery, china, etc. -7.77 -13.36 -226.76 -33.80 362 Glass and products -7.77 -13.36 -226.75 -33.80 362 Glass and products -7.77 -13.36 -226.75 -33.80 371 Iron and ercel -22.2.12 -10.51.11 -152.73 -192.95 371 Iron and ercel -22.2.12 -74.72 -52.71 -30.07 372 Moreferrous motals -22.6.16 -10.51.12 -192.95 -291.05 371 Iron and ercel -22.2.12 -10.51.12 -192.73 -192.95 372 Moreferrous motals -216.65 -10.51.12 -52.17 -200.55 382 Non-ferrous motals -22.5.12 -102.12 -132.19 -100.36 383 Non-ferrous motals -210.50 -217.05 -291.05 -91.05 -31.65 -31.65 -31.65 -31.65 -31.65 -31.65	355	Rubber products	-29.81	-58.45	8. 2 9	-118.30	-119.35	
361 FORL-MERIAL PRODUCTS -56.16 -116.41 -177.50 -226.76 362 Glass and products -7.77 -13.36 -27.67 -13.36 -33.80 362 Glass and products -7.77 -13.36 -27.37 -192.95 371 Flore non-metallic mineral products -6.8.39 -103.11 -152.73 -192.95 371 From and stoel -7.77 -13.45 -241.05 -241.05 372 Non-ferrous motals -25.49 -36.17 -192.95 -991.05 372 Non-ferrous motals -77.04 -591.05 -197.45 -100.36 381 From and stoel -77.24 -126.79 -695.55 -991.05 382 Non-electrical machinery -1126.19 -126.10 -271.06 -591.01 -591.01 383 Fremeport equipment -126.19 -167.16 -271.01 -574.19 383 Fremeport equipment -126.19 -167.16 -271.01 -574.19 383 Fremeport equi	22	Plastic products n.e.c.	- 8.01	-7.36	-19.22	6. 58	4.11-34	
361 .70ttery, china, oto. 362 Class and products -7.77 -13.36 -24.65 -33.60 369 Othor non-metallio minoral products -68.39 -103.11 -152.73 -192.95 371 Iron and stoel -25.49 -103.11 -152.73 -192.95 371 Iron and stoel -25.49 -38.17 -13.41 -100.36 372 Non-ferrous metals -25.49 -38.17 -10.3.11 -100.36 372 Non-ferrous metals -25.49 -38.17 -100.36 -352.14 -100.36 372 Non-ferrous metals -25.49 -38.17 -129.30 -701.69 -521.15 -201.65 -352.14 381 Non-ferrous metals -112.24 -514.26 -127.40 -599.00 -900.67 382 Non-electrical machinery -126.79 -126.70 -531.65 -352.18 -352.18 383 Electrical machinery -126.19 -162.10 -531.65 -477.00 -534.10 384 Fransport equipment -126.19 -164.71 -271.68 -271.01		L PROI	-56.16	-116.47	-177.58	-226.76	-286.06	
362Class and products -7.77 -13.36 -24.65 -33.80 369Othor non-metallic mineral products -68.39 -103.11 -152.73 -192.96 371Iron and stoel -26.53 -706.12 -525.17 -192.96 372Non-ferrous motals -276.65 -706.12 -525.17 -102.05 381Non-ferrous motals -276.65 -706.12 -525.17 -100.36 381Non-ferrous motals -276.65 -706.12 -525.17 -100.36 381Netal products, except mach and equipment -17.24 -1054.26 -1974.62 -286.41 382Non-ferrous motal -1026.16 -1054.26 -1074.62 -527.16 382Non-ferrous motal -1026.19 -231.65 -325.78 383Electrical machinery -126.79 -1054.26 -286.46 384Transport equipment -126.79 -261.16 -527.16 385Transport equipment -126.79 -231.65 -371.65 386Transport equipment -126.79 -266.96 -477.00 386Transport equipment -256.96 -477.00 -597.00 387Transport equipment -126.79 -69.51 -571.10 388Transport equipment -126.76 -1054.26 -1054.26 389Transport equipment -126.76 -1054.26 -1974.62 389Transport equipment -231.67 -69.53 389Transport	361	Pottery, china, etc.	•	1	•	1		
369 Other non-metallic wineral products -(8.3) -103.11 -152.73 -192.96 371 Iron and steel -216.63 -704.12 -55.45 -941.05 371 Iron and steel -216.63 -704.12 -525.15 -800.69 372 Non-ferrous motals -25.49 -36.17 -73.41 -100.36 381 FABRICATED METAL PRODS., MACH AND EQUIPMENT -617.00 -1054.26 -525.17 -100.36 382 FABRICATED METAL PRODS., MACH AND EQUIPMENT -617.00 -73.41 -100.36 383 Metal products, excoopt mach and equipment -117.24 -129.30 -231.65 -355.76 384 Non-electrical machinery -126.19 -73.41 -100.36 -355.76 385 Frenchords excoopt mach and equipment -112.24 -129.30 -231.65 -355.76 385 Frenchorteal machinery -26.56 -447.06 -599.00 -999.67 385 Frenchorteal machinery -126.79 -71.68 -877.30 -999.67 385 Frenchorteal machinery -26.69 -417.06 -599.00	362		-7.7	-13.36	-24.85	-33-80	-67.20	
371 Iron and stoel -2.2.12 -142.29 -695.55 -941.05 372 Non-ferrous metals -2.5.49 -36.17 -13.41 -100.36 372 Non-ferrous metals -2.5.49 -36.17 -13.41 -100.36 381 Non-ferrous metals -2.5.49 -36.17 -13.41 -100.36 381 Non-ferrous metals -25.49 -36.17 -73.41 -100.36 381 Non-ferrous metals -17.24 -129.30 -299.00 -900.67 382 Non-electrical machinery -126.19 -164.71 -2.31.65 -352.78 382 Frensport equipment -126.19 -164.71 -2.31.65 -352.78 383 Frensport equipment -126.79 -129.30 -999.67 -477.06 -599.00 -900.67 384 Frensport equipment -126.79 -126.79 -127.01 -534.10 -534.19 -534.19 -534.19 -534.19 -534.19 -534.19 -534.19 -534.19 -534.19 -534.19 -534.19 -534.19 -534.19 -534.19 -534.19 -534.1	369		- 48.39	-103.11	-152.73	-192.96	-218.06	
371 Iron and stoel -216.63 -706.12 -622.17 -800.69 372 Non-ferrous motals -25.49 -36.17 -70.12 -622.17 -800.69 372 Non-ferrous motals -25.49 -36.17 -70.12 -70.12 -100.36 381 Netal products, except mach and equipment -11.29.30 -231.65 -352.78 -352.78 382 Non-electrical machinery -71.24 -129.30 -299.00 -900.67 382 Non-electrical machinery -256.96 -447.04 -599.00 -900.67 384 Transport equipment -126.79 -164.71 -277.01 -537.10 385 Transport equipment -126.79 -164.71 -277.01 -537.10 384 Transport equipment -126.79 -164.71 -277.01 -537.10 385 Transport equipment -126.79 -164.71 -277.01 -537.10 385 Transport equipment -126.79 -164.71 -277.01 -537.10 386 Transport equipment -126.79 -164.71 -277.01 -537.10		BASIC METAL INDUSTRIES	-2:2.12	-742.29	-695.55	-941.05	-892.82	
372 Non-ferrous motals -25.49 -38.17 -73.41 -100.36 381 Retal products, except mach and equipment -71.24 -129.30 -231.65 -352.78 382 Non-electrical machinery -77.24 -129.30 -231.65 -352.78 382 Non-electrical machinery -256.96 -447.04 -599.00 -900.67 383 Electrical machinery -126.79 -164.71 -277.01 -537.16 384 Transport equipment -126.79 -164.71 -277.01 -537.19 385 Transport equipment -126.79 -164.71 -277.01 -537.19 385 Transport equipment -126.79 -164.71 -277.01 -537.19 386 Transport equipment -132.12 -711.68 -827.30 -999.57 -91.70 <	371	Iron and steel	-216.63	-701.12	-622 . V	-Brio.69	-72.78	
RARRICATED METAL PRODS., MACH AND EQUIPMENT 617.00 -1054.26 -1 974.49 -2 885.41 381 Metal products, except mach and equipment -77.24 -129.30 -231.65 -352.78 382 Non-electrical machinery -256.96 -447.04 -599.00 -900.67 383 Electrical machinery -256.96 -447.04 -599.00 -900.67 384 Transport equipment -126.79 -164.71 -271.01 -559.00 -900.67 385 Transport equipment -23.89 -447.04 -599.00 -900.67 386 Transport equipment -26.73 -126.77 -271.68 -827.30 -999.87 387 Transport equipment -23.89 -41.153 -69.53 -97.70 386 Transformal, scientific goods, etc. -23.69 -51.15 -69.53 -97.70 387 Transformal, scientific goods, etc. -23.69 -51.15 -63.47 -91.97 388 Transformal, scientific goods, etc. -376.76 -51.91 -51.91 -51	372	Non-ferrous metals	-25-49	-38.17	-73-41	-100.36	-149.06	
Metal products, except mach and equipment -77.24 -129.30 -231.65 -352.78 Non-electrical machinery -26.96 -447.04 -599.00 -900.67 Electrical machinery -256.96 -447.04 -599.00 -900.67 Transport equipment -126.79 -164.71 -247.01 -534.19 Transport equipment -132.12 -711.68 -827.30 -999.87 Professional, soientific goods, etc. -23.69 -41.53 -69.53 -97.70 OTHER MAUFACTURING INDUSTRIES -32.90 -51.15 -63.64 -91.67 -93.95 MANUFACTURING: TOTAL -1652.75 -3 756.76 -61.21 -51.27 -713.97		NACE AND	-617.00	-1 054.26	-1 974-49	-2 885.41	-114-75	
Non-electrical machinery -256.96 -447.04 -599.00 -900.67 Electrical machinery -126.79 -164.71 -247.01 -534.19 Transport equipment -126.79 -164.71 -247.01 -534.19 Transport equipment -126.79 -164.71 -247.01 -534.19 Transport equipment -132.12 -271.68 -827.30 -999.87 Professional, scientific goods, etc. -23.69 -41.53 -69.53 -97.70 OTHER MANUFACTURING INDUSTRIES -32.90 -51.15 -63.47 -83.95 MANUFACTURING: TOTAL -1652.75 -3756.74 -51.21 -51.27	ន្តន	ach do	-77.24	-129.30	-231.65	-352.78	-757-91	
Lieotrical machinery -126.79 -164.71 -271.01 -534.19 Transport equipment -132.12 -271.68 -827.30 -999.87 Frofessional, scientific goods, etc. -23.69 -71.53 -69.53 -97.70 Frofessional, scientific goods, etc. -23.69 -71.53 -69.53 -97.70 OTHER MANUFACTURING INDUSTRIES -32.90 -51.15 -63.47 -83.95 MANUFACTURING: TOTAL -1 652.75 -3 756.74 -61.21 -5 173.97	ž	Non-electrical machinery	-256.96	147.8	-599.00	10.006-	-1 606.56	
385 Frofessional, scientific goods, stc. -132.12 -61.100 -021.30 -99.961 385 Frofessional, scientific goods, stc. -23.89 -41.53 -69.53 -97.70 OTHER HANUFACTURING INDUSTRIES -32.90 -51.15 -63.47 -83.95 NANUFACTURING INDUSTRIES -1652.75 -3756.74 -651.91 -5113.97		ELECTRICAL MACAINERY	-126.79	-164.71	-2/7.01	-534.19	12.50	
OTHER HANUPACTURING INDUSTRIES -32.90 -51.15 -63.47 -63.95 NANUPACTURING: TOTAL -1 652.75 -3 756.74 -4 651.91 -5 173.97	۲ گ	tifio goods.	-132.12		05.50 169.51	10.666-	-128.19	
-1 652.75 -3 756.74 -4 651.91 -5 173.97		OTHER MANUFACTURING INDUSTRIES	00.01-		20-89-	. 8 	-124.78	
			<u> </u>	-) 120-14		-2 113.91	-7 281-70	

Source: Central Bureau of Statistics, Foreign Trade Statistics of Syria, 1973-1977.

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CHAPTER VII

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THE MANUFACTURING SECTOR IN THE YEAR 2000

Introduction.

The past is often the best guide to the future. It is our understanding of how the economy works in the prosent and how it worked in the past that allows us to undertake the presumptuous task of forecasting the future. Indeed, forecasting the future is different from simply projecting the historical trends. Our interest in the past and the present performance of oconomic variables is related to our desire to unearth the set of relationships that define and govern the behavior of the system under study. For if We were to understand the nature and pattern of response of economic agents and institutions to economic policy and parameters, the task of predicting the future values of the variables of the system is reduced to a prediction of policy. In a planning context, what is needed is government intentions, allocations and visions of the future. This does not mean that a consistent picture of the system in the future cannot be generated from a simple projection of exogenous variables. It simply underlines that the process of forecasting is more varied and erbodies simple extrapolations as a special .0480

Consistent forecasts are derivable mainly, if not solely, within the context of a solvable model. The structure of the model envisaged in this exercise of forecasting Syrian manufacturing activity is a two-level system. There is a generalized macro-econometric model that solves consistently for the aggregate variables. Appended to it is a detailed sectoral model of manufacturing activity that uses macro-variables of the aggregate model as exogeneous variables to explain the industry specific variables.

The discussion in this chapter shall be carried under three headings: (1) Description of the sectoral model (2) Results of the model and (3)Simulation expercise. The model.

The macro-econometric model is developed and is discussed in a separate ECMA report. Only the details of the industry model are discussed here.

The model consists of two behavioral equations and one definitional equation for each of the ten two-digits classification of manufacturing activity. The endogenous variables include:

 D_i the domestic use of the meanfacturing ith product or apparent demand D_i . N, imports of product i

00, gross output of product i.

Several alternative formulations were tried and we have selected the most appropriate results; choice criteria were both economic theory and statistical significance. The model chosen is recursive, first demand is determined, then imports, together with exports they determine gross output. Value added is derived from gross output data. Thus only ordinary least squares were used in both linear and log-linear forms. The coefficient of multiple correlation corrected for degrees of freedom R^2 , and Durbin-Hatson statistics (D-H) are calculated for each equation. The first indicates the goodness of fit and the second is a check on the presence of social auto-correlation among the error terms that could bias the coefficient estimates. The figures in parantheses below the coefficients are the t-ratios (the coefficient value divided by its standard deviation). The sample period extends from 1963-1977. This period is rather short, however, it is the only period for which sufficient observations on most variables exist.

The limited number of our observations and its general unreliable observations is general unreliable observations is our model and results. Least square estimates rest on an important assumption that takes the structure of the sconomy estimated as fixed over the estimated period. As the economic and political situation in Syria is anything but constant, it is doubtful that our model can provide highly accurate results. One should note, therefore, that the estimated coefficients are only an approximation of the "true" relationship.

^{1/} This model has been developed by ECWA, Development Planning Division.

division's MVA, and 10.2 per cent of the total public sector's output in manufacturing. The public sector establishments operating in this industrial division produced a wide spectrum of products including nitrogenous fertilizers (operated in 1972), paints and varnishes, drugs, chemical cleansers, matches, oil products, and a variety of plastic and rubber products.

It is expected for this division to become a leading industrial division in the public sector, in view of the major projects which are under construction and planned. These projects include two major fertilizer plants for manufacturing triple-super phosphate and amonia, urea fertilizers, additional to a second oil refinery at Panias, and a tyres plant.

Fabricated metal products machinery and equipment is the fourth largest industrial division. It produced 12.4 per cent of MVA in the public sector in 1977. The two equally important industrial branches of this division are the electrical and non-electrical machinery, each contributing to MVA about 5 per cent of total public sector manufacturing output in 1977. The range of products manufactured in the non-electrical machinery branch included: tractors and agricultural equipment, refrigerators, pressure cooking pots, gas ovens, cables and water meters. In the electrical machinery branch, the products included: industrial electrical engines, black and white and colored TV sets, telephones sets and exchanges, liquid and dry batteries.

Five major projects have been constructed and started production in 1978 in this industrial division. These are: a cables plant, an aluminium cross sections plant, battery boxes plant, an electrical lamps plant, and a pencils manufacturing plant.

The fifth largest industrial division in the public sector is the nonmetallic mineral products industry, contributing 7.0 per cent of MVA in total public sector manufacturing in 1977. This industry consists mainly of glass and its products and cement, the latter being the main industry: The structure of the model includes first the definitional identity of the manufacturing sector.

(1)
$$OO_{it}^* = D_{it}^* + X_{it}^* - N_{it}^*$$

where

GO^{*}_{it} = Real gross output of sector i D^{*}_{it} = Local demand for the output of sector i X^{*}_{it} = Real export of sector i H^{*}_{it} = Real import of sector i

(2)
$$D_{it}^{*} = F^{i} (NDP_{t}^{*}, P_{it})$$

Demand for manufacturing output'i' is a function of real net domestic product (NDP_{t}) at time t and the selling price of output i, (P_{it}) .

It is expected that
$$\frac{\partial D_{it}}{\partial NDP_{t}} > 0$$
 and $\frac{\partial D_{it}}{\partial P_{it}} < 0$; i.e.,

increases in income raise the local demand for the output of sector i and price increases reduce the quantity demanded. The demand for sector i output includes final demand uses as well as intermediate uses.

The sum of sectoral gross outputs is the total manufacturing gross output (GO_m) .

(3)
$$a_{m} = \frac{1}{1} a_{i}$$

The gross output of each sector can be easily converted into value added by utilizing the relationship below:

(4) VA = $\alpha_i \beta_i GO_{it}$ where α_i and β_i

are the parameters representing the intercept and slope respectively. It is also true that total manufacturing value added is the sum of sectoral value added.

(5)
$$VA_{mt} = \underbrace{N}_{i=1} VA_{it}$$

Imports are assumed to be determined by relationship (6)

(6)
$$\mathbb{M}_{it}^* = L^i (D_{it}^*, P_{it}, P_{mi,t})$$

whero

Pmi,t = is the unit import price of sector i at time t.

Results of the Model

The findings are discussed in terms of aggregative 2-digit sectors. Manufacture of food, beverages and tobacco

A. Demand equations

(i)
$$D_1^* = 25543 + 5757 \text{ NDP}^* - 1030 P_1$$

(1.3) (.14)
 $\overline{R}^2 = 48$
 $F = 7.1$
 $DW = .58$
(11)⁺ $L_N D_1^* = 10.2 + .86 L_N \text{ NDP}^* - .18 L_N P_1$
(1.5) (.26)
 $\overline{R}^2 = 98$
 $DW = 1.5$

B. Import equations

(i)
$$M_1^* = -21754 + .303 D_1^* + 166 P_1 - 343 P_{m1}$$

(7.2) (.37) (4.2)
 $R^2 = 84$
 $F = 23$
 $DW = 2.1$
(ii) $L_N M_1^* = -3.67 + 1.23 L_N D_1^* + .16 L_N P_1 - .34 L_N P_{m1}$
(7.4) (56) (3.5)
 $R^2 = 87$
 $F = 29$
 $DW = 2.5$

+ corrected for auto-correlation

* represent real variables

The local demand for food, beverages and tobacco is income inelastic. Increases in income result in smaller percentage increases in demand. The local demand is also price inelastic. It is interesting to note here that the demand specification has the correct economic signs. The linear specification shows a low f^2 as well as a low DW coofficient, the lattor indicates the presence of serial auto-correlation. The correction for sorial auto-correlation raises both the coefficient of goodness of fit and the t-ratios of the coefficients, thereby improving the explanatory power of the equation.

The import equation shows a good fit with high \overline{R}^2 and acceptable DW coefficient. Increases in demand result in higher percentage increases in imports. However, imports do not satisfy more than one fifth of the Syrian demand. However, there does not appear to be a clear tendency for import substitution. Nonotheless, significant increases in import prices are sufficient to reduce imports substantially.

Value added in this sector appears to be a falling ratio of gross output. Almost 21 per cent of each unit of gross output is transformed into domestic income (Tables VII.1 and 2). The declining portion of value added of gross output may very well be the result of the subsidized pricing policy of government of food products.

Textile, !learing Apparel and Leather Industries.

A. Domand equations, Syria, 1963-1977

$$D_2^* = 21,768 + 20,539 \text{ NDP}^* - 10,771 P_2$$

(1.6) (2.1) $\overline{R}^2 = 73$
 $F = 18$
 $DM = 1.6$
 $\geq (D_2^*, \text{ NDP}^*) = 3.9$
 $\leq (D_2^*, P_2) = -2.6$
Import equations, Syria, 1963-1977
(1) $\overline{M}_2^* + 4,882 + .0299 D_2^* + 563 P_2 - 352 P_{m2}$
(2.0) (5.7) (2.6) $\overline{R}^2 = 88$
 $F = 33$
(11) $L_N N_2^* = 7.8 + .022 L_N D_2^* + 1.2 L_N P_2 - .62 L_N P_{m1}$
(1.0) (2.8) (1.03) $\overline{R}^2 = 80$
 $F = 18$

DW

= 1.9

* real variables

Local demand for this sector's product is income elastic as well as price elastic. A one por cent increase in real income results in a 3.9 per cent increase in demand. However a one per cent rise in prices of textile products results in 2.6 per cent decline in domand.

The import equation shows a better fit than that of local demand. It has the correct economic signs, all the variables are statistically significant and the \overline{R}^2 is relatively high. Imports satisfy a rather small percentage of local demand (tables VII. 1 and 2) and the possibilities of import substitution are rather high.

3. Wood products, furniture and fixtures.

- A. Demand equation. Syria. 1963-1977 (i) $D_3^* = -54,246 + 2,187 \text{ NDP}^* - 598 P_3$ (5.4) (4.7) $\overline{R}^2 = 73$ F = 18 DW = 1.6 $\underbrace{\Sigma} (D_3^*, NDP^*) = 2.1$ $\underbrace{\Sigma} (D_3^*, P_3) = .74$ (ii) $L_N D_3^* = 8.68 + .85 L_N NDP^* - .211 L_M P_3$ (1.9) (1.2) $\overline{R}^2 = 34$ F = 4.3 DW = 1.4(iii) $^{+}L_N D_3^* = 6.75 + 1.54 L_N NDP^* - .51 L_N P_3$ (3.1) (2.6) $\overline{R}^2 = 99$ DW = 1.5B. Import equation. Syria. 1963-1977
 - $M_{3} = -56,046 + .78 D_{3}^{"} + 155 P_{3} 238 P_{m3}$ (5.5) (3.6) (1.6) $\overline{R}^{2} = 94$ F = 72 DW = 1.5

* real variables.

+ corrected for auto-correlation.

Local demand for wood products, furniture and fixtures is income elastic but price inelastic. Rising incomes and rising prices will still lead to higher local demands. The price effect is not sufficient despite its right sign to counteract the demand effect. Imports appear to satisfy a rather large portion of local demand. expecding 50 per cent.

Increases in domestic prices will result in higher imports. However, higher import prices do not have a strong negative effect on imports. Value added per unit of output in this sector is rather high with a value of 41 per cent (Tables VII 1 and 2). Furthermore the proportion of value added to gross output is rising indicating a higher degree of processing within this sector.

Paper products, printing and publishing.

A. Demand equation, Syria, 1963-1977	
A. <u>Demand equation</u> , <u>Syria</u> , <u>1963-1977</u> (i) $D_4^{\#} = 13,642 + 150 \text{ NDP}^{\#} + 279 P_4$ (.95) (1.6)	R ⁻² = 82 P = 30 DW = 1.7
$\{(D_4^*, NDP^*) = 0.31$	DW = 1.7
$(D_4^*, P_4) = 0.48$	
(11) $L_{N}D_{4}^{*} = 7.2 + .13 L_{N}NDP^{*} + .64 L_{N}P_{4}$ (.71) (2.9)	R ⁻² = 87 F = 44 D.1 = 1.9
B. Import equation. Syria. 1963-1977	

(i)
$$\mathbb{M}_{4}^{*} = 10,122 + .939 D_{4}^{*} - .328 P_{4} + .7 P_{m4}$$

(6.3) (7.6) (.02) $\overline{\mathbb{R}}^{2} = .91$
 $\overline{\mathbb{R}}^{2} = .91$

$$(ii)^+ M_4^{\pi} = 9,319 + .990_4^{\pi} - .351 P_4 + 2.49 P_{m4}$$

(8.2) (9.3) (.1⁵) $\vec{R}^2 = .96$
DW = 1.8

* real variables.

+ corrected for auto-correlation.

The demand specification whether in linear or in legarithmic form shows a statistically insignificant rolationship between demand for paper products, printing and publishing and income (low t-ratie). Moreover, the price variable has also the wrong sign. Higher prices result in higher demand. This may very well be the outcome of speculation in paper inventories, apparently a usual practice with regard to this product. Furthermore, the real income variable is perhaps the wrong economic variable to admit as a principal oxplanatory variable of usmend. The statistical indices of goodness of fit and serial auto-correlation are otherwise acceptable.

There appears to be an almost one to one correspondence between increases in local demand for paper products, printing and publishing and increases in imports of these products. Yet, imports de not exceed 40 per cent of total demand. The future situation will show greater increases in dependence on imports to satisfy local demand.

The price variables work in the opposite direction to that expected. Higher domestic prices result in higher imports, whereas higher import prices lead to lower imports. This substantiates further our hypothesis of inventory speculation. Higher domestic prices entice local suppliers to unload their stocks, whereas higher import prices may be taken as a portend of yot higher future prices.

Value added in this sector is almost a third of gross output. This may very well be the outcome of high operating surpluses. However, the ratic of value added to gross output is, surprisingly, falling indicating less less processing within this sector (Tables VII-1 and 2).

Industry 1. Food, beverages and tobacco	Interept 54 945 (3.5)	<u>Gross Output</u> .2138	<u>R</u> ²	D.V.
1. Food, beverages and tobacco		21 38		
	~~~//	(15.2)	95	•57
2.Textile, wearing apparel and leather industries	-84 505 (1.4)	.0431 (10.1)	89	2.1
3.Wood and wood products - including furniture	- 6 266 (1.3)	.4117 (15.2)	95	1.2
4. Paper, paper products, printing and publishing	1 492 (1.8)	• <b>3009</b> (17•2)	96	1.4
5. Chemicals, chemical petroleum scal, rubber and plastic - products *	1, - 4 041 (•59)	.2824 (12.7)	93	1.3
6.Non-metallic mineral a products	• 9 305 (3•3)	•5131 (32•1)	99	2.6
7.Basic metal industries	5 607 (1.5)	•3531 (12•2)	92	•98
8.Fabricated metals, machinery and equipment	792 (.36)	•5012 (73•9)	<del>99</del>	1.00
9.0ther manufacturing industries	287 (.26)	.4705 (6.1)	74	.36

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Table VII.1 The Manufacturing Value Added - Gross Output Relationship in Syria 1963-1977

* The last two observations were deleted for estimation purposes.

Industry	Interapt	Gross output	R -2	D.W.
L. Food, beverages and tobacco	3.18 (3.3)	•675 (9•5)	87	•47
2. Textile, wearing apparel and leather industries	-1.96 (1.13)	1.06 (8.5)	85	2.1
5. Wood and wood products including furnitury	6061 (.78)	•964 (14•4)	94	.86
. Paper, paper products, printing and publishing	2613 (.55)	•924 (20.2)	97	1.7
petroleum, coal, rubber and plastic products	-3.357 (1.9)	1.161 (8.3)	86	.83
. Non-metallic mineral products	-2.208 (4.8)	1.16 (28,7)	<b>98</b>	2.4
. Basic metal industries	48 (.94)	•971 (20.0)	97	1.01
. Fabricated metals, machinery and equipment	-1.32 (5.6)	1.05 (53.5)	<del>9</del> 9	1.4
. Other menufacturing industries	1.03 (.65)	.813 (4.8)	63	•59

Table VII.2. The Manufacturing Values Added - Gross Output Relashionship in Syria 1963-1977. (The logarithmic specifications)

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Chemicals and chomical, potroloum, coal, rubbor and plastic products.

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# A. Demand Equations. Syria 1963-1977

(i) 
$$D_5^* = 190740 + 2821 \text{ MDP}^* - 19842 \text{ P oil}$$
  
(1.3) (2.4)  $\overline{R}^2 = 236$   
 $\leq (D^*5, \text{ MDP}^*) = 0.88$   $P = 4.6$   
 $\geq (D^*5, P_{\text{oil}}) = -4.6$   
(ii)  $L_{\overline{M}} D_5^* = 22.5 + .76 L_{\overline{M}} \text{ MDP}^* - 2.89 L_{\overline{M}} \text{ P oil}$   
(1.6) (1.1)  $\overline{R}^2 = 99$   
 $DW = 1.9$ 

## B. Imort Equations, Syria 1963-1977

(i) 
$$\mathbb{M}_{5}^{*} = -124580 + .53 \ \mathbb{D}_{5}^{*} + 12109 \ \mathbb{P} \ oil + 1156 \ \mathbb{P}_{325}$$
  
(7.6) (6.9) (3.4)  
 $\mathbb{R}^{2} = 95 \ \mathbb{P} = 87 \ \mathbb{D}_{4} = 2.3$ 

(11) 
$$\mathbf{H}_{5}^{*} = -72760 + .65 \ GO_{5} + 14295 \ MDP^{2} - 6345 \ P_{M5}$$
  
(4.0) (4.9) (3.3)  
 $\mathbf{R}^{2} = 89$   
 $\mathbf{P} = 38$   
 $DW = 1.96$   
(111)  $\mathbf{L}_{M}\mathbf{H}_{5}^{*} = -35 + 1.3 \ \mathbf{L}_{M} \ D_{5}^{*} + 6.8 \ \mathbf{L}_{M} \ P \ oil$   
(9.3) (5.8)  $\mathbf{R}^{2} = 94$   
 $\mathbf{P} = 95$   
 $DW = 1.5$ 

## * real variables

++ corrected for auto-correlation and the last two observations are deleted.

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Demand for the products of this sector is income elastic, however, they respond rather strongly to the price of fuels. The estimation of the equation was restricted to the sample period 1963-1974. In 1975 and 1976 price changes in oil resulted in significant changes in the valuation of this input in the production processes. Syrian data on value added in oil refining, for instance, shows a negative value on the grounds that the price of output is subsidized. Syria's chemical industry has witnessed rapid growth in the late sixties onward and public investment was heavily concentrated in this sector. However, imports contribute a significant proportion of this sector's demand. Import demand is price elastic and responds positively to higher import prices.

Value added in this sector contributes over 28 per cent of gross output. However, there are some considerable pricing problems in oil refining that distort the true measurement of value added (Tables VII 1 and 2, see also appendix C).

Non-Metallic mineral products.

A. Demand equations, Syria 1963-1977  
(i) 
$$D_6^* = 16,187 + 1,823 \text{ NDP}^* - 1,018 P_6$$
  
(2.0) (2.1)  $R^{-2} = 16$   
 $F = 2$   
 $DW = .73$   
 $f = 10,260 + 782 \text{ NDP}^* - 765 P_6$   
(1.3) (2.8)  $R^{-2} = 44$   
 $DW = .90$   
B. Import equations, Syria 1963-1977  
(i)  $M_6^* = -45,431 + .22 D_6^* + 382 P_6 - 8.7 P_{m6}$   
(4.8) (6.3) (.16)  $R^{-2} = 0$ 

* real variables.

+ Corrected for auto-correlation.

Local demand for non-metallic mineral products is both income and price elastic. The goodness of fit of the demand equation is rather poor.  $R^{-2}$  is as low as 44. However, both variables, income and price are statistically significant and have the expected sign.

97 125

**=**..2,0

DW

Imports satisfy a substantial proportion of local demand and respond strongly to changes in it. Higher local prices result in higher imports, whereas higher import prices lead to lower imports. There are nine establishments operating in the cement industry. In addition to cement, they produce asbestos pipes and sheets, porcelain (39 million tiles per year capacity), and bathroom accessories (5,000 tons per year capacity). The cement industry itself has undergone a rapid expansion in capacity. In 1978, the cement production capacity reached 1,727,000 tons per year, of which 780,000 tons represent new production capacities. In 1983, when all the new cement projects will be completed, production capacity will rise to 5,367,000 tons annually, of which 4,620,000 tons will be produced by the new plants. In that year, cement consumption is expected to reach 3,872,000 tons per year, which leaves Syria with a surplus for exports of 1,495,000 tons, compared with a deficit of 740,000 tons in 1978  $\frac{1}{2}$ .

Similarly, the glass industry has undergone a major expansion. Thus, in addition to the complete modernization and expansion of the glass and the china products plants in Damascus, a new glass plant at Aleppo has just been completed and started production in 1979.

The sixth largest industrial division in the public sector is the basic metal industries. This division contributed 2.7 per cent of MVA in the public sector in 1977. This industry began with the iron rods plant in Hama, which was completed in 1972 but now developed into a basic metal industrial complex including a scrap iron melting plant for manufacturing iron pipes which was constructed and started production in 1978.

The industrial structure of the public sector in 1977 as we have just seen, has changed considerably from what it was in 1966, when the sector has just been established. Then the textile, wearing apparel and leather and the food, beverages and tobacco divisions had a much larger share of output. They accounted for 78.1 per cent of sector's total MVA compared to 67.4 in 1977. The textile, wearing apparel and leather produced 40.1 per cent of the MVA, primarily by the

^{1/} The data and estimates have been obtained from the General Organization of Cement Industries, Damascus.

Value added per unit of output exceeds 51 per cent and is rising with a pronounced upward trend (Tables VII 1 and 2).

## Basio metal products.

#### A. Demand Equations

(1) 
$$D_{7}^{*} = -76876 + 2208 \text{ MDP}^{*} + 100 P_{7}$$
  
(3.6) (.47)  
 $(D_{7}^{*}, \text{ MDP}^{*}) = 1.2$   
 $(D_{7}^{*}, P_{7}) = 0.083$   
(11)⁺  $D_{7}^{*} = -69796 + 2068 \text{ MDP}^{*} + 162 P_{7}$   
(5.0) (1.2)  
 $\overline{R}^{2} = 95$   
 $DW = 1.9$ 

#### B. Import Equations

(i) 
$$\mathbf{M}_{\gamma}^{*} = 1511 + .95 \ \mathbf{D}_{\gamma}^{*} - 99 \ \mathbf{P}_{\gamma} - 47 \ \mathbf{P}_{\underline{m}\gamma}$$
  
(31) (2.5) (.97)  $\mathbf{R}^{2} = 99 \ \mathbf{P} = 744 \ \mathbf{D} \mathbf{W} = 2.4 \ \mathbf{D} \mathbf{W} = 2.4 \ \mathbf{D} \mathbf{W} = 2.4 \ \mathbf{U} = 2.4 \ \mathbf{$ 

(11) 
$$\mathbb{H}_{7}^{*} = -83528 + 2524 \text{ MDP}^{*} + 178 P_{7} - 551 P_{\text{m7}}$$
  
(4.0) (.78) (1.7)  
 $\mathbb{R}^{2} = 78$   
 $\mathbb{P} = 17$   
 $\mathbb{D} = 2.7$   
* real variables.

+ corrected for auto-correlation.

Local domand for basic metals is highly correlated with changes in aggrogate real income. It is also income elastic, i.e., a one per cent increase in real income raises real domand by 1.2 per cent. The price variable has the wrong sign signifying again possible inventory speculative behaviour.

Imports supply the major part of local demand. Higher domestic prices result in lower imports as local suppliers unload their speculative stocks. Value added por unit of output is 35 per cent but it displays a falling trend and a possible docline in local processing (Tables VII 1 and 2). This may indeed be the result of the increase in availability of foreign exchange in Syria in recent years. Fabricated metals, machinery and equipment.

A. Demand Equations . Syria 1963-1977

(i) 
$$D_8^* = -82975 + 5485 \text{ MDP}^* + 249 P_8$$
  
(2.4) (.19)  $\overline{R}^2 = 90$   
 $P = 60$   
 $\Psi = .61$   
 $\Psi = .61$   
 $\Psi = .61$   
(11)*  $L_N D_8^* = 7.9 + 1.18 L_N MDP^* - .05 L_N P_8$   
(2.3) (.18)  $\overline{R}^2 = 99$   
 $DW = 1.6$ 

(i) 
$$M_8^* = -15284 + 1.22 D_8^* + 1022 P_8 - 1636 P_{m1}$$
  
(15.8) (2.2) (4.5)  
 $R^2 = 99$   
 $F = 443$   
 $DW = 1.5$ 

* real variables.

Fabricated metal industries are highly developed industries and require complicated processes and sophisticated technologies. The nature of this industry in Syria is, however, different. it is principally a collection of repair shops of machinery and equipment with few package and paint assemblies. The demand for these services and even the packaged products is generally income clastic. The estimated Syrian demand substantiates this fact. Given that the products of this sector are limited, the price elasticity of demand is not surprisingly low. Changes in imports even exceed changes in demand reflecting perhaps the assembly nature of this industry and its exclusive dependence on imports. Imports make up almost 90 per cent of total demand. Prices play a significant role in the behaviour of import demand for the products of this sector. Higher local prices raise imports, however, higher import prices result in lower imports.

Value added per unit of output of this sector is rather high compared to the normal pattern of this industry in developed cooncaies. This is the effect of the heavy concentration of repair services activities within the sector and/or the result of a special pricing system geared to reise revenues for government.

## Other manufacturing products.

## A. Demend Equations

(i) 
$$D_9^* = -8056 + 327 \text{ MDP}^* - 3.8 P_9$$
  
(1.8) (.05)  $\mathbb{R}^2 = 82$   
 $(D_9^*, \text{ MDP}^*) = 1.3$   $P = 30$   
 $DW = .84$   
 $(D_9^*, P_9) = -.02$   
(ii)⁺  $L_N D_9^* = 4.77 + 1.2 L_N \text{ MDP}^* - .05 L_N P_9$   
(2.8) (1.3)  $\mathbb{R}^2 = 97$   
 $DW = 1.3$ 

#### B. Import Equations .

. .

(1) 
$$H_{9} = 172 + .79 D_{9}^{*} + 66.8 P_{9} - 90.4 P_{H9}$$
  
(4.3) (2.1) (1.5)  $R^{2} = 94$   
 $F = 65$   
 $DW = 1.05$   
(11)⁺  $H_{9}^{*} = -5607 + .97 D_{9}^{*} + 22.2 P_{9} - 24 P_{H9}$   
(6.1) (.85) - (.41)  $R^{2} = 81$   
 $DW - 1.63$ 

- * real variables
- + corrected for auto-correlation.

This is a residual sector which comprises a number of diverse and dissimilar activities. These characteristics render difficult the task of modelling the behaviour of this soctor. However, the statistical properties of the demand and import equations are such that they establish a significant fit and that real income is an acceptable (statistically) explanatory variable of local demand. Prices, however, play an insignificant role in determining behaviour of either demand or imports.

Value added per unit of output is almost 50 per cent. The elasticity of income with respect of output is marginally less than unity.

The quantitative analysis of Syrian manufacturing reveals some interesting features. Economic behaviour is evident in most sectors. Even when signs of variables violate statical expectations, they tend to revial strategic inventory speculative behaviour in durable goods. Import equations behave statistically better than demand equations but this is to be expected given the nature of data and the heavy dependence of the Syrian economy on imports of industrial products. Import substitution behaviour is noted in few sectors and the economic behaviour of agents in most sectors suggest that an effective role may be played by a coherent policy. Value added, as a proxy for the degree of local processing and income generation capacity is rising in several sectors. A high value added at times, however, is indicative of the primitive nature of the sector and each case should be studied continuously and separately.

The equations presented in this section will now be used as tools of forecasting Syrian manufacturing activity in the future. A number of simulation excercises have been carried out using the model system developed for Syria. Although several alternative forecasts will be presented in this study, however, three variants will be emphasized. The first will assume that the macro-econometric model and the industrial model both capture the Syrian economic structure and the nature of change and therefore simple trend projections are capable of giving a clear picture of the future structure of the manufacturing sector. Indeed, this assumption may be valid for short period forecasts but loses much of its validity as the time period is extended. It will be presented here solely as a background. The second variant takes into consideration the working structure of the Syrian economy in response to conscious policies and strategies. In particular two strategies will be singled out. The first is the development of an integrated sophisticated industrial base by promoting end-processing and non-consumer goods producing sectors. The second involves heavy dependence on import substitution and exporting within the national natural milier. of the Arab world.

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The third variant attompts to relato Syrian manufacturing activity to the pattern of similar economies of the world at different intervals of time. The main advantage of such an approach is related to the global picture it provides for assessing the pattern, nature and scope of Syrian industrial experience in relation to the experience of other economies with similar obaracteristics.

#### A simulation exercise.

The historical perspective and its projection into the future provided the basic framework for the aggregate variables used in this exercise. However, even the past is not a clear cut period. Syrian development is different between 1960-1970 and 1970-1976. Indeed the recent changes in the price of oil has had significant consequences on the Syrian economy. First exports of Syria increased rather substantially. Secondly, Syria received large transfors of capital denominated in foreign currencies. Thirdly, the latter period has been characterized by political and economic stability, marking the end of the transition and uncertain period of the sixties.

If we were to take the period 1963-1977 real GDP grew at an annual rate of 7.9 per cent. However, between 1970-1977 the GDP growth rate in real terms exceeded 10.4 per cent. Those two rates were adopted to represent the low and high rates of growth. A composite rate of growth between these two rates was considered as representative of the medium rate of growth.

The value of GDP in 1975 was expressed in terms of 1970 prices and translated into U.S.Dollars at the rate of USS 1 = SL 3.70. Then the rates of growth postulated were used to extrapolate the Syrian GDP up to the year 2000.

Three variants of population growth were adopted from the United Nations selected world demographic indicators. The details of the figures are presented in table VII.3.

mill	GDP ion US Do:	llars		Population [*] (	(000)
Low	Medium	High	Low	Medium	High
1980 4268	4521	4780	8492	8536	8536
1985 6242	7005	7850	9919	10081	101 <b>38</b>
1990 9130	10852	12874	11498	11823	12046
1995 13353	16813	21113	13221	<b>13</b> 750	14217
2000 19530	26047	<b>3</b> 4626	14938	15824	16591

## Table VII.3 <u>Projected GDP and Population for</u> Syria. 1980 - 2000

* Population data are derived from the source below:

Source: U.N. Selected World Demographic Indicators by Countries 1950-2000 ESA/P/W2.

The per capita GDP projections were used as inputs in the UNIDO estimated equation for the designation of per capita manufacturing value added.  $\frac{1}{}$  Only three configurations were adopted. These include low GDP but high population grewth, modium GDP growth and modium population, and high GDP grewth but low population grewth (Table VII.4).

The equation used designates Syria as a small economy with medest resources. The parameter estimates are given below:

 $L_{N} \left(\frac{IIV\Lambda}{Pop}\right) = -7.491 + 2.447 L_{N} \frac{GDP}{pop} - 0.0794 \left(L_{N} \frac{GDP}{pop}\right)^{2}$ 

The results are presented in Tables VII.5 and 6.

^{1/} This study classified countries into four groups: large countries, small countries with modest resources, small countries with ample resources and industrial orientation, and small countries with ample resources and primary orientation. The data reveal that the share of manufacturing in commodity GDP is the highest for large countries ranging between 20 per cent for low level income and reaching 67 per cent at high lovel income, and lewest for countries with ample resources and oriented te primary production, ranging respectively between a low 9 per cent and a high 51 per cent. See UNIDO, World Industry Since 1960: Pregross and Prospects. United Nations, 1979, pp.45-49.

Table VII.4 Sy	rian per capita	GDP in 1980.	1990. 2000	(US Dollars	<u>in 1970 prices</u> )
		1980			
	P _L	P _M	P _H		
GDPL	502	500	500		
GDP _M	532	630	530		
GDP _H	563	560	560		
		1990			
	P _L	P _M	P _H		
^{GDP} L	7 <del>9</del> 4	772	758		
GDP _M	944	917	<b>9</b> 01		
CDP _H	1119	1089	1068		
		2000			
	P _L	P _M	P _H		
ODP _L	1307	12 <b>34</b>	1177		
GDP _M	1744	1646	1570		
GDP _H	2318	2188	2087		

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Source: Our calculations

	Per	capita MV	Ŧ		MVA	
	LXH	MXM	HXL	LXH	MXM	HXL
1 <b>98</b> 0	104.5	113.5	1 <b>24.</b> 2	892	969	1054
1 <b>9</b> 85	141.3	167.2	200.9	1432	1685	1993
1 <b>99</b> 0	189.3	246 <b>.2</b>	322.0	2280	2911	3702
1 <b>995</b>	254.2	361.8	511.5	3614	4975	6762
2000	344.3	5 <b>3</b> 2.1	814.4	5712	8420	12165

## Table VII.5 <u>Syrian per capita manufacturing value added and total value added</u> <u>U.S. Dollars 1970 prices</u>

Source: Our calculations

Table VII.6	MVA as a percentage of total GDP		
		%	
	五天王	- NXM	HIL.
1970	15.9 (actual)		
1976	15.0 (actual)		
1980	20.9	21.4	22.0
1985	22.9	24.1	25.0
1990	25.0	26.8	28.8
1 <b>99</b> 5	27.1	29.6	32.0
2000	29.2	32.3	<b>3</b> 5.1

Source: Our calculations. For 1970 and 1976 actual data table V-1.

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There are several implications to these results as there are a number of pre-conditions that are necessary for their validation. The most interesting implication is that manufacturing under the three alternatives approaches 30 per cent and over of total GDP in the year 2000. As discussed above, this compares to a roughly stable 15 per cent ratio recorded in the 1970's. These ratios are presented in Table VII.6

Fitting Syria's emerging industrial structures with that envisaged by the Lima Declaration, we see that Syria compares favourably with other developing economies.

The detailed structure consistent with the levels of manufacturing value added are displayed in Tables VII.7 to 9.

High levels of per capita GDP are associated with high growth rates of GDP and low growth rates of population in the third HXL alternative. This structure of growth is also consistent with a developed industrial structure as is shown in Table VII.8. Consumer goods industries account for less than 42 per cent whereas heavy industry accounts for more than 38 per cent. Metal fabricating industries alone contribute 31.26 per cent of total MVA. Indeed to affect such a major transformation of the Syrian economy major changes are required in the present structure where consumer industries account for more than two-thirds of MVA. (Table VII.8). Massive investment funds will be needed in the capital goods and heavy engineering industries as well as intermediate industries calling for a significant re-direction of resources and skill formation towards high level technical manpower. These requirements appear too taxing for the Syrian economy viewed within the present context and as such this projection is rather overly optimistic. The low alternative is, however, too pessimistic presenting only minor modification to the current situation of heavy dependence on food. beverages and tobacco and textiles, wearing apparel leather and footware. The medium alternative calls for a significant re-structuring of the economy but the changes appear feasible and within bouncs of available and potential resources and institutions. Consumer goods contribute twice as much as that of capital goods to MVA but fabricated metals ranks second to food and textiles. Modelling an economy according to the developmental pattern of a large set of diverse economies is perhaps of limited usefulness and applicability. Each economy is a composite of several local and unique characteristics that renders transferrability of developmental experience a rare phenomenon. Each economy should therefore be modelled separately. For even when conditions and constraints are similar, objectives and policies may be different and the latter could account for significant variations in the pattern and structure of development.

The model described in the preceding section is now utilized as a basic tool for forecasting future demand and import requirements by sector of the Syrian economy. The forecasting is conditional on a set of assumptions whose truth is necessary for the validity of the model. Generally what is involved is a generalized vision of the sector and the responsiveness of the system to policy changes. Since so much depends upon the assumptions made, only the procedures used in forecasting are emphasized to point out the possible uses of the model in planning and policy formulation. The case of food, beverages and tobacco is singled out.

First, local demand (final and intermediate) is forecasted using the macro-econometric model to feed in the future values of the explanatory variables (real domestic product and the price index).

Second, import demand is forecasted using the future values of demand derived above and the forecasted values of local and import prices relevant for the sector.

Third, exports are assumed to be exogenous (determined outside the model). A rate of growth is postulated and future values of exports are derived.

Fourth, gross output is derived from equation (1).

Fifth, the parameters of equation 4 are used to generate the values of MVA in this sector.

textile industry which contributed alone 38.8 per cent. The food, beverages and tobacco produced 38.0 per cent of total M A. The chemicals industry division had a smaller share then which amounted to 8.3 per cent of total M.A. the fabricated metal products produced 5.5 per cent of total M.A.

The employment structure of public sector manufacturing industry is shown in Table V.15.

Total employment in the public sector industry reached 66,931 workers in 1977. The distribution of the employment among the industrial divisions follows, more or less, the relative importance of these divisions in terms of MvA. Thus, the textile, wearing apparel and leather and the food, beverages and tobacco accounted for 73 per cent of the total public sector manufacturing employment in 1977, down from 83 per cent in 1966. The textile, wearing apparel and leather division alone employed 42.9 per cent in 1977, compared with 46.1 per cent in 1966. The food, beverages and tobacco division employed 30.2 per cent of the total in 1977, equally distributed among the food products and the tobacco industries. The division's share of employment in 1966 was 36.9 per cent, with the tobacco industry providing employment for 22 per cent of the public sector manufacturing employment then.

The non-metallic mineral products division was the third largest employer in the public sector manufacturing industry in 1977, followed closely by the chemicals industrial division. In this year they provided for 9.2 and 9 per cent of the total employment, respectively, compared with 8.6 and 5.2 per cent in 1966. Thus, it can be seen that the share of employment of the chemicals division has increased significantly with the growth of the division. The largest employer in the chemicals division is the petroleum refining industry which accounted for 4.2 per cent of the sector's total in 1977. The largest employer in the non-metallic products division is the cement industry, which accounted for 7 per cent of the total in 1977. The acceptability of the forecast is surely determined by how encouragefully it predicts the future values of the dependent variables. However, the validity (truth) of the initial conditions and assumptions is essential for the validity of the model as an explanation kit of industrial activity in the food, beverages and tobacco sector.

Table VII.10 displays the forecasted values of local demand, imports, etc. of food, beverages and tobacco sector.

# Table VII.7Comparative MVA per capita in the year 2000US Dollars 1970 prices

	Deve- loped	Deve- loping	Africa	South & East Asia	latin America	West Asia	Syria
Year 2000 (past trends)	2 <b>9</b> 19	196	51	124	548	341	344
Tear 2000 (LIMA)	2 <b>39</b> 2	345	101	222	944	591	532
Year 2000 (High Growth)	<b>239</b> 2	311	96	168	944	550	814
Source: UNIDO - World	Industra	<u>Since</u>	1960: Pr	067068 BD	d Prospec	<u>te</u> .	

E.79, II.B.3, July 1979, pp. 57-59.

# Table VII.8 Syria's Industrial Structure, 1970, 1976, 2000

<u>Scenario</u>	Act		Teer	2000 2/	
	1 <b>97</b> 0	1 <b>977</b>	LXH	NCH	HIL
Sector					
Food, Beverages, Tobacco & Textiles, Wearing	<u> </u>				
Apparel, Leather & Pootses	r 67.4	62.5	56.72	41.50	26 <b>.2</b> 7
Nood, Furniture & fixtures	4.0	4.2	5.96	5.97	5 <b>.9</b> 8
Paper, printing & publishing	g 1.3	1.2	3.85	6.98	10.13
Chemicals, & chemical, coal rubber and plastic products	9.6	9.8	15.39	13.80	12.21
Non-metallic minerals	6.5	5.6	4.41	4.90	5.38
Basic metals	1.7	1.4	2.67	5.17	7.67
Fabricated metals	9.1	15.2	9.06	20.16	31.26
Other manufacturing	0.3	0.3	1.95	1.54	1.13
Total	00.0	100.0	100.0	100.0	100.0

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Sector	LXH	NKM	EXL
Food, beverages, tobacco, leather, etc	. 3240	3494	3196
Wood, furniture & fixtures	340	503	727
Paper, printing and publishing	219	588	1232
Chemicals and chemical products, etc.	879	1162	1485
Non-metallic minerals	252	412	654
Basic metals	153	435	933
Fabricated metals	517	1696	3802
Other manufacturing	112	130	136
Total	5712	8420	12165

Table VII.9 Syrian Industrial Structure. Year 2000

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(million S.L.)

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Source: UNIDO - World Industry Since 1960: Progress and Prospects.

# Table VII.10 Forecesting Industrial Activity in the Food. Bevarages

and Tobacco	Sector, in	1970 oc	metant S.L.

	1980	1995	1990	<u>1995</u>	2000
Domand	1,649,017	2,397,427	3,491,257	5,097,460	7,446,316
Imports	557,954	502,982	745,575	1,104,316	1,631,828
Exports	215,062	264,182	324,520	<b>798, 67</b> 9	489,687
Gro <b>es</b> output	1,526,125	2,158,627	3,070,202	4, 391, 783	6,304,175
Value added	<b>381 , 23</b> 0	516,459	711,354	995,908	1,402,777

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### APPHNDIX 'A'

# Astronate Statistical Tables

Table No. (A-1) Cross Domestic Product at Market (At constant prices of 1963-	Cross I (At	omestic ; constan	Product at liarket Prices by Sector, at prices of 1963- in Million Syrian	t llarket of 1963-	Prices by in Millio		1960–1977. Pounda)	•			ļ
Sectors	1960	1961	1962	1963	1964	1965	1966	1961	1968	1969	
Agriculture, forestry	612.1	818.9	1 287.9	1 196.0	1 362.4	1 297.1	1 061.1	1 268.9	1 087.1	1 406.4	
Minine & manufacturine	554.7	561.4	585.7	631.0	682 •4	724.6	720.9	769.9	826.0	998.9	
Building & construction	119.0	118.0		0.011	119.0	115.0	136.0	118.0	159.0	164.0	
Transport & Commication	0.106	320.0	376.0	328.0	367.0	393.0	388.0	406.0	506.0	241.0	
Wholesele & retail trade	650.0	596.0		758.0	773.0	0.077	819.0	787.0	829.0	976.0	
Tinance & insurance	67.5	71.0		81.3	80.6	108.8	82.5	75.2	91.8	106.6	
Ormership of dwelling	264.0	272.0	~~	287.0	294.0	303.0	310.0	319.0	326.0	335.0	
Government	203.0	261.0	321.0	360.0	431.0	438.0	477.0	485.0	574.0	595.0	
	188.0	201.0		220.0	240.0	300.0	307.0	322.0	350.0	363.0	
TOTAL	2 962.3	3 219.3	3 982.8	3 980.3	4 349-4	4 449.5	4 321.5	4 551.0	4 748.9	5 486.9	
Sectors	1970	1971	1972	1973	1974	1975	1976	1917			1
Acriculture. forestry											- :
and fisheries	1 152.7	1 187.4	1 524.5	1 106.5	1 535•4	1 635•5	1 876.4	1 729.0			236
Mining & manufacturing	1 109.1	1 203.7	1 326.1	1 410.9	1 793.0	1 938.4	2 125.8	2 329.3			5 -
Building & construction	158.7	205.0	204.3	200•2	239.4	268.7	407.4	432-8			
Transport & commication	623.4	197.4	650.6	950.0	879.5	1 113.3	818.4	835.4			
Molessie & retail trade	997.8	1 039.5	1 150.0	1 100.2	1 320.4	1 736.5	1 877.5	1 911.6			
Finance & insurance	120.0	131.2	156.5	160.7	186.4	192.7	238.9	241.1			
Ownership of dwelling	347.2	359.6	370.8	381.3	394.1	415.4	453.3	473.7			
Government	204.3	814.5	917.6	1 107.5	1 .20.8	1 458.9	1 575.2	1 576.3			
Services	403.2	447.3	486.4	520.4	586.4	635•6	732.4	830.7			
TOTAL	5 616.4	6 185.6	6 786 <b>.</b> 8	6 937.7	8 255.4	9 395.0	395.0 10 095.3 10	10 359.9			
Source: Svrian Arab Republic, Statistical Abstract,	epublic.	Statistic	al Abstre	ct, 1 <i>9</i> 75,	1578.						

2 đ 5 Source:

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Table	Table (A-2)		Gross Domestic Product (AT Current Prices	s Domestic Product (AT Current Prices	, O	t Marke in Mill	at Market Prices, in Million Syria	tt Market Prices, 1963 + 1977 in Million Syrian Pounds)	+ 1977 ads)							
	1963	1964	1965	1966	1961	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1
Agriculture	1 196	1 480	1 517	1 282	1 282	1 130	1 392	1 380	1 627	2 352	1 709	3 045	3 490	4 669	5 126	
Mining & Manufacturing	631	746	792	861	55	1 082	1 299	1 264	1 450	1 729	1 942	3 758				
Building & Construction	119	126	123	149	139	189	203	225	297	331	395	707	1 084	1 638	1 865	
Transport & Communication	1 328	371	400	391	418	12	575	639	812	705	1 045	1 83	1 383	1 216	1 172	
Trade	758	815	798	874	8	578	1 132	1 172	1 325	1 642	1 719	3 089	4 310	5 362	6 619	
Pinance	81	8	109	83	75	92	101	120	131	157	161	186	508		685	
Omership of dwelling	287	311	320	327	376	388	415	498	534	556	578	613	691	830	931	
Government	360	431	438	11†	485	574	595	111	816	919	1 198	1 606	2 510	2 814	3 028	
Services	220	231	289	318	370	410	417	424	456	501	<b>666</b>	865	1 120	1 402		
TOTAL	3 980	4 596	4 786	4 768	5 052	5 384	6 135	6 433	2 448	8 891	9 413	14 869	19 536	23 543	25 993	
اسس البثلام الجديد العادر من الامم العدمدة	U IY - U A	اسس النظام الجديد الصادر من مصناصلة الممانعانية المناطنية		الدخلاء		711 64	7111-171 (45)			القرمع	-11-	سلسلة الحسابات القومية القديمة للاموام	بل ارقام	. April . we		1
Table (A-3). (Face F4						•••••••••••••••••••••••••••••••••••••••	•							•	9 9 	
		- THAN VAPLEL FUTWALLON UN SOCIOL		8	1	11-1961	LAŁ CC	matant	Prices	701 10		lion Syn	(At Comstant Prices of 1963 in [[illion Syrian Pounds)	nda)		- , J
	1983	<b>1961</b>	1965	1966	1967	1968	1969	1970	1771	1972	1973	1974	1975	1976	1977	37 ·
Agriculture, Forestry and fisheries	8	93 6	67	18	2	23	R	012	200	215	191	150	X	150	JAC	1
Mining & Manufacturing	501	711	106	175	187	235	<b>5</b> 88	152	268	8	327	598 198	5			
<b>Transport &amp; Commicati</b> en	JQ J	108	8	123	ĸ	153	216	135	121	5	ង្ក	103	540	267	392	
Dwellings	131	121	ष्ट्र	<b>Δττ</b>	106	150	201	202	211	:61	<b>1</b> 8	229	250	331	358	
Other sectors	8	રુ	85	93	9	125	511	89	ΪQ	112	150	160	ğ	332	410	
TOTAL	525	529	457	556	575	715	932	788	932	1 012	970	1 2,19	2 005	1 826	2 651	
Source: Syrian Arab Republic, Statistical Abstract,	ab Rep	ublic, S	tatisti	cal Abs	1	1971, 1978.	978.									1

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1963-1977.	Pounds)
r Sector,	on Syrian
Gross Fixed Capital Formation by Sector, 1963-1977.	. in Millic
l Capital F	ent Prices
oss Fixed	(At Curr
Table (A-4)	

Sectors	1963	1963 1964 1965 1966 1	1965	1966	1967 1968	1968	1969	1970	1971	1972	1973	1974	1975	1976	1917
Agriculture, forestry	X	8	5	לט	5	95	142	228	295	324	371	391	735	605	683
STIT ITSUGTES	R	R	<u>•</u>	1			-	-							- 2(-
Mining & manufacturing	109	119	111	771	201	257	288	178	338	606	611	1 42	2 410	3 012	5 <b>0</b> 07
Transmont & communication		113	IOI	126	138	16,	233	158	155	137	800	260	625	1 242	1 530
		Acr		621	122	171	Ltd	298	320	360	<b>8</b> 07	633	8;3	1 161	1 464
Dwellings	101	5	111	, ,		•	7				20		ŝ		1 E2A
Other sectors	8	8	8	ጽ	103	137	126	90 <b>1</b>	137	176	162	N.	ž	603 1	
TOTAL	525	554	, <b>8</b> ,	583	625	785	1 026	<b>%</b>	1 2;5	1 601	1 885	3 166	5 514	7 829	10 270
armin Arnh Bruiklin Statiatical Abstract. 1971.1978.	Line d	140 84		tad la	ract.	91.19	78.								

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ormation by Type of Expenditure, 1963-1977.	
by Type of	
l Formation by	
d Capital	•
Gross Fixed Capital Formation	
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Table (	

(At Constant Prices of 1963, in Million Syrian Pounds)	
n Millio	
1963, 1	
Prices of	
Constant	
(At	

Type of Expenditure       1963       1965       1966       1967       1968       1969       1971       1971       1972         Dwellings       131       127       104       117       106       150       204       202       211       194         Industrial & Connercial       60       65       60       64       37       55       55       46       53       55         Vanidings       111       109       119       109       155       140       187       300       311         Transport Equipment       53       55       46       53       35       82         Machinery & other equipment170       173       132       174       230       263       313       370				•											and the second se	the second se
131     127     104     117     106     150     204     202     211       60     65     60     64     37     55     46     53       111     109     119     155     1/0     185     223     197     300       53     55     46     62     62     62     138     105     35       ************************************	Type of Expenditure	1963	1961	1965	1966	1967		1969	1970	1971	1972	1973	7 <i>1</i> 61	1 <b>97</b> 5	1976	1917
60 65 60 64 37 55 <b>55 46 53</b> 111 109 119 155 140 185 223 197 300 53 55 4,2 4,6 62 62 138 105 35 emt170 173 132 174 230 263 312 238 333	Dwellings	151	121	IQI	I	106	150	20t	202	211	19 <u>1</u>	196	229	250	331	358
109 119 155 14,0 185 223 197 300 55 4,2 4,6 62 62 138 105 35 173 132 174 230 263 312 238 333	Industrial <b>à</b> Commercial buildin <i>e</i> s	<b>%</b>	65	60	ণ্ণ	37	55	3	<b>9</b> ¢	53	55	6 <b>9</b>		123	714	176
55 4,2 4,6 6,2 6,2 13,8 105 35 173 132 174 230 263 312 238 333	Constmictions	111	109	119	155	0/1	185	223	191	8	311	262	361	522	691	788
173 132 174 230 263 312 238 333	Transnort Fouitment	51	55	Q	76	62	62	138	105	35	82	711	147	412	<b>1</b> 90	238
	Machinerv & other equipme	nt170	173	132	174	230	263	312	238	333	370	329	<b>30</b>	698	434	1 091
529 457 556 575 715 932 788 932 1	ToTAL	525	529	457	556	575	715	932	788	932	1 012	970	1 249	2 005	1 826	2 651

Syrian Arab Republic, Statistical Abstract, 1971, 1978. Source: 1

Table (A-6). Gross Firsd Capital Pormation by Type of Expenditure, 1963-1977 (At Current Prices, in Million Syrian Pounds)

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			LAV VU	BOTIS TUALING IN)	600011				Ì						
Type of Expenditure	1963	1981	1963 1964, 1965 1966 1967	1966	1961	1968	1969	1970	1971	1972	1 <i>9</i> 73	1974	1975	1976	1977
Declings	131	136	н	132	122	1/1	237	598	8 N N	Х Х	406	633	843	1 161	1 464
Industrial & commercial buildings	3	70	65	73	43	63	જ	69	82	102	ž	287	414	612	719
Construction	III	120	121	167	150	800	244	267	617	¢;55	526	959	1 627	2 241	2 777
Transmort equipment	53	55	4	I	8	67	111	<b>6</b> 01	ľ	12;	208	371	917	191 1	<b>%</b> 1
llachinery & other equipment170	ant170	173	137	167	22	284	334	247	<b>3</b> 83	<u>&amp;</u>	601	946	1 653	2 648	4 359
TOTAL	525	554	8	583	625	785	1 026	8	1 245	1 601	1 885	3 166	5 514	7 829	10 270

Source: Syrian Arab Republic, Statistical Abstract, 1971, 1978.

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Year	Total Labor Force	Total Employed	Total Unemployed	Unemployment Rate
1 <b>960</b>	1 141 300	1 021 600	119 700	10./,9
1 <b>96</b> 1	1 194, 479	1 086 403	108 076	9.05
1 <b>96</b> 2	1 175 348	1 099 522	75 826	6.45
1963	1 244 760	1 112 319	132 441	10.64
1964,	1 264, 783	1 120 832	14,3 951	11.38
1965	1 424, 267	1 321 473	102 794	7.22
1966	1 448 465	1 378 119	70 34 <u>6</u>	4 <b>.86</b>
1967	1 652 807	1 564 632	88 175	9-33
1968	<b>1 77</b> 4 251	1 643 238	131 013	7.38
1969	1 970 940	1 885 635	85 305	4•33
1 <b>970</b>	1 570 776	1 470 407	100 369	6.39
1971	1 645 721	1 522 334	123 987	7.50
1972	1 715 072	1 634 165	80 907	4.72
1973	1 688 564	1 612 075	<b>7</b> 6 .489	4•53
1 <b>97</b> 4	1 718 553	1 631 361	87 192	5 <b>.07</b>
1975	1 838 948	1 750 466	88 482	4.81
1 <b>976</b>	1 827 799	1 714; 365	113 434	6.21
1 <b>977</b>	1 <b>99</b> 4, 759	1 894, 430	100 329	5.0

Table (A-7). Labour Force in Syria, 1960-1977

Sources: - Syrian Arab Republic, The Annual Statistical Bulletin of the Ministry of Social Affairs and Labour, 1969, 1970.

- Syrian Arab Republic, Statistical Abstract, 1974, 1976 and 1978.

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110         121         117         115         123         136         129         130         155         230         235         236         291           110         115         119         116         123         126         131         137         164,         192         203         235         236           111,         122         121         119         126         131         137         164,         192         208         236         207           cell .ibstract, 1976.         121         137         164,         192         208         236         207           cell .ibstract, 1976. $1371$ 146, $127$ $311$ 1412 $317$ $1213$ $311$ $1412$ $311$ $127$ $3211$ $1274$ $1274$ artify Value         Quantify, Value         Quantify, Value         Quantify, Value $3111$ $1274$ $3211$ $1276$ $355$ $3112$ $355$ $3112$ $355$ $3112$ $355$ $3112$ $355$ $3112$ $355$ $3112$ $31271$ $3127$ $31271$		1963	1963 1962 1965 1965 1967	1965	1966	1967	1968	1969	1970	1971	1972	197.1	107 '	1075	1076	1001	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Wholesale Price Inder	66	101	100	110	121	711	115	123	136	129	171	195	200	275	11/1	
10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10	Retail Price Index in Damascus	102	108	10;	110	115	119	118	123	129	130	156	180	600	076	of B	
1 Area Republic, Statistical Abstract, 1978.         Table ( $(n-9)(a)$ ] Exports by Nature and Utilitation S.P.]         Table ( $(n-9)(a)$ ] Exports by Nature and Utilitation S.P.]         1971-77         (Quantity Value Quantity Value Apple in Million S.P.]         031 1971         Operation of Items 1971-77         Quantity Value Quantity Value Quantity Value Quantity Value Quantity         983 370 1 079 331 1 4.12 3.77 2 183 563 2 9.13 6.95 3 211 1 2.46 3.55         983 370 1 079 331 1 4.12 3.77 2 183 563 2 9.13 6.95 2 76 2 6.08 2 730 2 579         424 773 1 361 905 1 289 941 1 741 2 012 1 995 2 576 2 6.08 2 730 2 579         1 701 2 755 2 082 3 130 2 3.22 5 2.15 .571 5 .02 6 173 6 2 32 7 6.95 8 170 10.2         1974         Table ( $(a-9)$ (3) by Utilization         Table ( $(a-9)$ (3) by Utilization         1974       1973       19715         293 362 2 86 4.91 335 1 1701 2 7.57 2 617 3 6 275 2 6.07 2 7.59 2 6.7 7 5.01 2 5.02 2 173 6 2.7 5.97 2 6.7 7 5.01 2 5.02 2 173 6 2.7 5.97 2 6.7 7 5.97 2 6.7 7 5.97 2 6.7 7 5.97 2 6.7 7 5.97 2 6.7 7 5.97 2 6.7 7 5.97 2 6.7 7 5.97 2 6.7 7 5.97 2 6.7 7 5.97 2 6.7 7 5.9 2 6.7 7 5.9 2 6.7 7 5.9 2 6.7 7 5.9 2 7.5 7 7 5.0 2 5.0 2 6.1 7.9 2 6.0 2 3.7 6.9 2 7.59 2 7.59 2 7.59 2 7.5 7 7.51 2 5.0 2 2 0.0 2 10.7 2 5.92 2 1.7 2 0 2 3.1 2 0.7 2 5.7 7 5.0 2 5.0 1 2.9 2 7.5 1 7 7 0 2 5.9 2 7.5 7 7 5.0 2 5.0	Retail Price Inder in Aleppo	IQ	110	106	лı	122	121	119	126	131	137	16,	192	) 80	236 236	207	
Table ( $u$ -9)(a) Imports by Nature and UtilMition S.P.)         (Quantity in thousand tons, Value ( $1005$ , P, Value ( $1005$ , P, Value ( $1005$ , Value ( $1007$ , Value ( $1007$ , Value ( $1005$ , Value	ł	rab Repu	tblic, <u>St</u>	atistic	al Abst	ract, ]											
		Table (	(a)(q-1		te by Na tity in	ture ar thousar	d Util≱ d tons.	tion o Value	f Items in Milli	1971-77 on S.P.	~						
983         370         1 $079$ 331 $1 < 412$ $371$ $2 < 163$ 583 $5 < 3 < 373$ $1 < 246$ $3 < 55$ 426 $778$ $295$ $846$ $429$ $1 024$ $1 = 246$ $3 < 719$ $1 < 345$ $3 > 228$ $1 701$ $2 755$ $2 802$ $3 130$ $2 322$ $1 = 361$ $5 < 022$ $4 33$ $3 719$ $1 < 345$ Table $(-9)$ $(3)$ $yr$ utilization $2 730$ $2 373$ $2 5 472$ $7 602$ $6 173$ $6 252$ $7 695$ $8 176$ $1 2 T L$ Table $(-9)$ $(3)$ $yr$ utilization $1 = 7 T$ $1 = 2 T A$ Table $(-9)$ $(3)$ $yr$ utilization $1 = 2 T A$ Table $(-9)$ $(-9)$ $(-9)$ $(-9)$ $(-9)$ $(-$	Items	l Quanti		o Ta	197 ntity V	2 alue ç	197 Duantity	3 Valı	Quanti	ty Valu		L L	Value	197 Quantity	9	197 Quantit	7 V Value
Table (4-9) (5) by Utilization197119741976197519761977- 1971- 1972197619761977Cuantity ValueQuantity ValueQuantity ValueQuantity Value19761976197729336228649136759448511583351073446135945512033179105223981127267711984.65625384.8803.3105.5993.7457.43155287714.6585010487518717702072.5312.3333 5281 7012.7552.0823.1302.3425.2454.5715.4026.1756.5227.6958.17810	Raw materials Finished Products Semi-finished products TOTAL				N	331 846 905 082	<b>I</b>			- N -	8 <u>1</u> 5				1 246 3 719 2 730 7 695	3 655 1 2:0 2 679 8 178	
1971 $1972$ $1972$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $1976$ $293$ $476$ $1359$ $457$ $1$ $100$ $1052$ $2398$ $1127$ $2671$ $1198$ $4656$ $2538$ $4800$ $3310$ $5599$ $3745$ $7.431$ $5$ $56$ $287$ $71$ $466$ $86$ $550$ $104$ $875$ $187$ $1790$ $279$ $273$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ </td <td></td> <td>Table (</td> <td>(c) (6-4)</td> <td>) by Ut</td> <td>ilizati</td> <td>ц.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td></td>		Table (	(c) (6-4)	) by Ut	ilizati	ц.										2	
293       362       286       491       367       594       485       1       158       335       1       073       446       1       359       454       1         1013       1052       2       398       1       127       2       677       1       198       4       656       2       538       4       880       3       310       5       599       3       7       31       5         56       287       71       464       86       550       104       875       187       1       790       207       2       591       2/3       3       3       559       2/3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3	Categories	Cuantí t	-		• 7		19					N	1	197	0	197	
	Final consumption Informediate consumption Fixed assets (capital) TOTAL	293 1 3 179 56 3 528	4 1			4 1	367 367 86 85 130	va.tue 594 1 198 550 2 342		. 1				uantity 4:6 599 207 252	Value 1 359 3 745 2 591 7 695	Quantity 454 7 -481 243 8 178	

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The fabricated metal products division ranked fifth regarding employment. It employed 5.8 per cent of the total in 1977, as against 2.1 per cent in 1966. The electrical and non-electrical machinery provided equally the bulk of the employment in this division.

### Private sector manufacturing industry

We now turn to examine manufacturing in the private sector, in term, of MVA and employment. These are summarized in tables V.24-V.26 and V.17.

MVA in the private sector manufacturing industry amounted to SL 677.6 million in 1977. The relative contribution of the major two industrial divisions to the total MVA in the sector amounts almost to the same as that of the public sector. The textile, wearing apparel and leather and the food and beverages industrial divisions contributed 56 per cent of the total MVA in 1977. Again, just like in the public sector, the relative importance of these two industrial divisions has contracted their share in the total MVA; from 78.1 per cent in 1966, to 56 per cent in 1977. The share of food product industry, especially has dropped from 41.2 per cent to 21.5 per cent.

Two other industrial divisions are of major importance in the private sector. These are: the fabricated metals (18.7 per cent) and the wood and furniture division (10.1 per cent). They have a higher share than their corresponding divisions in the public sector. The largest industries in those divisions are the metal products and furniture and fixture which contributed 14.9 and 9.0 per cent respectively. Both of these divisions have expanded their share of output from the 1966 level.

The fifth largest industrial division is the chemicals which accounted for 5.6 per cent of total MVA in 1977, an increase from 3.1 per cent in 1966.

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### APPENDIX "B"

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# Names and Location of the Public Sector Industrial Companies Classified According to the General Organization they Belong to.

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	peny Name eral Organization of Food Industries	Location	ISIC Code
1.	The Syrian Industrial Company of Vegetable Oils	Aleppo	3115
2.	The Arab Manufacturing Company of Oil and Soap	Damascus	3115
3.	Hama Oils Co.	Hama	3115
4.	Lattakia Oils Co.	Iattakia	3115
5.	Homs Dairy Products Co.	Homs	3112
6.	The Syrian Arab Co. of Dairy Products	Damascus	3112
7.	The Syrian Arab Co. of Grapes Processing	Suwaida	<b>31</b> 3
8.	Homs Grapes Processing Co.	Homs	313
9.	Al Shafa Food Products Co.	Aleppo	313
10.	Damascus Food Products Co.	Damescus	3119
11.	The Syrian Arab Co. for Bisouits and Chocolate Hanfg.	Damascus	3119
12.	Onion and egetables Drying Plant	Salamieh	3113
13.	The Syrian Arab Co. for Marketing and Mfg. Peanuts	Tartous	3113
14.	The Modern Canning and Agricultural Industries Co.	Damascus	3113
15.	The Syrian Coast Canning Co.	Jableh	3113
16.	Baradah Beer Manufacturing Co.	Damascus	313
17.	Yarmouk Spaghetti Co.	Daraa	3117
18.	The Syrian Canning Co.	Daraa	3113

Com	pany Nane		ISIC
Gen	eral Organization of Sugar Industries	Location	Cude
1.	Homs Sugar Co.	Homa	3118
2.	Adra Sugar Co.	Damascus	3118
3.	Al Ghab Sugar Co.	Edleb	3118
4.	Tel Selheb Sugar Co.	Hama.	3118
5.	Al Rakka Sugar Co.	Al Raka	3118
6.	Deir-el-Zor Sugar Co.	Deir el Zor	3118
7.	Al Thawra Sugar Co.	Maskana	3118
Gen	eral Organization of Textile Industries		
1.	The United Trading Industrial Co.	Damascus	321
2.	The Modern Industries Co.	Demascus	321
3.	The United Arab Industrial Co.	Damascus	321
4.	The Syrian Yarn and Textile Co.	Aleppo	321
5.	Spinning and Veaving Co.	Damascus	321
6.	Al Ahlieh Yarn and Textile Co.	Aleppo	321
7.	Al Shabba Spinning and Veaving Co.	Aleppo	321
8.	Homs Yarn and Textile Co.	Home	321
9.	Aleppo Silk Textiles Co.	Aleppo	321
10.	Hama Cotton Yarn Co.	Hama	321
11.	Nylon Fibers and Socks Industrial Co.	Damascus	3213
12.	Al Shark Underwear Co.	Damascus	322
13.	The Arab Underwear Co.	Aleppo	322
14.	The General Co. for Rugs Manufacturing	Damascus	3214
15.	The Industrial Co. for Men's Mearing Apparel	Aleppo	322
16.	Zancubia Co. for Momen's Wearing Apparel	Aleppo	322
17.	Jableh Yarn Co.	Jableh	321

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		ISIC
Name of Company	Location	CODE
18. The General Company for Vocl	Hama	321
19. Al Malid Yarn Co.	Homs	321
20. Euphrate Yarn Co.	Deir el Zor	321
21. The Syrian Underwear Co.	Damasous	322
General Organization of Chemical Industries	Domascus	362
1. The Syrian Industrial Co. for Glass and China	Demascus	323
2. The Arab Tanning Co.	Damascus	3522
3. The Arab Medical Co. (Tameco)		• •
4. The General Co. for Fertilizers	Home	3512 7507
5. The Arab Co. for Soap and Chemical Cleaners (Sar)	Demasous	3523
6. The Paints and Chemical Industries Co.	Damascus	3521
7. The General Co. for Plastic Products	Aleppo	356
8. Al Ahlieh Co. for Rubber Products	Damascus	355
9. The Arab Co. for Rubber, Plastic and Leather Products	Aleppo	355 <b>-356</b>
10. The General Shoes Co.	Damascus	324
11. The General Co. for Glass Industry	Aleppo	362
12. The General Co. for Chemical Cleaners Industry	Adra	3523
13. The Electric Lemps Co.	Aleppo	3839
General Organization of Cement Industries		
1. National Cement and Construction Materials Co.	Damascus	369
2. Syrian Cement Co.	Hamra	369
3. Al Shbaa' Cement and Construction Materials Co.	Aleppo	369
4. Adra Cement Co.	Demescus	369
5. Tartous Cement and Construction Materials Co.	Tartous	369
6. General Cement and Construction Materials Co.	Aleppo	369
7. Al Rastan Cement and Construction Materials Co.	Al Rastan	369
8. Arab Co. for the Manufacture of Poreelain and Sanitary Equipment	Hama	369
9. Aleppo Co. for Manufacture of Asbestos Cement Products	Aleppo	369

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### APPENDIX C

### MANUFACTURING STATISTICS

### The data

From the outset, the preparation of this study was faced with non-availability of consistent time series for manufacturing variables at the desired level of disaggregation (3 digit ISIC) and covering the period 1963-1977. For the period 1963-1969 only, CBS have manufacturing time-series for the required variables classified according to the 2-digit old ISIC. These data cover both the private and public sectors. For the purpose of this study comparable manufacturing time series at the 3-digit new ISIC level, were prepared for the public and private sector covering the period 1970-1977. The existing 963-1969 manufacturing series were reconciled with the latter to obtain a roughly comparable time series covering the period under study. The CBS have cooperated with the consultant (July-October 1978) in making available basic data and extending valuable assistance. The consultant, however, is solely responsible for the derived time series and their results.

The time series constructed were for six variables that include value of gross output, gross value added, net value added, capital investment, employment and payroll. For each of these variables three sets of time series were constructed: one for the public sector, a second for the private sector and the third for overall manufacturing. These series are presented in the tables attached to this appendix. The following describes briefly the methodology followed in deriving the data used in this study.

The first step was to build the time series for the public sector for the period 1970-77. This involved an examination of all the public sector industrial companies statistical files for the purpose of coding them according to the 4 and 3-digit new ISIC. The multi-product line establishments were classified using the "dominance principle". Thus, an establishment would be classified according to the product which has the dominant (largest) share in the value of total output. The data for each company was collected then from the CBS annual industrial survey return sheets for the required variables and aggregated for all companies in each 4 and 3-digit ISIC.

Sameon-Hone	<u>Location</u>	ISIC Code
General Organization of Engineering Industries		
1. General Co. for Iron and Steel Products	Hama	371
2. Syrian Arab Co. for Electronic Industries	Danascus	3832
3. Arab Co. for Manufacture of Wood	Lattakia	331
4. General Co. for Manufacture of Electrical Engines	Lattakia	3831
5. Syrian Batteries and Liquified Gases Co.	Aleppo	38 <b>39</b>
6. General Co. for Metal Industries (Barada)	Damascus	3829
7. Metal Structures and Mechanical Industries Co.	Damageus	381
8. Converting Industries Co. (Hi-Tex)	Damascus	341
9. United Arab Co. for Matches, Plywood, and Pencils	Damascus	3529
10. Tractors Engines and Mechanical Products Co.	Aleppo	3829
11. General Co. for Cables Manufacturing	Damasous	

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The data collected for the public sector industry for the period 1970-1977 were considerably more extensive than what is presented in this appendix. More specifically, they include production data both in value and in quantity for all the major products in the 4 and 3-digit ISIC. In addition to data on local sales and export sales. To compute gross value added, they included also data on the value of production requirements, namely raw materials, supplementary materials, packaging, electricity and water, fuel and other inputs and depreciation data to compute net value added. Employment data are available for the managerial and production staff. The latter is broken down into workers, technicians, and engineers. Similarly, the capital investment data is broken down into expenditures on acquisition of land, construction, machinery and equipment, and others.

The second step in the data collection was to obtain data for the public and the private sectors for the period 1963-1969. As it turned out the CBS did have data for the required variables classified, however, according to the 2-digitold ISIC. This classification is very similar to the 3-digit-new ISIC for most of the industry groups. The few industry groups which contained more than one 3-digitnew ISIC class, had to be disaggregated into their relevant components. Using this data, a comparable time-series were constructed for the period 1963-1969.

The third step was to derive comparable time series for the private industry covering the period 1970-1977. The CBS had the data classified according to the 2-digit-new ISIC, which is at an insufficient level of disaggregation for the purpose of this study. Thus, the classification was converted to the 2-digit-old ISIC from which a 3-digit-new ISIC was extracted. By doing that a comparable series for the required variables in the private sector industry were constructed for the period 1970-1977.

It should be pointed out that the data for the private sector sample is based on surveys that are conducted annually by the CBS. In contrast, the public sector data is based on actual reports submitted annually by all industrial establishments to the CBS by wirtue of the law.

Negative value added in the public sector have been computed for food products (1971-1977) and petroleum refining  $(1976-1977)^{1/2}$ . These are known to be

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^{1/} Other sectors, beverages, paper products and wood and cork products showed some negative numbers in isolated years. No adjustments were made for these sectors.

heavily subsidized industries. No data have been made available on the amount of subsidies these industries get and consequently it was not possible to adjust the negative value added directly to take into account subsidized prices. A rough adjustment of the negative value added in the two sectors was made using a proxy for actual subsidy. Notwithstanding the pitfalls of this approach arising from the fact that the prices of a number of other commodities or for that matter the price structure in general do not necessarily reflect true real values or general equilibrium prices. This partial approach is considered as the most practicable in order not to lose the real economic interpretation of value added and be able to carry more meaningful economic analysis in this study.

A number of methods have been tried in an attempt to adjust for the negative value added. Historical ratio of input to gross output for the two series was used as the most reasonable among the alternative methods of adjustment. For food products two years average (1967-1968) was found to be reasonably acceptable. These ratios were roughly close to comparable data for food products in Iraq. In oil refining where data for six years (1963-1969) were used, inputs were regressed against gross output to establish statistical relationship and these were used to extrapolate for the rest of the period.

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31 FOO	FOOD, BEVERAGES AND TOBACCO	7.8	-13.0	11.6	3.5	-4.6	9.2	2.1	
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313 Bevel	Beverages	-19.5	12.3	2.0	16.1	-2.6	6.4	1.6	
314 Tobacco		1	1	1	1	•	1	•	
32 TEX	TEXTILE. WEARING APPAREL AND LEATHER	-16.8	-4.3	9.6	14.8	-9.9	11.1	1.0	
321			-7.7	6.0	14.8	-13.0	8.5	-2.8	
	Wearing apparel	13.0	9.3	19.3	14.9	10.9	18.0		
	Leather products	5	•	10.9	÷	4.3	11.9	8.0	
-	Footwear	15.7	5.3	\$	15.4	9.6	16.2	12.9	
33 WOC	WOOD AND WOOD PRODUCTS	-20.9	14.4	8.8	22.3	-3.1	12.5	4.4	
331	Wood and cork	-2.1	-4.5	9.6	¥.2	-3.5	16.3	6.0	•
	fixtures	-25-1		8.7	21.0	-3.1	12.1	4.2	
34 PAP	PAPER. PAPER PRODUCTS, PRINTING & PUBLISHING	1.05	15.3	5.5	14.0	17.4	8,0	12.6	
341	Paper and Paper products	0.0	15.8	2.1		8 <b>.</b> 8	4.2	6.5	
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35 CHE	CHEMICAL, PETROLEUM, RUBBER & PLASTIC PRODS.	6.6	-3.9	33.3	-1.8	0.5	22.2	10.8	
351/2	Chemical products	23.8	-8.8	34.0	-3.0	4.0	22.2	12.7	
353 Petro	Petroleum refinery	•	•	1	1	1	•	•	
354 Misc.	Misc. products of petroleum & coal	•	•	1	•	•	1.	1	
	Rubber products, n.e.c.	-28.5	2.5	8.5	-1.6	•	5.71	0. ?	
356 Plast		44.2	35.1	47.4	3.5	6 <b>.</b> 8	2.22	<b>34.</b> 0	
36 NON	NON-METALLIC MINERAL PRODUCTS	-34.5	8.9	7.3	6.0	-12.4	6.9	-3.2	
361 Potte	Pottery, china, earthenware	1	• •	•	•	1	1	1	
362 Glass	Glass and glass products	-33.3	-1.1	-4.8	-11.8	-16.5	-6.8	-11.8	
369 Othe	Other non-metallic mineral products	-34.9	11.2	8.9	7.4	-11.6	8.4	- 2.0	
37 BAS	BASIC METAL INDUSTRIES	5.7	26.7	7.5	1.6	17.2	5.8	11.4	
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AVERAGE ANWUAL RATES OF GROWTH OF GROSS VALUE ADDED IN THE PRIVATE SECTOR INDUSTRY, SELECTED PERIODS 1963-1977 AT CONSTANT PRICES 1970=100 (PERCENTAGE) Table No. V.24 Syria,

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Source Calculations are based on table C-11 Appendix C.

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<b>a</b> :	Lesther and products	1-11	٤-21	21.5	9.71	<u></u> •2		10.11	17.0	•	2.1.0	5	کنۍز	•		
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<b>.</b> .	Manufacture of wood products including formulture	62 <b>.</b> 6	56.6	51.4	··-L.	58.5	0°ū;	6.66	96.0	, K	с. ж С	:101	106.2	(• <b>ਮ</b> 1		143.
ī	the A cart models cannot free the	7.7	1.7			3-11	4 41	1 21	0 5	6 51	3 24		, , C		, ,	. ?
315	Purniture and firtures	54.9	48. 5	<b>44</b> -3	<b></b>	2 <b>2</b>		9-11	71.0	1.84	18.9	• • • • ?	•	•••	103.9	120.0
×	Naunizature of pages and pages products.	15.9	7.5	10.5	13.8	:5.6	15.9	tt	0-0	21-8	जन्द जन्द	9.92 28.0	0-62		41-3	:
ş																
i X	Fristing and publicating		6.0 6.9	6.6	10.8	12.5 12.5	o 1 0	5.11	) 15 <b>.0</b>	15 <b>-8</b>	د 17.9	6-3 18-3	6-6 1-61	i c	1 C. 2	• •
\$	Henefasture of chemicals and chemical, petroloum, coul, robber and plastic	<b>3</b> 8• )	108.7	1-711	125.7	126.5	135-1	172.3	0*5€.	264.6	<b>30</b> 2-6	:35.7		345°	73.7	433.2
151	Industrial chemicals	1	,	,	,			,			6.61	6.4	lu.ª	1.F	3:32	12.5
ž	Other chestoni protecta	21.6	22.8	1.0	32.5	32.1	7.90	47	0.0	10	63.7	5-35	J. J.	<b>.</b>	5.011	<b>3.</b> 5
55	Potrolous refizzries	68.2	78-0	<b>8</b> .2	78.6	6.36	33.3	110.6	C-071	<b>∂*</b> 6ú1	191.2		.¥.	آن- ۱	3 <b>%</b> 5	, júc
X I	Rissellances cell, principal products	1 0	, ,	1 :	1	, ,	, <u>,</u>	• ب	• ;	• ;	•	, ,		•	. 9	. :
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ż.	Meanfacture of non-multic minemal products success of particleum and conj	<b>19.</b> 3	0 <b>-9</b> 4	74.9	73-0	т.5	۱. بر	6°.36	0.701	6•N	107.4	100.0	114.3	7.0°2		130.5
ł																
<b>1</b>	Pottery, chine ote.	• ;	• •	• 3	•	•	•	1	•	·	1	ı	ı	ı	1	ı
ñ 9	utes and promote to the second products	1 5 7 5	13.1 62-9	6•4]	9 9 2	5-92 5-4	1 - F	0°62 5'10	13.0 35.0	15•2 31-7	80.9 90.9	15.J	2 X	. 8		
37.	Bauto metal industries	10.9	ц.,	13.9	15.1	16.1	1.1	6-01	0.0	0.0	8.91	0.92	9.61	57.0		57
371	ires and steel		1	•	ı	,	• •		•	•	15.0		13.9	1.5	Ģ	¢
372	Non-ferrows metals	1 <b>0.</b> 9	Г. <del>Н</del>	13.9	13.2	۱۰۰۱	1.	6+61	20.05	0*00	24.8	15.7	19-9	ი.ღ.	с - <b>ж</b>	2.*\$.
Ŕ	Mesufacture of fabricated metal products memufacturing and equipment	0 <b>*6</b> 0	8°-8	0°96	ICI	ل•ن_		131-5	0.061	er er	148.ú	120-5	à	د. بلا	· .00	사 가
190	Notal products, encopt machinery & equipment	11.3	62=5	C.4		1.96	50.7	74.2	74.0	79.1	3 <b>.</b> 5	103.5	1:0	15	13 <b>5</b>	į
କୁ	Henry lectrical machinery	6-9	6.9		5 <b>•6</b> 9	6-40	19.6	1.76	<b>y6.0</b>	ы К	41.9	51.2	71	105.3	2 <b>1</b> ].c	•
<u> </u>	Mischerham marthready	1.11	1.61	•	1-2	7.17	13.9	2 <b>0-</b> 2	0.1	31.7	ŕ	42.0	84.4	7- F	31.5	
Į £	Professional, solatific guess ste.		• •				<b>1</b> I	• •			, ,	, ,	• •	1 1	, ,	, <b>,</b>
96. 6.	Other menufacturing industries	3.8	4:2	Î ÷	4.5	4.9	с. •2	5.1	0.	0.0	6-5	5•9	L.,	71	3.1	9-5
	American total	1 731-4	1 705-7	1 890.6	1 11.5	1 819.6	1 <b>64</b> 0-9	2 161.5	2 285.0	2 401.0	1	1.12	1 021.6	1 204.7	1.00	, 900 -

**dengras** Galewistices are based as table G-1 appendix ( .... - _________________

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л.	Pool, bruriges and columns	520.0	o 556.6	S. HO	1.125	278.8	ц.Ш	290.6	338.0	36.1	y85.0	431.5	467.9	565.7	9 <b>.0</b> 9	5.11.6
111/	311/2 Pood menfacturing			l												
	burras	2.4.1		1.00X	1.4.0		262.)	274.7	320.0	9.0((	365.0	408.2	442.3	541.7	9.649	578-4
ž	Telesco	1	•				0. 19	<b>,</b> 1	0-01	-91 -	8	2 <b>3.</b> 5	25.6	9. ¥	37.0	1-X
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.સ	Tertile, weering apperel and leather industries	_		C-14-3	193.3	187.7	174-9	8-(81	214.0	1.1%	354.4	331.4	319.2	454	586.8	592-9
ลี	Terrii Jee	620.2			345.6	130.4	120-7	126.)	140.0	571.1	244.9	228.1	219-6	ŝ	0.04	Į
ã j	Hearling appared assays features	1.9			28.6	<b>36.0</b>	1.66	35-9	50.0	62.8	68.1	63.8	6.10	į v		
Q 3	Leadury and products Partment	1.11	[·2]	21-5	9.5	10.7	10.3	6-11	12.0	19.3	21.1	20.1	1-61	8	35.3	1.55
					<u>.</u>	10-7	( •01	10.3	12.0	18.5	ç. 8	19-4	18.4	25.7	8.66	
ä	fundations of used products included furnitions	17.9	÷.	51.4	101	53-7	63.3	0.18	79.0	51.4	36.7	1.2	<b>8</b> -3	106.5	116.3	2.44
Ä	that all out prices and freights	92		:	:	;	:									
ar		7-52	44.6	1		47-0		a . E	71.0	8.8 78.6	9-8 78-9	10-3 8-4	8-88 8-88	н. 9-2	12.4 103.9	14.2
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ĩ.	New AL PARTY	1-9		1.2	1.0	1.1	2.1	6.1	2.0	0,1	1.0	0			:	
\$	Printing and publicating	7	<b>6.6</b>	<b>6</b> •3	10.8	6.51	10.6	11-5	15.0	15.8	11.9	18.2	19.0	23.8	53.6	r 7
ž	Remforture of chandrairs and about all, potosizer, coal, rabber and plants	1-16	¥6.7	I'E	ц.)	25.0	24.0	31.9	0.97	ŝ	57.1	1.1	3	i i	8	, , , , , , , , , , , , , , , , , , ,
150	intertial chemicals	.	.	.		.	.									
<u>2</u>	Other charles ] products	21.6	22.8	20.1	0 <b>-</b> 62	22.1	0.0	7.1	0.16	۲ <b>.</b> ۲	41.9	• 11	- <b>-</b>	· 5	- - -	' ;
<u> </u>	Petroleum refilmeries	•	•	•	•	•	,	•	•	. 1	•	•			į.	
1				' 2	. ?		1	• ]	•	·	•	·	•	•		•
ž	Plantic großwete 8.8.c.	0.0	6-0	6-0	•	1.0	5-5 	2.1 2.1	• • • •	11	7.6	6.4 4.0	1.9	10.3	13-5 16-5	10.2
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i,	sample of pursiant and said	19.3	0-92	75.0	6.2	25.1	21.0	3 <b>.</b> 5	0.56	£-6	8.64	41.2	1.66	48.2	£• <b>5</b> 11	¥.1
	Pottary, chine sto.	ı	•	·	·	ı	•	• .	1					.		
ĩ	uides and products Other scorestallic misseral products	4 9 7 7	15.1 62.9	6.9 ( <del>1</del>	4.3 18.6	3.6 1	<u>.</u>	4.2	<b>9.9</b>	4.0	1.4	4.2	3-6	1	1.0	<b>6-2</b>
								ĉ	28.0	5.3	39.7	37-0	35.5	<b>1</b> -8	106.3	49.2
	Medic motal industries	11.0	F.M.	13.9	16.2	16.0	15.6	19.9	20.0	20.05	34.B	55-8	1 <b>9-9</b>	6.62	6.11	35-4
	Irem and other	·	١	1	1			,	.	.	,	.				
26	la farme mulu	11.0	14.3	13.9	16.2	16.0	15.6	19.9	20.05	20.0	24.6	55.8	19.9	6-62	<b>N.9</b>	1.5
 si	Memufacture of fireignated metal products, mathiancy and or igneent	91.3	æ.5	<b>%</b> .o	٤،٤٤	6.12	<b>V</b> -69	4:66	c•69	9. <b>K</b>	104.3	0.66	1.1à1	187.6	201.5	235.7
-	Metal products, except machinery and equipment	11.3	62.5	0.3 <b>4</b>	¥0.2	5.5 X	53.2	8 8	69.0	7 1.5	5.8	76.0	2.20			
	Bom-electrical machimery	8.9	6-9	6.0	с. Ж	0.61	10-4	12.4	13.0	13-8	8.1	9. <b>X</b>	23.7	, r •	5.0	
2 2 2	Mactrical machinery	1.11	23.1	<b>11</b> .0	8.9	£-:	5.8	6.7	1.0	1.3	0.6	8.4	13.4	15.3	16.1	18.6
	Professional, acisatific goods stc.			• •	•••	• •		• •	•	•	•	ı	1	,	1	
										•	,	,		•		•
(3%)	39.(390) Other metufacturing industries	8. 6	4.2	٠.۶	ç.	4.9	6•1	5.1	5.0	6-0	6.0	•••	<b>*</b>	7.7	<b>3.</b> 1	9.5
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-         90.6         90.4         90.1         69.1         69.1         69.1         69.1         69.1         69.1         69.1         69.1         99.4         91.7         99.4         61.1         91.7         99.4         61.1         91.7         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.2         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91.1         91		, yes	1.41	1-691	6.64	155.2	151.5	1:591	152.0	151.8	1.1 <b>1</b>		231.7	<b>3</b> 42-0	9	ŝ
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1)     76.0     64.2     99.1     101.3     101.3     101.3     101.3     131.3     64.4       1)     76.0     64.2     99.1     100.4     86.0     13.2     219.3     144.4       1)     76.0     64.2     91.3     110.6     11.1     110.6     13.2     219.1     144.4       1)     76.0     91.3     110.6     71.3     9.6     14.0     37.7     4.0     37.7       2     1.4     2.0     7.3     9.6     14.1     71.0     9.7     4.0     37.7     4.0       2     1.4     2.0     7.3     9.6     14.1     71.0     9.7     4.0     37.7     4.0       2     1.4     2.0     7.1     6.7     7.0     9.7     4.0     3.7     9.5       2     1.4     1.7     1.7     1.4     1.7     1.4     1.9     9.5       2     1.4     1.7     9.1     1.1     1.1     1.1     9.1     9.1       2     9.1     1.4     1.1     9.1     1.1     9.1     9.1     9.1       2     9.1     9.1     1.1     9.1     1.1     1.1     1.1       2     1.1		I	•	'	•	, ,	•	1	'	•	•	•	·	·		·
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Printer, Pathog	•														1.122
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			78.0	<b>24</b> .2	8.7	101.3	E-101	140-4	206.0	2.2	<b>8</b> 5-5	239-0			K	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Persisten, Casi, Raine and Park		•													
9.4     10.4     6.7     17.0     16.0     13.2     21.9     14.4       1     76.0     61.3     11.6     61.3     11.6     11.3     21.9     26       2.6     1.4     2.0     1.3     9.6     16.0     9.5     44.1     10.6       2.6     1.4     2.0     1.3     9.6     16.0     9.7     4.8     1.9       2.6     1.4     2.0     3.7     4.0     3.7     4.8     1.9       2.6     1.4     2.0     3.7     4.0     3.7     4.8     1.9       2.6     1.4     2.0     3.7     4.0     3.7     4.8     1.9       2.6     1.4     2.0     3.7     4.0     3.7     4.9     9.3       2.6     1.4     3.1.6     1.1.7     44.0     11.2     1.9     9.3       2.7     3.1     4.1     3.7     3.7     4.9     9.3       2.8     3.9.3     34.0     5.1     4.0     4.1     9.7       2.9     3.7     30.0     9.3     4.9     4.1     9.7       2.9     1.1.8     20.9     9.1     9.0     4.1     9.7       2.9     1.9     5.0     4.6 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>   </td> <td> .</td> <td>  .</td> <td>•</td> <td><b>6.</b>61</td> <td>Ţ</td> <td>16.8</td> <td>21.3</td> <td>22.9</td> <td>12.8</td>								.	.	•	<b>6.</b> 61	Ţ	16.8	21.3	22.9	12.8
1     10.0     0.1     10.6     110.6     110.6     110.0     191.2     200.1       2.6     1.4     2.0     1.3     9.6     6.0     9.7     4.0     9.5     4.1       2.6     1.4     2.0     1.3     9.6     1.4     7.1     6.1     1.6       2.6     1.4     2.0     1.3     9.6     1.4     7.1     6.1     3.5       2.6     1.4     1.5     67.4     7.1     7.1     6.1     3.5       2.6     9.1     1.7     1.1     1.1     1.1     1.1       2.1     9.1     1.7     1.1     1.1     1.1       2.1     9.1     1.1     1.1     1.1     1.1       2.1     9.1     1.1     1.1     1.1     1.1       2.1     9.1     1.1     1.1     1.1     9.1       2.1     9.1     1.1     1.1     1.1     1.1       2.1     1.1     1.1     1.1     1.1     1.1       2.1     1.1     2.1     9.1     1.1     9.1       2.1     1.1     2.1     9.0     9.1     1.1       2.1     1.1     1.1     1.1     1.1     1.1	I Interaction Constraints	•	1	•				0.11	0.dr	13.2	21.9	191	33.0	5 <b>9</b> 2	13-2	
1     70.0     10.1     10.6       2.6     1.4     2.0     3.7     4.0     3.7     4.0     3.5       2.6     1.4     2.0     3.6     1.4     2.0     3.7     4.0     3.5       2.6     1.4     2.0     3.7     4.0     3.7     4.0     3.5       2.6     1.4     2.0     1.1     67.4     71.0     77.7     63.6     62.1       3.1     4.0     3.7     4.0     3.7     4.0     3.7     4.0     3.5       3.6     4.1     4.1     4.1     4.1     4.1     3.7       3.6     3.5     7.9     5.0     4.1     3.7       4.1     3.1.     2.1     2.0     2.1     2.0       3.6     3.5     7.9     5.0     4.1     3.7       3.6     4.1     3.1     3.1     3.1     3.1       3.7     4.1     3.1     3.1     3.1     3.1       3.7     3.9     5.0     2.1     3.1     3.1       3.7     3.1     3.1     3.1     3.1     3.1       3.7     3.9     5.0     2.1     3.1     3.1       3.7     3.1     3.1     3.1	2 Other Chemical Products	•	•				1	110.6	170.0	19 <b>46.</b> 8	191-2	200-1	196.0	192-5	0-64	Ê
6.2     5.0     7.3     9.6     M-0     9.7     4.0     3.7     4.6       2.6     1.4     71.6     13.7     4.0     3.7     4.6     5.1       2.6     1.4     17.6     13.7     4.0     37.7     6.1     3.6       4.1     14.1     17.6     13.7     4.0     37.7     6.1     5.9       4.1     14.1     17.6     13.7     4.0     13.7     4.1     9.1       5.0     9.1     9.1     9.1     9.1     9.1     9.1       5.0     9.1     9.1     9.1     9.1     9.1     9.1       5.0     9.1     9.1     9.1     9.0     9.1     9.1       5.0     4.1     9.0     4.1     9.1     9.1       5.0     4.1     9.0     4.1     9.1     9.1       5.0     4.1     9.0     4.1     9.7     9.1       5.0     1.1     9.0     9.1     9.1     1.1       5.0     1.1     9.0     2.1     2.1     1.1       5.1     1.1     9.0     2.1     2.1     1.1       5.1     1.1     9.0     2.1     2.1     1.1       5.1     5.0 <td>Present Adverte</td> <td>3</td> <td>n-192</td> <td>ř.</td> <td><u>-</u></td> <td>•</td> <td></td> <td></td> <td>, 1</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td>	Present Adverte	3	n-192	ř.	<u>-</u>	•			, 1	•	•	•	•	•	•	•
0.3     5.0     7.3     9.6     1.4     2.0     3.7     4.0     3.5     4.0       2.6     1.4     2.0     3.2     4.0     3.7     4.0     3.5       4.1     1.1     1.1     1.1     9.1     5.1     6.1     1.5       4.1     1.1     1.1     1.1     9.1     2.0     9.1     9.1       5.0     3.1     1.1     1.1     9.1     1.1     9.1       5.0     9.1     9.1     9.1     9.1     9.1       5.0     9.1     9.1     9.1     9.1     9.1       5.0     9.1     9.1     9.1     9.1     9.1       5.0     9.1     9.1     9.1     9.1     9.1       5.0     9.1     9.1     9.0     9.1     9.1       5.0     9.1     9.1     9.0     9.1     9.1       5.0     9.1     9.1     9.0     9.1     9.1       5.0     9.1     19.0     9.1     19.1       5.0     9.1     19.0     9.1     19.1       5.0     9.1     19.0     19.1     19.0       5.0     1.1     19.0     19.1     19.1       5.0     5.0	Mark Paralam, Casi Probus	•	•	•	∎ :	•	•							14.2	1.¥	12.6
2.6     1.4     2.0     3.2     4.0     3.7     6.1       -     -     90.1     31.6     71.6     6.1     71.0     57.7     6.1.6     62.1       -     -     -     -     -     -     -     -     -     -       -     -     -     -     1.5     1.5     1.5     1.5     62.1       -     -     -     -     -     -     -     1.9       -     -     -     -     -     -     1.9       -     -     -     -     -     -     -       -     -     -     -     -     -     -       -     -     -     -     -     -     -       -     -     -     -     -     -     -       -     -     -     -     -     -     -       -     -     -     -     -     -     -       -     -     -     -     -     -     -       -     -     -     -     -     -     -       -     -     -     -     -     -     -       -     -     -		ا مر ہ	•	•	<u>ج</u>	\$	2	9°6	2	2.2			5	6.4	R.	17
9.1     9.6     71.6     67.4     71.0     97.7     61.6     62.1       -     -     -     -     -     -     13.7     14.0     77.7     61.4     11.9       -     -     -     -     -     -     -     -     13.7       -     -     -     -     -     -     -     13.7     91.0     91.2     91.2       -     -     -     -     -     -     -     -     13.0     93.3       -     -     -     -     -     -     -     -     13.0     93.3       -     -     -     -     -     -     -     -     13.0       -     -     -     -     -     -     -     -     94.1       -     -     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -     -       -     -     -     -     -     -		•	•	•	1 2.6	3	5.0	2	•	7						
90.1     30.0     11.6     13.7     14.0     11.2     12.4     11.9       10     11.2     13.1     14.0     11.2     12.4     11.9       10     11.2     13.1     14.0     13.7     14.0     11.2     12.4       11     11.0     13.1     14.0     13.7     14.0     13.7     90.2       11     11.0     20.1     11.6     20.1     14.0     9.3       12     11.0     20.1     11.0     9.1     13.0       13     20.0     9.5     7.9     5.0     4.1       14.0     11.0     8.1     13.5     20.0     21.1       14.0     11.0     8.1     13.5     20.0     21.1     21.1	tention of Non-Marille Mercel						1	1.12	11.0	51.7	63.6	62.1	13.8	72.5	0.18	
44.1     17.6     13.7     14.0     11.2     12.4     11.9       51.1     51.1     51.1     51.1     51.2     51.2     50.2       51.1     51.1     51.1     51.1     51.2     50.2       51.1     51.1     51.1     51.2     51.2     50.2       51.1     51.1     51.1     51.2     51.2     50.2       51.1     51.1     50.0     49.5     44.3     66.7       51.1     51.0     51.0     51.0     44.3     66.7       51.1     51.0     51.0     51.0     51.0     51.1       51.1     51.0     51.0     51.0     51.1     51.1       51.1     51.0     51.0     51.0     51.1     51.1       51.1     51.0     51.0     51.0     51.1     51.1	Products, Canada Products of Persons	•	•	•		•••	1-1	f			•				-	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$																
W-1     W-3     W-3     W-6     13.7     W-0     11.2     12.4     11.9       N-0     N-1     N-0     N-1     N-0     N-1     N-0     N-1     N-0       N-1     N-1     N-0     N-1     N-0     N-1     N-0     N-1     N-0       N-1     N-1     N-1     N-1     N-1     N-1     N-1     N-1       N-1     N-1     N-1     N-1     N-1     N-1     N-1       N-1     N-1     N-1     N-1     N-1     N-1       N-1     N-1     N-1     N-1     N-1     N-1       N-1     N-1     N-1     N-1     N-1     N-1       N-1     N-1     N-1     N-1     N-1     N-1       N-1     N-1     N-1     N-1     N-1     N-1       N-1     N-1     N-1     N-1     N-1     N-1       N-1     N-1     N-1     N-1     N-1     N-1       N-1     N-1     N-1     N-1     N-1     N-1       N-1     N-1     N-1     N-1     N-1     N-1       N-1     N-1     N-1     N-1     N-1     N-1       N-1     N-1     N-1     N-1 <t< td=""><td></td><td></td><td></td><td>•</td><td>   </td><td>•</td><td>١</td><td>•</td><td>•</td><td>1</td><td>•</td><td>•</td><td>•</td><td>•</td><td>د ا</td><td>• •</td></t<>				•		•	١	•	•	1	•	•	•	•	د ا	• •
35.6     35.1     36.0     35.1     57.0     46.5     51.2     50.2       -     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -       -     -     -     -     -     -     -     -   <		<b>1</b>		•	I.	1.1	17-6	1-61	14-0	11.2	12.4	6.11	11-2	: 9 : 9 :		1 i 1 i 1 i
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2 Gene and Products	ı	•	• •		, ,	3		0.12	8°3	51.2	90.2	58.6	¥.1	73-2	8.0
46.1     30.9     46.1     50.0     49.6     41.3     56.7       40.1     31.6     2.9     3.5     7.9     5.0     4.6     4.1     3.7       5     3.6     7.9     5.0     4.6     4.1     3.7     5.0     4.6     4.1     3.7       6     7.9     3.5     7.9     5.0     4.6     4.1     3.7       6     7.9     3.5     7.9     5.0     4.6     4.1     3.7       7     15.9     9.1     13.5     80.0     23.9     13.1     11.0       7     1     13.5     80.0     23.9     3.9     11.0	Deter New Metallik: Minanal Products	'	•	•	5.0			1	.	•	0.21	<b>6.</b> 3	6.61	2-1	20.4	9 8
46.1     30.9     46.1     50.0     49.6     41.3     56.7       46.1     31.6     30.9     46.1     50.0     49.6     41.3     56.7       5.0     5.0     4.6     3.5     7.9     5.0     4.6     4.1     37.1       5.0     5.0     5.0     21.1     27.1     27.1     27.1     27.0       5.0     17.8     13.9     80.1     31.9     131.0	Buck Hand Industry	•	•	•	   						0.51		6.61	21.1	70	9.62 2
	11 Ince and Steel	ı	•	<b>ا</b>	•	ł	•	•		•	•		ı	•	•	•
40.1 31.6 20.9 46.1 50.0 49.6 44.3 46.7 46.7 47.7 49.6 44.3 46.7 47.7 47.7 47.7 47.7 47.7 47.7 47.7	D No form Much	•	•	•			•	·							1	ŝ
	Mandacture of Pointcound Motol Products.	•	•	•	48.1	9-16	20.9	<b>1:9</b>	0.0	49-6	<b>*</b> -7	<b>8</b> 6.1	6-661	, X		
1.6     2.9     3.5     7.9     5.0     4.6     4.1     1.7       1.1     2.1     2.1     2.1     2.1     2.1     2.1     2.0       1.1     1.1     0.1     1.1     0.1     1.1     2.0     2.1     2.1       1.1     1.1     0.1     1.1     0.1     1.1     2.0     2.1     2.1       1.1     1.1     0.1     1.1     2.0     2.1     2.1     1.1       1.1     1.1     0.1     1.1     2.0     2.1     2.1     1.1       1.1     1.1     0.1     1.1     2.0     2.1     2.1     1.1	Machinery and Reference											:	;	1.1	7.7	23-8
	i Manual Products, anongs manda	•	'	•	3.6	2-9	3.5	1-9	2°0	4.6	4-1	÷	÷	Ξ,		
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	R Nes-Electrical Medianary	ı	ľ	•	292.	7-51 -	1.5		200	23.9	1.61	31-0	1-12	69	4	8.8
	the Electrical Machinery	•	•	•	* - - -	;	1	;	1		•		•	•	•	•
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	A Protestant Scientific prode at	•	•	'	•	•	•	·   '	•	.			.		•	•
	200 Other Mandacharty Manufata		•   	•	•	,	•	,   					1.00	1 805.2	2 378.5	2 236.1
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<u> Suntry</u>: Calonistions are based en tables C-J appendix C and D-J appendix D 244-7

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Takenco	<b>-</b> 1	176-4		192.9	Ĩ	202.0	230.5	222.1	215.2	1.905	169-4	190.5	46.0	170.9	101.3
	51.6	116.8	4	(. Pu	9. M	93.8	100.5	2.5 X	65.3	63.0	3002	12.0	-175-7	-150.7	-123.0
		4		•••		8.8	9•3	10.5	10.3	0- <b>1</b> 1	15.2	11.5	18-7	9.2	2.0
	8	25.0	71-5	19.0	19.6	100.0	121.0	116.4	119.6	1.261	154.0	167.0	203.0	289.0	274.0
	175.5	6.761	2-165	229.5	243.8	253-7	1.17	286.2	0.00	2,45	с уу <b>н</b>				
231 Terrikas		2											4=TD0		
ALS Werty Append, most further	7.0	9.7	8-6 8-6	0.00	213.0	223-2 2	6-962	25.2	2 <b>64</b> .6	274.3	409-0	<del>3</del> 53.6	. 561⊷4	767.4	1 013.4
ALS London and Products						9°2	<b>1</b> 22	22.0	o. X	y6.1	41.8	67.1	81.6	6.01	Tin .
134 Fearmer	2.5	2.5	0.5 8	2.7	8.7	4.7	4.5	2.1	4.5	6.5	5.5	15.4	16.4	2 <b>5.</b> 6	24.5
Annufacture of Wand Preducts and		2			5.5			5.9	8.9	9.7	6.6	18.0	21.8	1.1	35.4
Pursues of	38.0	6.01	C 81	0 81	ې ۲	;	:								
B) Wed at Cat Party and				6-01	0.6	9.16	31.7	».«	33.4	37.1	3.4	¥.5	6.521	143-0	178.5
		- 2.9		4.6	3.4	4.9	<b>7</b>	5.1	5.8	6.3	3.1	0.6	15.9	1.91	9. <b>H</b>
				Ĩ	22.6	21.0	<u>.</u>	21.5	27.6	8.0	÷.	47.5	107.0	123.3	163.9
Printing and Publiching	6.2	3.5	3.6	5. 1	7.6	7.9	6.5	5 01				9			
										1.67		6-91	19.8	TR	37-4
	1.0		<b>4</b> -0	•	1.2	1.6	11	2.2	2.3	2.5	4.2	3.1	. o. j	3.2	3.6
Memdecture of Chemicals and Chemi	1		Ĭ		4	5.9	<b>2</b>	8.3	9.1	12.6	15.1	15.8	18.5	29.5	28.8
Petroleum, Cosl, Rubber and Plantic															
Products •		9.0K	¥-2	48.8	1.0	75.6	49-6	55-9	92.1	5 <b>.</b> 8	100.0	146.9	17.9	- 106.7	9 902-
11 Industrial Chemical		•	•	1	•		•		1	10.2	12	016	X		
C Other Chenucal Products		5.3	4.5	13.6	17.8	11.5	14.3	6.11	27.3	8.9	6-25	20.05		4.6	91.1
Principum Refinertos	20.0	22.6	23.5	26.0	• <b>X</b>	56.0	51.6	7.2	52.2	36.5	51.5	0.14	57.8	<b>4</b> 55.0	- <b>5</b>
A HERE PARTANEN, COM Products		•	•	•	•		•		•	•	1	•		•	
		2.8	5.9	6.0	. 6.£	و.،	5.1	9.1	6.2	10-5	1.01	12-9	н. 1	<b>२</b> -स्र	22.1
Manufacture of Non-Matulity Manual		0.2		1.2		1.8	2.6	2.8	6.4	6.8	6.4	10.0	12.3	12-4	18.0
Prefacts, Easing Products of Pagelane				a 1 <del>40</del>										77.	
1	2.9	31.5	20.7	27.0	37.1	43.3	45.9	51.1		5	f	2	8		
Pettery. china atc.		.		1	.					â			8	- 101	218-1
Gass and Products		7.1	• 6•9	6.7	. ~ <del>8</del>	9	, 1			1	•	•	•	•	1
Other Non-Metallic Mineral Products		24.4	23.8	6.0	. 6.92	<del>-</del> - <del>-</del> - <del>-</del> - <del>-</del> - <del>-</del> - <del>-</del> - <del>-</del> - <del>-</del> - <del>-</del> - <del>-</del> - <del>-</del> - <del>-</del> - <del>-</del> - <del>-</del>	35.6	1.1	10.2	10.1		8	16.4	8	18.8
Partic Mater Industries	1.6	1.9	1.8	2.9	6.1	8.7	1.1	1		5			5	8	
				•	.  .	.				11.2	23.2	0.5	4-62 8-62	2 F	
2 Non-Ferrens Metals	1.6	1.9	1.8	- 6 2	6.1	8.7	7.1	. 1		ļ					
Mandacine of Paletaned Maral Press	<b>1</b>	9									ŝ	(	0.0	1-11	6-9
				6.0	56.6	40.8	66.2	74.0	82.2	8.4	115.8	134.8	243.5	357.9	374.3
	19.1	10.8	11.8	8.5 8		X	2 84								
New-Electrical Machinery	1.8	1.6	5	10.0	1 . 9	8.4	16.9	11 2	6-11	× ×	82.0 28.8	5.95 37.45	- 6.63	1.21	197 197
Electrical Mechanicy			10.6	1.4	1-1	5.5	6.7	0 <b>.1</b> 4	15-9	12.6	2.0	48-0	6.99	83.5	8
	•	•	10 1 1	•	1	, 1	•	•	ı	·	• • • `		• • •	1	
BO Other Manufacturing Industria	1-6	.   •		:	•	,	,		-		,		1		•
					4.0	0.0		2.5	3	2	و.،	6.9	11-5	13.2	13.3
• TVIOL DISTINITY ADAM	41.5	1-634	9:5¥	555-4	639+3	8.69.8	708.6	150.3	6 <b>. 1</b>	305.5	1 068.5	1 794.0	1 490.2	1 633.2	195.7
<ul> <li>Algunted Data, see bart, Returntes.</li> <li>Algunted Data, see bart, Appendiz C 31. Rewardses &amp; T (311/2 Poet products</li> </ul>	1		N				241.0 241.0			e, e	X6.9	74.2	7.474		5.13
Chemical, Poirolonn, Mabber & Fig Potroloum refinentes Potal Meanfroturing	eti e						49.6 27.6	FX	126.9	12.0	- 1111-	6.F	0.10 1.10		117.0 27.4 27.0
				ļ			719.6		953.0	032.8	5.12 12	945.8	962.2	644.0 3	

	E	E	6	•	6	E		e							
	1963	<b>196</b>	1965	<b>38</b> 61	1961	1961	1969	1970	1971	1972	:97.3	: 21:	1975	546	
															1
Tehesters	63.6	121.4	122.4	99-7	57.5	55.0	66.6	9.98	92.7	105.2	117.3	5.141	187.0	221.1	:: 22
		116.8	11.3	8.%	53.1	8.25	<b>60.</b> 5	71.2	<b>34.</b> 2	25.7	106.7	1527	174.0	207.77	0.140
	6.0	4.6	5.1	3-9	4	5.2	6.1	<b>9-4</b>	8.5	9-5	10.6	]2•2	0.51	2	
			•	ı	•	•	-		•	,	•	•	-	,	•
Tentis, Wearing Apparel and Lender									Į	, ye		. B. CEC	1 1 1 1 1 2	5.M.2	- 64
	175-5	137-3	231.7	104.44	66.1	51 <b>.</b> 5	10-1	104.5	8. X	4					
21 Teatiles	163.2	0"521	217.4	8-18	42.8	¥.1	:3.9	76-2	50*6	60.1	6°99	13.6	174-7	212-0	
		7.6	9 <b>.</b> 6	10.4	13.1	16.4	1.12	17.7	6.62	32.5	¥.2	60.0	2.0	110.7	113.4
	5-8 7-8	2.2	2.9	2.2	5.9	3.2	3-5	4.7	ž	4.1	4-7	11-2	13.6	21-4	21.5
		2.5	2.8	4.0	4.3	5.2	5.3	5.9	9.9	9-7	5-6	18.0	21.2	33.1	Ř
Mandation of Verd Products Red						,	90	Ş	o g	1.11	1.17	5 <b>0</b> -9	117.2	135.^	181.0
-	~ I	ı. tit	2 <b>-</b> 0	2		ž	3						5.01	11.0	10.1
al West and Carls Products, ancure Parallant		c, L	2.6	3.0	2.1				4	;;				Ì	
A Person and Patron	35.6	16.3	15.6	к.)	22.6	0°E	č'y.	21.5	4.6	8.0	2	41.5	o lot		2.021
Numbers of Page and Page Prober Number and Nilbithin	و• ،	3.5	3.8	<b>5.</b> 3	6.9	C*1	5.6	2-5	10.1	0- <del>1</del> 1	16.9	17.7	1.05	30.5	2.1
		5.0	4	0-5	3.5	2-0	 	6-0	0.1	21	8	1-9	1.6	2.3	2 <b>.</b> 3
		9	1			6.3	2**	8.3	9.1	12.6	15.1	15.A	18.5	28.2	29.8
Manufacture of Constants and Constants															
Pursiana, Casi, Rabbur and Panda	101	<b>8.</b> 3	10.7	12.7	e.	7.5	9.7	6.9	71.1	29-4	32.8	2*15	<b>£</b> .5	88.3	6•82 j
	I.		[			-		.	.	.					
	9.6		4-5	10.6	11.5	5.1	1.1	6.3	19.7	20-9	23.0	36.0	<b>1</b>	60.6	
		•	•	•	ı	•	1	ı	• .	·	1	•	•	•	•
MA MAR PROVIDE CAL Product	•	•	•	•	•	•	•	,	ı	•	•	•	•	•	•
	4.7	2 <b>.</b> 6	5.9	1.8	1.0	1.8	0.5	0.0	4.5	1-1	5.4		5.01 2	°. ¥∶	
M. Pastic Products a. c.		0.2	0.3	°.9	6.3	٥.۴	0.8	0.1	3.5	9.	4-4	8.9	2.6	-1967	
X. Mandarian of Nun-Mandle, Mannel Produce, Except Products of Perstant															
and Cont	33-5	31.5	30.7	1.9	9.8	10-5	<b>и.</b> 3	15.9	24.5	9.92	24	8.9 <u>6</u>	39-9	ž	61.9
31) Petery, claims etc.	•	•	1	•	ı	ı	I:	•	ı	I	•	•	•	•.	i ;
ME Class and Products		1.1	6.9	1-1	1.9	6.1	<b>?</b> •7	2.1	2.1	8°.	2.9	6' C	3•1		
38 Other New Manuffic Mineral Products	8.8 X	31.4	23.8	6.2 7 0	6.14	9.9 9.1	1.1	13.0	(1:0 (2:3)	49.1	5.0	6.95	16.6	L.F.	1:.5
	1									.	•		.	].	.
		•				1				10.1	50.5	6.9	76.6	1.11	76.5
All Norway Manual A Manufacture of Paintined Manual Product			1	6		5									1
Hothery and Textures	2.2	16.0	24.1	4-11	11-5	31-0	43-4	<b>49</b> -5	51.2	e e	6-22	83.2	132.0	15.6	5-161
201 Maral Products, unrepr mark	1-61	10.8	:1.8	8-0	2.01	3.3	35-0	40-0	<b>46.</b> 3	¥.	<b>60.</b> )	61.5	106.9	Pr.7.0	157.5
									y y			4-6	15-1	2.5	6.0
All Non-Decision Machinery			10.6	2.4	5.1			2	3	6.3	5.	3	10.0	1,61	0.01
10 Electrical Meridianty		(   ) 	•	l: .	•	•	•	• •	•	•	•	•		•	
	1	•	•						•		-		1	•	•
A 20 ONLY TRANSPORT DESCRIPTION	3.6	200	2	3.5	4-0	<b>6.</b> 0	1-8	2:5	ł	5.7	6.3	<b>ن</b> .9	11.5	13.2	<b>6</b> .0
	Ľ														

Table (C-4). Spris, Dress Taim ideal in the Thivid Sector Industry, 1965-1971 (51 Hillion at Oursch Prices)

SAUTOR: TOW BALlantee

			Table (C-9)			Value Addad in 1 (SL Million at	a the Publi at Current	the Public Sector Is t Current Prices)	Taduatory, 1965-1977	1161-C3					
	e	e	Ê	Ð	e	•	e	e	ε	Ð	(II)	(13)	(E])	9	ŝ
	1963	1961	1965	1966	- 1961	1968	1969	1970	1261	1972	1973	1974	1975	1976	Lie
Le Mandacture of Food, Brunger and															
Telecos •	0. <i>8</i> 8	55.0	71.5	93.2	151.5	147.0	164.2	135-5	122-5	10_0	52.1	55.6	-141-0	5.9	÷
311/2 Fourd Products *	•	ı	·	11-5	41.5	<b>0-11</b>	4 <b>0</b> •0	18.0	1-1	-32-7	-106-5	110-7	-349-7	-351-8	-337-0
Burning and a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	•	,	•	2-7	5 <b>.4</b>	3-0	3.2	1.1	1.3	4-5	4.6	1- 9	5.7	ſ-a	0.6
314 Tothecco	66.0	55-0	511	79-0	9-101	0.001	0.121	<b>1</b>	<u>A-911</u>	1.21	0.82	0 L91	20102	289.0	24.0
L Testifie, Wearing Apparel and Leather Industries	1	1			ļ		-	į							_
	'	•		125-1	1-117	192.2	200.7	181.7	219.2	220-1	348-5	821-3	. <b>.9</b> 6	8.6X	746.9
	•	•	·	121-0	171-0	186.5	0.261	0-111	214-0	214.2	M2.1	810.0	396.7	495-4	E-167
Annual shows build be and	•	•	•	3.6	3.9	4-2	1-1	4	4-1	3.6	9-6	1	4	E.OL	22
125 Lasting and Products	ı	ı	,	0.5	2.B	1.5 .	۰.	<b>1</b>	1-1	2.4	0 <b>.</b> 8	4.2	2.8	4-2	2-9
14 Postwee	•				•			•				-		4	
Memberiary of Wand Products and						•									
	•			<u>.</u>	-	P-7	2.0	2.6	Ĩ	9.0	۰.3	5-7	5-7	9-L	Ŧ
101 Ward and Carls Products, enough Purchase	•	•	•	1.6	1	1.8	3.2	2.6	Ţ	3.6	٤-0	5.7	2.5	9-1	Ĩ
Sharton at Pater		,				•	•	•	•	•	•			•	
Mundation of Paper and Paper Products,															
Printing and Parishing		•		0.1	0-7	6.0	0.7	6-1	٤.1	1.1	2.4	1.2		6.0	6.3
4. Page and Products	•	,	•	0.1	1.0	<b>6-</b> 0	. 1.0	. स्प	54	1-1	2.4	1.2	7	6.0	3
D Mure Mining		•	•			•		•	•	•	•	•		•	•
Numbers of Controls and Control. Province, Coal, Publics and Public					ı										
Preducta •	20.0	22.6	23-5	<b>K.1</b>	2.2	68.1	<b>40.9</b>	46.6	1.12	65.1	75-2	8.7		5 <b>10</b> 7 -	
It behavior Company	.				.		,	.		10.2	17	0-12	y y		× P
It Other Chemical Products				70	ţ	73	6.9	97	7.6	¥.0				1	
· Musica Marcha ·	9.0 2	2.6	23-5	<b>%</b> .0	ŝ		3.15	2.7	52.2	\$	5.2	0		1 22	10.24
A Mar. Persona, Carl Press	•	•	•	•	'	•		•	1		۰				•
Refer Press	•	•	• • •	4.2	2.9	<b>*</b> :	4.6	7.1	1-1	5.8	4.7			0.0	0-0 0
B Pertic Products II. c. c.	•		- <b>†</b>	6.0	2	~	1.8	1.8	2-9	3.0	2-0	3-2	3-1-6	3.7	3-9
Minute States of Nan-Mataliki Minute															
	•	ı	•	19-7	21.3	8.5	31.6	71.2	11.0	1.0	0-54	1.03		-	
		ľ											2.64		
	•	•		•	• •	•	•	•	•	•	•	• :	•	•	'
		•		?		1.0	8.0	1.5	5	-	6.4	18.0	า กล	0 <b>-L</b> t	15-5
Other New Metallic Misseril Products		•	•	4-7	21.0	25.8	23.6	3.8	÷.	24.9	38.6	21-15	35-7	113.0	140-7
والمحافظ المحافية المتعادين المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المحافظ المح	•	•	•		-	•				11-0	23.2	7.0	22.9	17.7	7.6
	•	•	•	•	•	•	•	•	•	11.7	23.2	1.0	22.8	1-11	1.6
7 Nuc-Pertus Masis		•	•	•					,	-			-		•
Mandactions of Patricianal Manual Products,	1	I	I	2 11		•	1			1		-			
		-				2	5.0	4.)	0.0	5.02	10-0	11-0	111-5	175-3	۰. ۲
	,	•	,	0.5	0.9	<b>j.</b> f	3.6	2.B	2.8	1.0	1.7	0.0	 	ž	ç
Real Property Sector		•	•	9.9	5.8		9-11	2.11	1.01		ş				2
1 Electrical Machinery	•			• • •	4.4	3.2	1	10.2	11-6	6-5	18.9	41.7	6.95	10-4	1.5
and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	•	•	•	•	•	•	•	ī	•	•	! •	•	• 		
8 Prefessional Scientific grade and	•	•	-		ı	•	•		,	,	,	+ 1 - 1	ļ ,	.	•
300 Other Manufactoring Industria	•		•	•		•	1		1	,			,		
MANUFACTURING TOTAL .	96.0	71.6	<del>95</del> .0	267-4	133-8	452-5	467.1	429-4	469.6	465.8	5 9.792	3-122	558-3	392-5	150.7
<u>Source:</u> ECUA Betimbee • Adjusted Anta see tert appendir C 21. Realisticity of foot, herenges & tobase							175.2	174.5	187.4	203.6 203.6	229.6	5.65 67	L.18	Ê	, K
, com present Gandal, pitoloum, rubber à plattie Pitroloum rafianties							9.04 8.04	5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5	2.56 2.66	9.9.3 9.8.3	7. <b>11</b>	1.85.1	156.6	1. 1. 1. 1. 2. 1. 1. 2. 0. 1.	221.0
Total Meadleturing								1.064	555.1	- 565	804.6	5-166	6.060	5 <b>-6</b>	755.0

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Table No. (C-10). STRIA: GRUSS VALUE ANDLE ANDLE DERIGENCENTER MERGENE MERGES (1970 = 100) SI HILLION AT CONSTANT PRICES (1970 = 100)	
INTEN SS	
A: GRU	
INIS	
.(01–2)	
) No:	
Table	

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267.0     37.1.1     37.2     33.4.     33.4.     33.4.       115.7     128.3     145.7     145.7     30.3     35.4.       251.2     264.9     334.4     53.4.     396.2     25.4.       27.4     29.3     30.2     29.4.     396.2     492.4       2     7.9     7.9     1.9     2.1.3     492.4       2     7.9     7.9     1.9     2.1.3     9.6.       7     7.9     30.2     29.6     29.4     44.9       7     7.9     30.2     29.6     28.2     49.9       7     7.9     30.2     29.6     11.4     11.5       7     7.1     25.1     2.5     4.5     6.2       7     7.1     25.1     2.5     14.4     11.2       7     7.1     25.1     2.6     51.4     11.5       7     7.1     2.5     14.4     11.6     14.9       7     7.1     2.5     14.4     11.6     14.9       7     7.1     2.5     14.4     11.6     14.9       7     7.1     2.5     14.4     11.6     14.9       7     7.1     2.5     2.4     6.2     14.9 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>0,00</th> <th>1000</th> <th>i du l</th> <th>1972</th> <th>ι </th> <th></th> <th></th> <th></th> <th>1911</th>								0,00	1000	i du l	1972	ι 				1911
Incomplexity         Construction         BSS         BAR         BSS			0.04	1965	1966	1967	20			0 5 7		1.755				
Topol Biology Sector (Cold State)         Topol Biology 1000.         Topol Biol		╇	4		7.000	253.2	24.0.8	2.11.5	261.1	20.02			i.	1		
III II (2) Foremonicant       III  (2) Foremonicant       III (2) Foremonicant		-	0.00	10	162.0	11.11	115.5	120.0	132	11-4		172-7				
11.1       Three       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2       11.2	311/2	4			с с	0.0	10.01	10-6	10.5	10.01			1	1	÷ .	
Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem       Theorem	11 Persones		20	-			123.2	5.761	116.4	115.7		1-242				
TENTLE         Value         State         <			02=0	- 6-611		C. 75 C	5.75.2	278.3	236.2	251.2		334.4				
11       12       12       12       12       12       12       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13 <th< th=""><th></th><th>_</th><th>69.5</th><th>453-1</th><th>213.5</th><th>3.103</th><th></th><th>2.5.2</th><th>253.2</th><th>213.0</th><th></th><th>293-4</th><th></th><th>- 1</th><th></th><th></th></th<>		_	69.5	453-1	213.5	3.103		2.5.2	253.2	213.0		293-4		- 1		
R.       Name       Ref       Sol       S		-	K.J	425-4	2.52			20	22.0	27-4		30.0				
Riser         Description         Dist         Dist <thdist< th="">         Dist         Dist</thdist<>	lexues		;; c)	16.5	10.1	10-01 			ſ	3.6		3.9				
Rumer and former         Fit         7.1         7.0         7.2         7.1         7.6         7.7         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1         7.1	A caring apparel		2.7	5.7	3.2	5		<b>3</b>		2.2		7.1				
R.         Forest         St.         St. </th <th>Leather products</th> <th></th> <th>1.1</th> <th>5.5</th> <th><u>∽.7</u></th> <th>4</th> <th>1</th> <th>ЧC N р</th> <th>5</th> <th>- C</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	Leather products		1.1	5.5	<u>∽.7</u>	4	1	ЧC N р	5	- C						
WOOD AND WOOD PRODUCTS         No.0         No.0         No.0         No.0         No.0         PRODUCTS         No.0         No.0 <th< th=""><th></th><th>-</th><th>24.6</th><th>21.8</th><th>19.1</th><th>25.0</th><th><u></u></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<>		-	24.6	21.8	19.1	25.0	<u></u>									
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Willing       Priver and Paper polation       Set       Total       Total       Set       Total       To		÷		0.5	0.6	1.4	1-1	- 1	u c							
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CHBMICAL PETROLEUM, RUBBER & PLASTIC PROOS       0:1       5:1       13:7       7:1       15:2       11:1       2:0       36:7       26:3       5:1       5:5       5:5       5:5       5:5       5:5       5:5       5:5       5:5       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1       5:1		÷			11.7	55.0	51.3	52-0	4.11.6	0• X		I IQL.3	1			
3(3)       Constant North Marker $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$ $q_{10}$	:		•					6 31	5.11	0.0 0		28.3				
Streament protect       T/3       Ty.0       21-5       23-9       36-5       37-3       29-4       57-4       5-4       5-1       5-4       5-1       5-5       1-5       10-0       7-1       8-4       8-9       14-4         35       Bubber products       A<1       2.5       5-4       5-1       2.8       3-1       4-7       5-5       4-7       5-5       5-5       5-4       7-1       5-5       5-5       5-4       7-1       5-5       5-5       5-4       7-1       5-5       5-4       7-1       5-5       5-6       7-5       10-0       7-1       8-4       1-5       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4       10-4		-	<u>, 6</u>		0.11	1.21	7•7		}			64.4				
3.3       Periodican of protection       Cost $1.0$ $7.1$ $1.6$ $4.7$ $6.5$ $4.5$ $5.7$ $1.5$ $1.0$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.1$ $2.$	Chemical products	-	10.91	21.5	23.9	5-25	- 37 - J	29.4	5	0		•				
Will:       Production of perioderan       Constrained       Airl       C-5       S-4       S-1       C-4       S-1       C-5       T-5       T-1       T-5       T-7       T-1       T-2       T-7       T-1       T-2       T-1       T-7       T-2       T-1       T-1       T-7       T-2       T-1       T-1       T-2       T-2       T-2 <th></th> <th></th> <th></th> <th></th> <th>1</th> <th>I</th> <th>1</th> <th></th> <th>1</th> <th>ا نىشە</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>					1	I	1		1	ا نىشە						
Stable poducts, n.e.       0.1       U.C.       0.1 <thu.c.< th=""></thu.c.<>	-		ער גיי	2	5.1	2.8	4.2	5-4	1	4			-	;		
66         Planic products.         acc.3         dis.7         37.1         39.5         40.4         53.1         46.7         48.7         30.3         55.7         93.1           61         NON-METALLIC MINERAL PRODUCTS         60.3         36.7         37.1         39.5         40.4         53.1         46.7         48.7         30.3         55.5         29.4         51.1         51.3         55.0         24.5         51.3         55.7         39.4         51.1         24.5         51.0         24.5         51.1         51.3         55.1         51.3         55.1         51.3         55.1         51.4         51.5         51.1         51.5         51.1         51.5         51.7         51.1         51.3         55.1         51.3         36.5         51.1         51.3         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1         51.1	Rubber products, n.e.c.	+			1-0	6-0	1-2	2.3	2.3	4-1			_			
NON-METALLC MINERAL PRODUCTS         40.3         36.1         41.1         57.0         5.4         56.5         5.5         56.6         57.6         57.0         57.1         57.0         57.1         57.0         57.1         57.0         57.1         57.0         57.5         57.5         57.5         57.5         57.6         57.6         57.0         27.5         57.1         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.0         27.5         57.5         57.5         57.5 <th< th=""><th>÷.</th><th>÷</th><th></th><th></th><th></th><th></th><th>8.9</th><th>43-4</th><th>53.1</th><th>46-7</th><th></th><th><u></u></th><th>+</th><th></th><th></th><th></th></th<>	÷.	÷					8.9	43-4	53.1	46-7		<u></u>	+			
61       8.1       8.3       9.4       9.4       10.4       10.9       9.8       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4 <th0< th=""><th></th><th></th><th>1.97</th><th>Tel</th><th>(1) (1)</th><th></th><th></th><th>•</th><th>1</th><th></th><th></th><th>•</th><th><u> </u></th><th>÷</th><th></th><th></th></th0<>			1.97	Tel	(1) (1)			•	1			•	<u> </u>	÷		
Kit       Class and glass products       State       Sta			1.9			0	10.4	12.61	0.8	5.2			_	1		
60hr non-metallic mineral products         37-2         73-4         6.3         6.5         5.2         9.9         7         13.1         20.0         14.5         14.1         25.0         24.5           371         Iona ad ateel basic industries         4.4         6.3         6.5         5.2         9.9         7         13.1         13.1         20.0         14.5         14.1         25.0         24.4           371         Iona ad ateel basic industries         4.4         6.5         5.2         9.9         7.1         13.1         13.1         14.6         9.9         14.6         9.4         10.3         14.6         9.4         10.3         14.6         9.4         17.2         15.6         15.1         16.5         15.1         16.5         15.6         15.6         15.3         16.5         16.5         16.5         16.5         16.5         17.6         17.6         17.6         17.6         17.6         17.6         17.6         17.6         17.6         17.6         10.3         14.9         16.5         14.1         14.6         17.6         17.6         17.6         17.6         17.6         17.6         17.6         17.6         17.6         17.6         17.6	Class and class products	-	0	10		\ \ \		37.5		38-5		4.0	+	1	12	
BASIC METAL INDUSTRIES       G.A       G.B       G.S       S.S       S.P       S.L       Land       Land <thland< th="">       Land       <thland<< th=""><th>Other non-metallic mineral products</th><th></th><th><b>1</b>.07</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>1 14.5</th><th></th><th>1</th><th></th><th></th></thland<<></thland<>	Other non-metallic mineral products		<b>1</b> .07									1 14.5		1		
BASIC METAL INUGUING       A:14       G.2       G.5       S.2       S.2       S.1       I.3.1       I.6.0       S.5       I.2.6       I.9.3       I.9.3       I.9.4         371       Ion and steel basic indusing       A:14       G.5       S.2       S.1       A       A       S.2       P.4.1       I.1.4       I.3.1       I.6.0       S.4       I.9.3       I.9.4       <			6.3	6.5	5.2	α. 2	1-6					6.1	_	- 1		
171       Iona and seel base incurrent       4.4       6.2       5.2       5.0       9.1       10.1       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       13.4       <	BASIC METAL INUUSINES		•	1	•	1	1			۔ د ا		0	_		:	
372       Non-territor merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial merial me	from and steel basic industives		с. Э	6.5	5-2		1-6-1		111	1			_			
FABRICATED METAL PRODUCTS. MACH. & EQUIPMENT       47-14       47-14       16.5       31.1       43.4       47-3       45.1       41.4       43.6       56.7       11.9       20.1       20.1         381       Fabricated metal products stored metal products stored metal by equipment       4.0       4.0       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1       4.1			r .,	0.54	1.6.1	2.12	47.2	12.	0. ½	1 75.5			÷	1		
Ball       Patricial meal products except mach. & quipment       47:0       4.0       4.1       20.0       4.0       4.1       40.0         382       Non-electricit mechany       20.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0       4.0				2 60	15.1	15.5	<u> </u>	42.4	. 42.3	45-1		201	÷			
Monotorial machinery       Monotorial machinery       4.0       4.4       4.4       6.4       9.8       14.0       14.6       10.5       22.9       49.44       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.4       24.5       24.5       24.6       24.6       24.6       24.6       24.6       24.6       24.6       24.6       24.6       24.6       24.6       24.6       24.6       24.6       24.6       24.6       24.6       24.6       24.6       24.6       24.6       24.6       24.6       24.6 <th>197</th> <th></th> <th></th> <th>7-67</th> <th></th> <th>,</th> <th>0</th> <th><u>्</u>व</th> <th>17.5</th> <th>15.</th> <th></th> <th>20-3</th> <th>÷</th> <th></th> <th>÷ .</th> <th></th>	197			7-67		,	0	<u>्</u> व	17.5	15.		20-3	÷		÷ .	
Bis     Electrical machinery.     2-9     12-5     21.0     13-8     10-3     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     - <t< th=""><th>÷</th><th></th><th>4-2</th><th>4-6</th><th></th><th>14.0</th><th></th><th>ð</th><th>ם זו וי</th><th>9-21</th><th></th><th>5-1-2-9</th><th>÷</th><th>÷</th><th>4</th><th></th></t<>	÷		4-2	4-6		14.0		ð	ם זו וי	9-21		5-1-2-9	÷	÷	4	
Mathematical Function     Mathematical Science of the second equipment     Mathematical Science o			12-5-4	21.2	1.2.2	<b>6</b>			•	•		•	+	<u> </u>	. ÷	
Solutional & sciencific control equipment         1.1         1.4         1.5         1.6         2.4         1.9         7.5         3.3         3.9         4.7         4.2         4.2         1.5         1.6         2.4         1.9         7.5         3.3         3.9         4.7         1.2         1.5         1.6         2.4         1.9         7.5         3.3         3.9         3.9         4.7         1.2         1.2         1         1.5         1.6         2.4         1.9         7.5         3.3         3.9         3.9         4.7         4.2         1         1.5         1.6         7.4         1.5         1.6         7.4         1.5         1.6         7.4         1.5         1.6         7.4         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5			:	ţ	•	•	: 	:  :   		1	1		+	- i-	•	
TOTAL MANUFACTURING INDUSTRIES 1.1 1.4 1.4 1.5 1.0 7.4 1.0 7.93.7 377.3 294.2 1 277.4 234.2 1 20.2 1 277.4 1 234.2 1 1 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0		-		I		1	•		ч с п	~	، بر			_		
TOTAL MANUFACTURING INDUSING 624.2 649.7 919.4 725.0 675.1 686.4 777.4 311.0 793.7 377.3 12.1 27.3 1		1.1	N.	1.4	1.5					╇	+	ŧ-	-	-'		1 596.6
TOTAL MANUFACTURING OCHICI VILLE I VIL	OTHER MANUT	0 003	1003	19.4	725.0			111		_	-	-11	-			
	TOTAL	0.4.0	04: 7.1													

Source: Calculation are based on tables C-7 appendix C and D-3 appendix D.

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Tate No. (C-11)

# SYRIA: CROSS VALUE ADDE DI THE PAIVATE SECTON DIDUSTRY 1963-1977 (SL HILLION AT CONSULT PAICES 1970 = 100)

ISIC Code Cotegory	8 o r y	1963	1964	1965	1966	1961	1968	1969	1970	1971	1972	1973	7151	1975	1976	щ
31 FOOD. BEVERAGE	FOOD. BEVERAGES AND TOBACCO	120.6	233-0	198.4	151.3	69.7	67.7	75.6	86.6	39.68	102.1	0.411	123.5		174.2	160.5
311/2 Food manufacturing	Food manufacturing	109.3	224.2	190-1	145.4	64.4	61.3	68.7	77.2	81.4	92.9	103.7	112.4	A-OFI	158.2	146.0
313 Berenges		11.3	3 <b>.</b> 8	8.3	5.9	5.3	6.4	6.9	9.4	8.5	0.0	10.1	11.1	10.4	16.0	14.5
314 Tobacco	10000000000000000000000000000000000000	1	•	1	1	•	•	•		,		•		•	•	•
	TEXTILE, WEARING APPAREL AND LEATHER	216.4	169.5	453-4	124.6	144.4	57.5	72.3	104.5	7.47	8	844	118.9	165.5	227.2	218.1
321		201.2	154.3	425.4	104.8	91.5	21.1	45.1	76.2	40.7	48.7	48.0	73.3	18.1	R	134-5
		2.6	4-6	16.8	12.4	28.6	15.3	18.2	17.71	24.1	26.4	26.0	8.0	42.7	57.5	5.5
	Lesther products	3.5	2.7	5.7	2.6	12.9		3.6	4.7	2.7	E.E	4.0	5.1	6-1	11.1	1
324 Footwaar		3.1	1.5	5.5	4.8	9-6	4.9	5-4	5-9	7.2	7-9		9.2	12.7	17.2	16.9
33 WOOD AND WOOD PRODUCTS	DD PRODUCTS	37.5	24.7	21.8	17.5	23.7	28.9	29.9	0.05	29.5	2.1	29.3	55.2	45.7	5	68.2
331 Wood and cork		3-2	3.7	3.1	0.0	2.0	0	2.3	2.5	2.4	2.0	2.2	0	0.0	4.5	10.2
		34.3	21.0	18.7	7-7	21.7	25.9	27.6	27.5	27.1	25.1	27.1		41.7	46-2	61.1
34 PAPER, PAPER PRC	PAPER, PAPER PRODUCTS, PRINTING & PUBLISHING	0.0	3.3	4.4	5.2	7.7	7-4	5.6	<b>6.</b> 0	10-01	12.61	12.8	71.4	0-01	14.5	15.6
341 Peper and Paper products	roducts	0.51	0.51	0.5	0-5 0	5.6	0.7	4.0	6.0	1.0		1	50 1 ~	0.1		
342 Printing and publishing		2.5	2.8	4.0	<u>1</u> .4	7.1	6.7	5.2	8.3	0.6	11.3	5-11	12.1	11.0	13-4	ы. 1
35 CHEMICAL PETRO	CHEMICAL, PETROLEUM, RUBBER & PLASTIC PRODS.	0.6	7.3	9-8	10.9	9.1	5.0	9.3	9.3	20.2	23.0	23.2	33.2	39.2	52.2	37.8
351/2 Chemical products	and the second second second second second second second second second second second second second second second	•				, a					4					
353 Petroleum refinery			<b>}</b>			\$ 1	ţ	2	1	ŧ	A	e.			2	
354 Mise. products of petroleum & coal	etroleum & cosl	•								<b>e</b> 1		)	•	•	•	1
355 Rubber products, n.e.c.		4.1	2•5	5.4	1.5	0.7	1.2	5.3	2.0		4.5	, s			u C	6.9
356 Plastic products, n.e.c.		1.0	0.2	0.3	اد.ه	0.2	0.4	6.0	1.0	2.6	3.6	7	1.1	5.6	8.0	6.0
36 NON-METALLIC M	NON-METALLIC MINERAL PRODUCTS	40.3	36.7	37.1	11.3	11.7	12.3	15.1	15.9	19.6	22.01	10.1	18.2	22.6	0.00	25.4
ĩ		•	,	•	•				•	, ,					•	ţ,
362 Gises and glass products		8.1	3.3	8.3	2.4	2.3	2.2	2.4	2.3	2.2	2.3	2.0	1.7	1.8	1.2	1.1
369 Other non-metallic mineral products	mineral products	32-2	28-4	28-8	8.9	9 <b>.4</b>	1.01	12.6	13.6	17-5	19.7	11.71	16.6	20.8	21.0	24-0
37 BASIC METAL INDUSTRIES	DUSTRIES	4.4	6.3	4.5	5.2	8.9	9.7	10.0	13-4	13.1	16.0	9.9	12.5	19.2	19.0	19.0
	: industries	•	1	•	-	•	•	•	,	•	•	. 1	-			
372 Non-ferrous metal basic industries	adic industries	4-4	6.8	4-5	5.2	8.9	9.7	10.0	13.4	13.1	16.0	9.9	12.5	19.21	16°61	19-91
38 FABRICATED META	FABRICATED METAL PRODUCTS, MACH. & EQUIPMENT	49.4	41.7	48-2	25.6	25.3	35-9	48.3	49-5	52.5	57.5	68.5	85a7	201.2	2,901	1.361
361	Pahricated metal products except mech. & equipment	42-5	25.0	23.6	14.2	15.5	29.3	39.3	40-0	46.3	46.1	55.1	ي ون	82.0	87.0	5 101
	bery	4-0	4.2	3-4	1.1	6.2	3-9	5.7	5-7	6.1	6.2	7.8	6.7	11.6	0.6	11.1
	. appriances	2.9	12.5	21.2	4-3	6-6	2.7	3.7	3-8	164	5-2	5.6	<b>6</b>	1.6	7.8	12.1
- 1				•			1	. 1					;,		e	
385 Professional & scien	Professional & actentific control equipment	•	-		•	•	•	•	1	1	-	1			E	
39 (390) OTHER MANUFACTURING INDUSTRIES	TURING INDUSTRIES	1.1	1-4	1.4	1.6	1.6	2-4	1.8	2+5	3-3	3-8	3.9	4.2	4.3	4.6	5.1
S TOTAL M	MANUFACTURING	481.7	524.4	0-611	353-2	293.0	226.8	268-4	320.9	312-5	355-3	365.1	4:5.0	560.0	674.7	677.6
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Seerce: Calculations are based on tables C-8 appendix C and D-3 appendix D.

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Table No. (C-12) Syria, Choss Value Added in the Public Sector Industry, 1963-1977

(001-0261)
FRICES
CONSTANT
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	Category	1963	1961	1965	1966	1967	1961	\$ <b>9</b>	1970	1971	1	į	101	1076	1001	
31	FOOD, BEVERAGES AND TOBACCO	125.2	105.6	115.9	1.11	187.6	0.181	0	174 5	1 11	107 7					Ę
311/	311/2 Food manufacturing				17.1	5	3	2.5	1.1		421.0	1.12	eriz.	230.5	314.2	263.3
313	Brrenes						, r ( "		, . , .	, . ,		69.0	66 <b>.</b> 3		71.14	70.3
314			105 6				1.2.1		1.1	5.7.1	***	4.5	- 0.4		9.71	6.1
52				2.7.7.7	2.711	+	1.0.1	C•167	*-01T	1.0.11	(-e1	149.1	152.9	162.6	227-4	186.9
3	I EVILLE VEARING AFTARE AND LEATHER	•	1	•	149.3	172.8	179.8	206.0	181.7	176.5	178.5	250.0	419.5		265.0	156.0
		1	•	,	14.4	166.3	174.5	20.2	177.0	172.3	173.7	245.4	413.7	226.0	257.5	148.6
		•	1	•	4.3	3.8	3-9	<b>4</b> .8	4.3	3.3	2.9	4.0	3.6	1	5.5	6.01
S I		1	•	•	0.6	2.7	1.4	1.0	0.4	0.9	1.9	0.6	2.1	1.6	0.0	
Š.	1	•		•	1	1	1	•	•	•	•	,	•	1		
8	WOOD PRODUCTS	1	1	,	1.6	1.2	1.7	3.4	2.6	3.3	1.5		0		, ,	
331		•	•	•	1.6	1.2	1.7	3.4	2.6		1.5	5		× •		1.1 -
332	Fumiture and fistures	•	•	• • • •	•	•	•		•			× -	<b>.</b>	2*0	0.7-	1.1
2	PAPER, PAPER PRODUCTS, PRINTING & PUBLISHING	•	•	•	1 1.0	0.8	10.1	0.7	1.3	1 × 1		a			+ • ,	•
Ī		-	•	•	1.0	0.8	0.1	0.7		1.1	0.1		- - -	; ;	2.0	2
345	Printing and publishing	1	•	•	•	•	•	•				•	ן י	;	<u>.</u> .	2
35	CHEMICAL, PETROLEUM, RUBBER & PLASTIC PRODS.	17.3	19.A	2, 5	0	AS A	44	12 5				0	6	.   .		
351/	351/2 Chemical products			Ì,		2.7			28	12.2	22	1.10	03-4	2.1	10.141	110-4
355	Petroleata refinery	17.3	A OL	5	0.20					2.5	1.2	12.0	3	2.2	90	19-4
120	1		2		2.03	ŝ	1.17	•••	X	0.00	<b>3</b>	844	49-94	61.2	124-6	8
355		1	•	•	.,	•	•	•	•	•	•		e			
2		•	•	•	•••	2.1	2.0	4-9	7.1	1.2	2.5	7	2.9	2.5	11.8	3.4
8		•	•	•	0.8	0.7	0.0	1.9	1.8	2.1	2.9	1.4	2.1	1.9	4.3	1.6
*	NON-METALLIC MINERAL PRODUCTS	•	•	•	<b>29.</b> 5	32.5	8.5	33.3	37.3	27.0	<b>%</b>	4.15	1.14	27.8	\$2.9	<b>64.</b> 1
ŝ	Poliety. china, eartheavare	•	•	•	1	1	1	1	•	1	•		1	- 1		
	Class and great products	•	•	1	7.2	7.5	8.2	8.4	7.5	6.0	6.0	4.5	10.7	7.5	6.9	6.4
		•	•	•	21.0	25.0	200	24.9	8.6	21.0	<b>%</b> .6	26.95	30.6	20.2	46.0	57.7
37	BASIC METAL INDUSTRIES	•	1	•	•	•	•	•	•	1	•	1	1.5	5.7	4.6	0.0
1/6	Iron and steel basic industries	•	•		•••	•	•	1	1	•	•	1		1	197	0.0
372	Non-lerrous metal basic industries	,	•	•	•	1	•	•	•	•	•	•				
2	FABRICATED METAL PRODUCTS, MACH. & EQUIPMENT	•	•	,	20.5	16.1	11.3	23.4	24.5	23.0	23, 3	27.5	72.7	85.8	8. 101	12.211
381	Fabricated metal products except mach & equipment		•	•	10-1	1.3			8.0	2.61						
382	Non-electrical machinery	•	•	•	10.7	8.4	5.8	13.5	11.5	9.9	1.5		2.00	4;		
383	Electrical machinery. appliances	•	•	•	8.8	6.4		6.1	10.2	10.7	, ,				41-0	47.4
Ter :	Trensport equipment	•	•••••	•	•	•		•	•	•			17 I		474	10.2
385	Professional & scientific control aguipment	•	•	•	•	•	•	•	,	•		•	)   	•••	) 1	•
86	OTHER MANUFACTURING INDUSTRIES	•	•	•	•	•	•	-	•	•	•	•	•	•	•	,
	TOTAL MANUFACTURING	142.5	125.4	137.4	12.0	452.8	458.7	685	490.2	0.181	ŝ	1 304	A XK	K77 B	7 220	010
							-		3.24			1.020	0.20	0.110	1.664	0.414

Source: Calculations are based on tables C-9 appendix C and D-3 appendix D.

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										L					
	1963	Ĭ	1945	3 <b>%</b> [	1961	1968	1969	1970	1971	1972	1973	1974	ŝ	1996	Ш.
Mandation of Park Investment of	12.6	1.11	1	176.1	195.6	16.101	216.5	212.2	ŝ	0.361	15.0	1.691	18.8	เาสเ	० स्टा
	51.7	112.6	110.0	6.7	8.5	78.9	5.6	8	9.57	2:2	-14.2	, Y	19.6	-176.6	-161-
		. 1.4	4.5		6.1			1.01			2.1	10.5	17.4	¥ 1	Ŷ
Tohura	66.1	6-X	8.6	75.1	6.90	9.6	120.0	115.6	118.5	130.7	152.0	164.6	197.0	280.0	265.0
Testis, Wearing Append and London Memory	196.2	(°%)	214.6	210.4	228.0	8.95	7-0-7	24.9	0-162	1	0.044	1 120.5	645.2	1.000	
Transmission		111.1	201.02	5.85	191.2	2.102	1.042	1.12	245.7	1.022	, in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	1 004.1	1-015	719.3	
					16.2	19.91	2.12	1.02	1.0		40.2	3		9-911	
					1						0.5		15.2	0.15	
Press.	2.4	7	2.7	5	3	\$ 9		- 9 - 5	<b>8</b> .6	1.6	9-5	1.1 1.1	21-0	31-0	N.0
Mandacture of Wood Products, Ind.	6.9	18.5	1.14	17.8	R	y.	9-04	e.0	9711	16.0	14.3	0.53	1.611	1.91	6 Y
		2.7	12	•	2.6		9	1	0.5		2.7	17	15.1	16.1	
		† 15.6	13.1	6.61	21.8	ŝ	25.6	, ye	9.92	0.0	13-0	45.8	101.0	11.4	155.0
Mandation of Paper and Paper Particular															
	- 1				<u>,</u>	ŏ	7	ŗ			6.11		1.1	8-R	ŝ
		3		6-2 0	6. 0	ŝ	6° 0	2.1	2.1	2.1	4	2-1	5	5.5	1.6
Number of Contest of Contest	4	5	2:9	1.1	53	~	4.8		9-0	11-6	6.1	9-M	11.2	3.5	6.¥
Terrent Cost Mater and Party	21-0	17.5	×	, X	64. D	61.6	15.21	5	y W	ŝ	Ĩ		160.7		5
					; .	,   .	\$ .	; .	,		5	12.0	792	8-9	
Other Channels Product	4.8	1	•	11.6	16.5	10.2	6-21	10-2	26.2	2.62	0.62			0.67	
	1	10.7	16.3	18.2	3	te.34	5.5	11.9	51-0	35.0	4.9.4	12-0	2.5	5 5 7	1.0
Mar. Persons, Caul Proban	•	•	•	•		•	•	•	•	•		•		•	•
	:	2.2	3		2.5	3	<b>;</b>	1	3-5	9.6	ۍ. ۲۰	11.2	6.41	22.0	8
Partic Reducts I. a. c.		3	3	1.0	7		2	24	5	7	5	ŝ	T.	15.3	15.7
Newtonia of Nachinality Maani Probuts, Earsty Probuts of Paradam-															
3	ê	ž.	1	21.5	27-8	9.X	37.5	45-9	ۍ. هر	53-8	65.1	8.9	6-29	363.6	6. <b>K</b> 1
They, dies as			1.5	•			•			•	•	•	•	ı	-
					1		0.01	6-0	2		       	19.6	15.2		
Date Marine Marries	22	<b>1</b> 07	9.9 1.6	2.5	Ţ	8.8 8	2.2	1.11	42.6	4-5 51-0			67.7	145-8 67-6	178.2
	. ?	, ¶	9	\$°			- <u>-</u>		1. <del>2</del> . 4	1.94 1.94	48-9	÷.	e 7. 2	12.0	
Marken & Taking Mail Marken															
	0-12	â	9	23-2	5-2	38-5	61.7	70	78-7	8. X	112.2	5-61	3 <b>%</b> -9	38.2	
	10.8	5.1	11.0	1:1	13.3	25-4	37-5	41-1	<b>11</b> -3	51.2	6-65	67.0	109.2	0.981	1.911
Non-Boostical Machinery		1.7	1.5	9.0	0-0	1.1	16.0	16.4	19-19T	3.6	8.15	T.	62.2	<b>%</b> .2	~ <b>~</b>
President Mechanicy		5.1	דיסד	1	1.2.	1	<b>B.2</b>	סינו	סינו	0.51	X.6	T N	65.2	a de	9.10
	•	1		1	,	•	•	•	۰,	•	•	•	•	•	
Manual Sands pub at Oter Mendersk Martin		,   <b>9</b>	, ];		- 0-1	.[;	-   ° <del>*</del>			- <b> </b> •		-		1-61	•
												2			
M. NUTACTURERS TOTAL .	399-2	2 <b>.14</b> .2	<b>303.</b> 2	497-4	574.1	603.0	6-959	102-4	<b>8</b> 9.2	844.9	1-666	1.00.1	1 384-5	1 442.0	24-5
Americ: Mall Bridge Algebra and an an unit figuratic of 11.1/2 had product of four to becompar- 11.1/2 had products 21.1/2 had prod	į							2.52 2.52 2.52	2×5	88.7 191.9 177.2	Î	R E S	şen	Rea	Ĵ
							ć	ŝ		5.3	i	¢.	į	101.5	0.815

Table in (6-13) STALA, MY ALLE AND IN OWNLY MANAGEMEND DESCRIPT, 1552-1977

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ISIC Code	Category	63-77	63-70	70-77
31	FOOD, BEVERAGES AND TOBACCO	17.3	-66.5	14.5
	Food manufacturing	15.8	-56.6	13.4
313	Beverages	1.5	- 9.8	1.1
314	Tobacco	-	-	-
32	TEXTILE, WEARING APPAREL AND LEATHER	28.5	205.2	34.5
321	Tertiles	12.0	251.4	20.1
322	Wearing apparel	11.3	-30.9	9.8
323	Leather products	1.9		1.7
324	Footwear	3.3	- 9.8	2.9
33	WOOD AND WOOD PRODUCTS	14.6	25.7	15.0
331	Wood and cork	1.6	2.3	1.6
332	Furniture and fixtures	13.0	23.4	13.4
34	PAPER, PAPER PRODUCTS, PRINTING & PUBLISHING	2.5	- 8.7	2.1
341	Paper and Paper products	0.1	0.3	0.1
342	Printing and publishing	2.4	- 8.9	2.0
35	CHEMICAL, PETROLEUM, RUBBER & PLASTIC PRODUCTS	7.9	3.2	7.8
351/2	Chemical products	5.5	- 2.0	5.2
353	Petroleum refinery	-	-	_
354	Mise. products of petroleum & coal	-	-	-
355	Rubber products, n.e.c.	1.0	7.8	1.2
356	Plastic products, n.e.c.	1.4	- 2.6	1.2
36	NON-METALLIC MINERAL PRODUCTS	2.9	50.9	4.5
361	Pottery, china, earthenware	-		-
362	Glass and glass products	-0.3	12.7	0.0
369	Other non-metallic mineral products	3.2	<b>38.</b> 2	4.5
57	BASIC METAL INDUSTRIES	7.6	-34.1	6.2
371	Iron and steel basic industries	-	-	-
372	Non-ferrous metal basic industries	7.6	-34.1	6.2
58 581	FABRICATED METAL PRODUCTS, MACHINERY & EQUIPMENT Fabricated metal products except machinery	17.7	-78.9	14.4
-	and equipment	14.0	-60.4	11.5
382 383	Non-electrical machinery	1.9	-11.3	1.5
<b>3</b> 84	Electrical machinery, appliances Transport equipment	1.8	- 7.2	1.5
385	Professional & scientific control equipment	-	-	-
59	OTHER MANUFACTURING INDUSTRIES	- 1.0	* 2	-
			3.2	1.1
3	TOTAL HANUFACTURING	100.0	100.0	100.0

 Table (V-25)
 Syria, Contribution to Manufacturing Value Added Growth by Industrial Branches in the Private Sector Industry, Selected Periods 1963-1977

 at current prices (percentage)

Source: Calculations are based on Table C-8, Appendix C.

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	2	3	£	t	1 8	t			5			1000			Ì
	Ĩ	ž	Ň	Ň	- Second		6961	1970	1.61	1972	1 6791	1974	1975	1976	Ĕ
		ł						T				T			
	£-3	116-9	114-5	93.3	51-4	46-9	63.9	ŝ	<b>.</b>	100.3	9.111	128-6	178.6	205.8	1 <b>.</b> 62
A Paul Protecto	52.7	112.6	110.0	91-3	4-14	42-9	0°95	13-3	80.0	91.0	5-101	116.6	165-9	8-191	
	•		4-5	2.0	4-0	, 0-4	<b>5.9</b>	9.2	<b>.</b>	9-3	5.01	<b>०</b> -हा	1-21	18.0	5 R
Televis	•	1		•	,	·	ا		•	•	•	1	•	•	'
Testin, Westing Append and London Manufac	136.2	125.3	214.8	101.8	66.0	T X	67.3	8.2	<b>61.</b> 3	100.2	0'111	219-3	265-9	1.101	<b>18</b> .2
	1.21	1111	201-02	ŝ	3.4	[?a	41.8	72.6	46.7	7	62.3	133-8	162.1	<b>245.</b> 8	ŝ
				ģ			1.11	16.7		1.1(	6-X	21.9	2.5	¥.6	14.0
		2 3			5	17	3	3		9-6	3	Ŕ	12.5	19-9	7 <b>9</b> -2
	1	7	2.7	9-6	4.2	5-0	5.1	2.6	9-6	9-1	<u>9</u> .5	17.5	21.0	31.8	0 X
Mandatan & West Products Mail	×		1	1.61	9.14	Ŕ	27.8	26.9	2 <b>6</b> -85	0-26	36	4 <b>8</b> -9	112.7	125.2	12.3
1			<u>;</u>		;		;								
West and Cash Probably annys Persons	2.	2.7	2.3	2.8	1 <b>-9</b>	9. 9.	2.2	7	2.2	2°0	2.6 2	: : :		1	
	1-11	15-8	15.1	13.9	21.6	ž	3.6	ŝ	9.6 X	2	9-65	\$	0.{QI	-411	<u>,</u>
Hamborn of New and New Publics.			•			0,5	1.1	6.1	8.8	12.7	15-5	16.2	18.5	26.0	*
	2											Ì			
Paper and Products	6.0	1	<b>6-</b> 3	<b>7</b> 0	9.4	6.7	0.3	0.8	<b>9.</b> 0	: :	1-6	1-6	7	۲. ۲	7!4 7.1
	4.6	2.5	2.9	-	4:5	2	•	2	8.0	11.6	13-9	4	2.11	ê	Î
Mandalant of Chemical and Chemical															
Proteins. Cal., Mater of Parts. Protein	•	6-8	9-6	9-11	9-11	6-5	7-6	<b>8</b> .3	3 <b>6.6</b>	¥* 92	114	49.1	61.9	61.5	6 8 
	.	. 		.	.		.	.		۱.	.	•	,	•	•
Other Chemical Products	4.6	¶	4.0	9•6	10-5	4.2	6.5	9 <b>-</b>	19.0	2.2	2.0		42-9	2	<b>i</b>
	•	•		•	•	•	1	1	•	•	• .	•	•	• :	•
Mar. Paratan, Carl Press	•	•		•	•	•	•	•	•	•	•	•	•	.	•
	1	2.2	3	1-1	1.0	1.1	1	1.6	<b>.</b>	4-5	2	9-5 9	10.2	6.57	ī
The man and	0.1	0.2	0.3	0.3	6.9	0.6	0.7	6:	5.5	7.6	3	ĩ		7	1.51
Mandalow of Number & Mandalow												<b>-</b> ,			_
Products, Except Products of Provins	1		į			4	5	14.1	21.6	9°¥	<b>X</b> .2	ð. <b>6</b>	<b>36.</b> 2	•	31.5
3	5-92	1.62		t	ž			;	}						
Passay, data de	•	•	1	ı	,	•	•	•	•	•	•	•	•		•
	<b>13</b>	6.7	6.5	1.6	1.8	<b>8</b> .	2.2	÷.	2-4	، ا د ا	- - - -	, e , e , e			
Other New Meadle: Maarel Probats	2.2	18 <u>1</u>	20.6	2	2	3			1.12	2					
The New Totals	1.5	1.8	1.6	2:5	2	9 9 9	°.	11.1	ł	1.91	48.9			2	
	•	•	•	•	•	•	•	•	•	•	•	•	•	، ۱. ۱	' i
In Terms Made	1.5	2	9.0	ŝ	7	9	2	1.1	4		42.9	*		2.2	
Mandatana di Pabulanti Masil Probati,	51.6	16.5	22.6	12.5	20.2	29.1	£.3	5-14	1.6	61.8	72-3	<b>.</b>	127-5	<b>169.</b> 2	100
	16-8	9.7	11-0	6.7	12.6	6-62	1.W	36.5	14.7	X	<b>.</b> .	65-4	303-6	140.0	1.961
	1.7	1		5.5	1-6	1.1	2.0	ž	6.2		<b>j.1</b>	6.0	Ŧ	19-2	15.2
	1.1		10.1	2.3	0.0	2.3	3.7	3.0	1.2	9	5-9	9.0 9	9.6	11.0	0.11
	•			•	•	ı	•	,	ı		•	'		•	'
	•	•	•	• •	ı	ı		ı	•				•	•	'
PO Other Manufactures Industries	24	4:9	5.3		4.0	5.5	•	2.5	4-6		6.3	2.7	11.4	12.3	12.4
MANUFACTINGING TOTAL	1.91	318.6	416.1	253-6	190.5	191.3	0.96.5	305.6	367.2	5	\$59.0	634.1	N06.8	1 147.2	1 245.6
							;								

bable (G-14) __Burtha, Fr: Raine dated in the Frinch Barler Indentry, 1983-1977 (B. Billium at Garnet Frine)

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/ ]	ŝ	Ĭ	1965	1966	1961	<b>9</b>	1969	0461	1461	1972	5467	16	ĕ	Ķ	<b>H</b>
											ŝ			1	Ĩ
	•	•	•	1	5		i.	13.2	7 -					Į.s	
	5	2		Ţ	, and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	8				1.9	0.91	1	107.0	200.0	0.7
22. Totally Warring Assertional London	i	ŝ	2		Ī										
	•	I	•	106.6	162.0	176-4	163.4	1.65.7	7-602	19.2	0-62	2.108	519-3	4 <b>04</b> -6	14.4
271 Teatles	,	•		105.0	155.6	171.2	178.3	161.5	199.0	193.7	078	5-060	999-0	43-5	1-669
12 Vivring Agend, accel forther	•	•	•	3-2		9.0	4.1	1.0	3.7	5.5		6.7	8.6	10.0	121
		1	•	3	5.1. 2.	1	1.0	0.2	1.0	2.2	6.9	4-0	2.7	1:1	5.6
			•	•	•	•	•	•	•	•	- 1	•	•		•
22. Manufacture of Wood Products and															
		•	1	1-1	8.0	<b>C</b> -1	2 <b>.</b> 8	2-0	2 <b>-8</b>	0-6	0.1	4.0	1	6-9	ł
His West and Carl Protoch, anoph Paraban			•	, 1.1	8-0	(·1	2-8	2-0	2.8	3.0	0.1	•••	ĩ	6.9	7
265 Purchase and Purchase	1	•	•	•	•	•	•	•	•	١	•	•	•	•	•
X. Mundation of Page and Page Products.															
	•			0.1	9.6	0.B	9-6	1.1	2	1.0	7	1.1	ł	8.0	ç.9
N. Par of Parts		•	•	0-1	9°0	0°8	0.6	1.1		9	<b>4</b>	3	7	8°0	ę.2
Annual Prints		•	•	•	•	1	•	•	•	•	•	•	1	-	•
36. Manufacture of Chamberly and Chamberly						•									
Province, Casi, Radder and Partic	0-M	1.01	16.3	9.K	53-2	57.2	37.6	<b>44</b> -6	62.0	61.3	68.7	61.6	97-8	6-021-	1.116-
at the second framework in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s								,		3	3	0.61	X	8.9	5.8
	• •		••••	, 0.5	. 9	. 0.3	<b>9</b>	4-6	1.2	2	9	22	10.6	1.91	22.8
	1.0	10.1	Ţ,	18.2	· •	àt	2-2	911.9	51.0	35-0	4-64	42.0	2.2		\$1.0
H Me Turin Cal Paters	•		•		•	•	. 1		ı	ı			,	· •	: • •
M Reder Press	1		••••••• •	3.6	2.2	3.9	4.1 .	6.6	1.2		-	0.0	2.1	8.1	5.1
M Partic Profession of C	,	•	-	0.7	1.0	1.1	1.6	1.5	2.6	2.7	11	2 <b>.8</b>	2.6	2.9	2-5
AL Mandacture of Nea-Mandle Manual															
Products, Eacopy Products of Percebus		-										•.			
3	ı	•	1	1- <b>1</b>	12.6	2 <b>3</b> .0	23.5	¥0.6	29°2	29-2	<b>36.9</b>		1-1	14-5	1.1.1
Ri Pressy china an	1	•		•		•	•		•	•	•			•	,
MS Glass and Products	•		1	4.3	2.6	ę. ;	1.8	6.8	6.8	6-7		1.2	12-3	13.2	13.7
200 Other New-Metallic Mineral Preducts	•	• • • •	•••••••	6-6	0.1	1.91	13.7	23.8	21.7	21-5	1.4	1.64	7		1.621
JT. Bust Morel Industries	•	1				1	1	1		6°9	ž	5	<b>20.6</b>	15.6	9-6
		1	1	•		•	•			6.6	6-02	<b>4</b> -5	20.6	15.6	2.6
273 Non-Ferrors Metals	•	1	•	•	-	•	•	•	•	•	,	•	•	•	·
M. Mandacture of Fahricated Matal Products. Mechany and Equipment	•	 Г	1	10.8	Jo. J	9-2	19-4	22.9	23.6	0. <b>K</b>	9-96	9.69	1.001	0- 7àt	0-791
201 Matel Products, encode march			1												
	,	, ,	1	••5 ••5	0.8	1-5		2.6	2.66	5.6	1-6		5	54-0	<b>X</b>
MD Non-Decrical Mechany	, 1	1	•	5-5	2.	4-6	11.0	0.11	10.2	18.5	1.61	21.2	6-14	74.0	65.0
Md. Electrical Machinery	ı	•	1	4-8	4.2	. 1.6	0.2	1	10.8	5.9 .	1-91	80.8	- 25-6	69.0	76.0
264 Trumper Equipment	1	•	•	'	•	•			ı	1	ľ	•	" T   	•	•
Mit Protestimal Scientific goods otc.	1	,	1	-	-	1	•	-	-				1	1	,
A THE OTHER MANAGEMENT AND A THE OTHER		•	•			-			•	,	•			ı	,
3 MANUFACTURING TOTAL	30.1	65.6	<b>97.</b> 1	2 <b>44</b> -0	7.686	405.8	419-9	396.8	438.0	124-2	540.1	0.691 1	1.64	294.8	16.9
Restor: DCM, Britabion. • Adjuncted Data, See bart, Appendix C 91. Restructures of food, beneaugue, tobase	1			-			162.9	,	1.17.	195.4	1.714 1.714	24.2	26.9	Xe	Ĵ
yris row provise 35. Chemical, privilen, rubber & Flantis 353 Privolena rufiancies							3. S 3. S			9 F S				<b>1</b>	
5. Total Meenfacturing							430.2	1.661	336.2	5.46	761.5	Ĩ	2.66	1 314.6	1 640.0

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ment in Overall Newdestaring Indesiry. Milliem at Oursent Prioses)
P-16) Marten Capital Ismo
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	%	<b>L</b>	98	1969	0461	161	1972	1973	1974	1975	1976	1161	- <u></u>	
Taken	21.2	17.8	9-61	1.11	6.9	<b>7-6</b>	16-9T	16-9	118-5	112-5	336.3	396-8		
	30.6	17.8	11.6	8.7	4.9	6.8	10.3	5	63.0	9-62	<b>X</b> 5.J	376.7		
	•	•	9.0	8.0	1.1	8-0	1.6	4.6	11.8	. 7	8-2	15.7		
A There	0.6		1.2		6-0	2.1	5.0	4.0	43.7	21-5	24.8	4-4		
Tends, Weats, Append and Lanks			101	, a	77	19.0	11.2	31-1	1.161	31.5	430.9	442.1		
	Î								- 11		14.1	116.2		
		÷.	0.0	21-5	, 1 8			1-15 8-6	1-0-L	6.62		1.4	1	
			; ;	: }	1			1			T.GI	61.1		
	•••	• •	1.0		1.3		13	0.1	9.0	1.6	0.1	1.1	1	!
Annual Van Prints II.														
	0-1	1	•	•	0.1	8	0-2	• ••	1.2	5-9	0.6			
I West and Carls Products, categor Purchase	0.1	3		1	1.9	1.0	0.2	0.0	1-2	5-9	9-0	•	•	
President and Patron	•	•	•	1	•	•	•	,	•	1	•	'	_	
Mandalan d Para and Para Madala		1		•	0*0	0.0	0.0	0.0	0.1	137.0	14-3	0.2		w
						0		4	6	0 44	177	6.9		
	•	•	•		3.1	; ;	3	; •	; <b>·</b>	1	} [:] ,	•		
Noviem, Cost, Mitter and Platte	, ,	ŝ	8-11		2.11	79.7	16.1	12.1	219-7	1.6	5 <b>96</b> -0	1 013-4		
						112	1.0	5.0	6.4	1.12	37.65	419-0		
		; ·	50	5	1	6.1	3.2	1	12.0	51.0	32.5	4-9		
	0.8	\$5.0	25.3		4.6	9.6	1.5	2.4	1.99.1	5.952	77%2	531.0		 
	: 		•	1	•	•	•	•		•	•	•	•	•
		. <b>.</b>	0.2	51 -	<b>8.</b> 0	3	1.6	. 1-9	1.6	1-52	7.3	17.0	•	
B Prests Pretanto B. C.	•	•	0.1	0.2	0.8	2-1	2.8	1.6	1	5	2.2	5-1 		
Handhama d Non-Marille Manual Parties Trans Parties d Parties													•. •	
31	4.8	2.6	3.5	4.8	•	1.5	778	76	<b>96-9</b>	1.001	5.16	1X.0		
		.	•	.	.	•	•		•	•	•	•		
Case of Party	1-2	9-0	70			•	6.9	1.7	8-5	2.1	122.7	0.544		
B Other Name Street, Marriel Products	3.6	2.0	1.6	4-5		1 1-8	24.1	57.7	<u>.</u> 8	1-14	231.6	0"162	2.1	
Parts Martel Industries	0-0	1.3	1.6	1.9	4.0	7	3.5	2.7	6.9	1.21	9 9	80.0		
	0.0	5.3	1.6	6-1	4.0	3	3.5	2.7	6.9	1-21-1	109.0	80.0		
R. Raman Itali R. Raman d Patroni New Trens.		·  ]	-	• •			' <u>°</u>	- <b>- - -</b>	' 1	1 201	- S-S-R	514		
	2													
	0-2	0.1	51	2-8	5.2	۲. ۲	4-1	<b>8.</b> 6	Ţ	39.6	<b>19.</b> 0	1- X		
B Nur Brentin Manuary	1-8	6-7	1-5	2.6	0-1	6-5	6-0	3	ĝ	49-6	8	8.8 X		
	1.5	3.0	6-0	1.3	2.3	-	6.0	2.6	2.8	Г: <del>,</del> ,	8.2	6-11	+-	
M Thursday Reference	•	•	•	•	•	•	•	•		•	•	•	+	_
H Probusional Scientific goods and	•	•	'	'	•	. <b>.</b>	•	•	•	•	, 	•		
28 Other Mandaching Industries	•	•	•	•	•	•	•	•	•			•		
MANAPACTURES : TOTAL	1-33	195.J	<b>1</b> .	e.cr	5	72.9	5. <b>W</b>	142-8	0.109	1 577-7		2 147-0		

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CAPITAL INVESTMENT IN THE PRIVATE SECTOR INDUSTRY, 1968-1977, (SL MILLION AT CURRENT PRICES) Table No. C-17) SYRIA,

Dode Category	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
31 FOOD, BEVERAGES AND TOBACCO	1.3	2.6	1.9	1.9	2.3	3.8	1.61	10.8	-1-0	3.2
311/2 Food menufacturing	1.2	2.4	1.7	1.7	2.1	3.5	17.4	10.0	5.5	2.9
313 Beverages	0.1	0.2	0.2	0.2	0.2	0.3	1.7	0.8	0.6	0.3
314 Tobacco	•		1	•	•	•	1	•	•	1
TEXTLU	0.9	2.1	9.1	6.5	3.1	6.11	7.7	20.9	8.6	13.7
321	0.5	1.3	6.6	3.6	1.8	6.7	4.7	12.9	5.3	8.5
	0.2	0.5	٦.6	2.1	6.0	3.7	2.0	5.4	2.2	3.5
323 Leather products	1.0	0.1	0.4	0.2	0.1	0.5	0.4	1.0	0.4	0.6
324 Pootwear	ריס	0.2	0. S	0_6	0.3	סיו	0.6	1.6	0.7	וו
WOOD AND	•	1	1	1	1	1	1	1	1	1
331 Wood and cork	1	•	•	•	•	•	•	•	•	•
332 Furniture and Extures	•	1	1	1	1	1	1	1	1	1
PAPER, PAPER PRODU	1	1	1	1	1	1	1	1	1	1
341 Paper and Paper products	•		1	1	1	1	1	1	1	1
Printing and publishing	•	1	•	1	1	1	1	ı	1	1
SOLEU	0.8	2.0	1.3	2.5	4.5	3.8	9.8	9.4	14.5	9.1
351/2 Chemical products	0.5	1.7	0.9	1.8	3.2	2.7	6.9	6.5	9.9	6.2
353 Petroleum refinery	1	•	1	•	1	1	1	•	•	1
	1	•	•	•	•	•	1	•	•	•
	0.2	0.1	°.	4.0	0.7	0.6	1.6	1.5	2.4	1.5
356 Plastic products, n.e.c.	1.0	0.2	0.1	0.3	0.6	0.5	1.3	1.4	2.2	1.4
	•	•	1	1	1	1	1	1	1	1
2	1	1	1	1	1	•	1	1	1	1
362 Giase and glass products	1	•	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	1
BASIC METAL INDUSTRIES	1	1	8	1	1	1	8	8	1	1
37] Iron and steel basic industrise	•	1	1	1	8	1	1	1	1	1
372 Non-ferrous metal basic industries	•	•	1	•		•	•	1	1	1
36 FABRICATED METAL PRODUCTS, MACH. & EQUIPMENT	1.5	2.6	5.3	••	4.2	9.9	10.4	1,.1	30.4	<b>26.5</b>
381 Fabricated metal products except mach. & equipment	1.2	2.1	4.3	3.2	3.4	8.0	8.4	15.5	24.5	2.2 2
382 Non-electrical machinery	0.2	0.3	0.6	0.5	0.4	1.1	1.2	2.2	3.7	2.8
383 Electrical machinery. appliances	0.1	0.2	••	0.3	<b>*•</b> 0	0.8	0.8	1.4	2.2	<b>2.</b> 2
Transport equipment	1	1	1	1	•	1	1	1	1	1
385 Professional & acientific control equipment	1	•	1	•	•	•	•	1	•	•
39 OTHER MANUFACTURING INDUSTRIES	•	I	1	1	•	•	•	1	-	•
	4.5	9.3	17.6	14.9	14.1	29.4	47.0	<u></u>	59.6	52.5

Source: ECMA estimates. V Capital investment data in the private sector was available only for the 2 digit ISIC. The data for the 3 digits presented in the table are estimates darived by distributing each 2-digit figure to its corresponding 3 digit classes in the same proportions of GTA values for each year.

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These (C-10) Agrie, Capital investment in the Public Sector Industry, 1966-1977 [51 Million at Current Prices] •

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HC         Control         Signal         Signal <th>1972         1972         1972           11.4         14.6         13.11           11.4         4.6         13.11           11.4         4.6         13.11           11.4         4.6         13.11           11.5         5.0         0.1           0.2         0.1         25.2           0.3         0.1         25.2           0.4         0.0         0.0           0.0         0.0         0.0           1.6         1.6         1.6           1.6         0.1         25.2           1.6         0.0         0.0           0.0         0.0         0.0           1.6         0.1         0.5           1.6         1.6         1.6</th> <th>1974 1974 1975 1975 1975 1975 1974 1974 1974 1974 1974 1974 1974 1974</th> <th>1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 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  1.6         1.6           1.6         0.1         25.2           1.6         0.0         0.0           0.0         0.0         0.0           1.6         0.1         0.5           1.6         1.6         1.6	1974 1974 1975 1975 1975 1975 1974 1974 1974 1974 1974 1974 1974 1974	1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 1975 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193-6 293-8 373-8 21-6 4-1 21-1 4-1 233-0 257-7 333-0 257-7 24-3 0-2 14-3 0-2 14-3 0-2	
$21.2$ $17.6$ $17.1$ $10.6$ $6.1$ $3.5$ $5.0$ $7.8$ $7.8$ $70.6$ $17.8$ $10.6$ $6.1$ $3.5$ $5.0$ $7.8$ $5.1$ $0.6$ $0.5$ $0.5$ $0.6$ $0.9$ $0.6$ $0.9$ $0.6$ $0.6$ $  1.2$ $1.2$ $0.1$ $12.5$ $11.2$ $M_1$ $4.5$ $9.5$ $70.7$ $M_1$ $12.5$ $21.4$ $M_1$ $0.4$ $                                                      -$					
$\infty 6$ 11.6       10.6       6.1       3.2       5.1 $0.6$ -       1.2       1.6       0.9       0.6 $M.1$ 4.5       9.5       0.6       0.9       0.6 $M.1$ 4.5       9.5       0.6       0.9       0.6 $M.1$ 4.5       9.5 $\infty 7$ $M.1$ 12.5       1 $M.1$ 4.5       9.5 $\infty 7$ $M.1$ 12.5       1 $M.1$ 0.4 $                                                          -$ <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$					
$\begin{array}{cccccccccccccccccccccccccccccccccccc$					
W.1.3       4.5       9.5       70.7       W.13       12.5         W.13       4.5       9.5       70.7       W.13       12.5         N.1       4.5       9.5       70.7       W.13       12.5         N.1       0.4       1       1       1       1       1         N.1       0.4       1       1       1       1       1         N.1       0.4       1       1       1       1       1       1         N.1       0.4       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1					
H.1     +5     9.5     70.7     H.1     17.1       -     -     -     -     -     -       -     -     -     -     -     -       -     -     -     -     -     -       -     -     -     -     -     -       -     -     -     -     -     -       -     -     -     -     -     -       -     -     -     -     -     -       -     -     -     -     -     -       -     -     -     -     -     -       -     -     -     -     -     -       -     -     -     -     -     -       -     -     -     -     -     -       -     -     -     -     -     -       -     -     -     -     -     -       -     -     -     -     -     -       -     -     -     -     -     -       -     -     -     -     -     -       -     -     -     -     -     -       -     -					
0.1     0.4     1     0.4       0.1     0.4     1     0.4       0.1     0.4     1     0.4       1     0.4     1     0.4       1     0.4     1     0.4       1     0.4     1     0.4       1     0.4     1     0.4       1     0.4     1     0.4       1     0.4     1     0.4       1     1     0.4     1       1     1     1     0.4       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1    <			84-5 1-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2		
0.1     0.4     -     -     0.1       0.1     0.4     -     -     0.1       0.1     0.4     -     -     0.1       0.1     0.4     -     -     0.1       0.1     0.4     -     -     0.1       1.1     0.4     -     -     0.1       1.1     0.4     -     -     0.1       1.1     1.5     5.1     1.5     2.4       1.1     1.5     1.5     2.4     2.4       1.2     1.3     1.5     2.4     2.4       1.3     1.3     1.5     2.4     1.4       1.3     1.4     1.5     2.4     1.4       1.3     1.4     1.5     2.4     1.4       1.3     1.4     1.5     2.4     1.4       1.4     1.5     1.5     2.4     1.4       1.3     1.4     1.5     2.4     1.4       1.4     1.5     2.4     1.5     2.4       1.5     1.4     1.5     1.4     1.4       1.4     1.5     1.5     1.4       1.5     1.4     1.5     1.4       1.5     1.5     1.5     1.4       1.5			х 6 6 - 6 0 0 - FT		
0.1     0.4     -     -     0.1       0.1     0.4     -     -     0.1       1     0.4     -     -     0.1       1     0.4     -     -     0.1       1     0.4     -     -     0.1       1     1     0.4     -     0.1       1     1     1     -     0.1       1     1     1     -     0.1       1     1     1     1     0.1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1					
0.1     0.4     -     -     0.1       0.1     0.4     -     -     0.1       1     0.4     -     -     0.1       1     0.4     -     -     0.1       1     0.4     -     -     0.1       1     1     1     1     0.0       1     1     1     1     0.0       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1			5.9 5.9 - 117.0		
0.1     0.4     -     -     0.1       0.4     -     -     -     0.1     0.1       1     -     -     -     -     0.1       1     -     -     -     -     0.1       1     -     -     -     -     0.1       1     -     -     -     0.0     0.0       1     -     -     -     0.0       1     -     -     -     0.0       1     -     -     -     0.0       1     -     -     -     0.0       1     -     -     -     0.1       1     -     -     -     0.1       1     -     -     -     0.1       1     -     -     -     0.1       1     -     -     -     0.1       1     -     -     -       1     -     -     -       1     -     -     -       1     -     -     -       1     -     -     -       1     -     -     -       1     -     -     -       1     -     -			5.9 - 137.0		
Z3:     T.1     4.0     2.1     1.9     3.2       Z1:     Z2:     T.1     4.0     2.1     1.9     0.0       Z1:     Z2:     T.1     4.0     2.1     1.9     3.2       Z1:     Z2:     T.1     4.0     2.1     1.9     3.2       Z1:     Z2:     1     4.0     2.1     1.9     3.2       Z1:     Z2:     1     1.9     3.2     1.4       Z2:     1     1.9     3.1     1.9     3.2       Z1:     1     1.9     3.1     1.9     3.1       Z2:     1     1.9     3.1     1.9     3.1       Z1:     1     1.9     3.1     1.9     3.1       Z2:     1     1.9     3.1     1.9     1.1       Z2:     1     1.9     1.9     1.9     1.1       Z2:     1.1     1.1     1.1     1.1     1.1       Z3:     1.1     1.1     1.1     1.1     1.1       Z4:     1.1     1.1     1.1     1.1     1.1       Z4:     1.1     1.1     1.1     1.1     1.1       Z4:     1.1     1.1     1.1     1.1     1.1    <			- 131.0		n oraș în area area area area area area area are
1     1     1     1       1     1     1     1     0       1     1     1     1     0       1     1     1     1     0       1     1     1     1     0       1     1     1     1     0       1     1     1     1     0       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1       1     1     1       1     1     1       1     1     1       1     1       1     1       1     1 <t< td=""><td></td><td></td><td>0- 721</td><td></td><td></td></t<>			0- 721		
Z:5     T1:3     4:0     7:1     3:2     1       Z:5     T1:3     4:0     7:1     3:5     1       Z:1     Z:1     3:1     3:1     3:2     3:2       L     Z:1     3:0     3:1     3:5     3:2       L     Z:1     3:5     3:1     3:5     3:2       L     Z:1     3:5     2:14     3:14       L     D:0     2:1     1:5     3:2       L     D:0     2:1     1:5     3:2       L     D:0     0:1     1:0     0:1       L     D:0     D:1     1:0     0:1			0-151		
Z:     T:     Z:     T:     Z:     Z:       Z:     T:     Z:     S:     S:     S:     L       Z:     Z:     S:     S:     S:     S:     L       Z:     Z:     S:     S:     S:     S:     S:     L       Z:     Z:     S:     S:     S:     S:     S:     L       L:     Z:     S:     S:     S:     S:     S:     L       L:     Z:     S:     S:     S:     S:     L     L       L:     S:     S:     S:     S:     S:     L     L					
Z:5     Tr.1     4:0     Z:1     15:9     Z:2     1       Z:1     Z:1     4:0     Z:1     15:6     5:2     24.4       0.0     5:0     Z:1     15:6     5:2     24.4       0.1     2:6     3:1     4:6     3.6       0.1     2:6     3:5     4:6     3.6       1.2     2     2     2       0.1     2:6     3:5     4:6     3.6       1.2     2:6     3:5     4:6     3.6       1.2     2:6     3:5     4:6     3.6       1.2     2:6     3:5     4:6     3.6       2.4     3:5     4:6     0.7     0.7       2.5     3:5     4:6     0.3     1.6       2.6     3:1     1.6     1.9     1.6       0.1     1.1     1.6     1.1     1.6       0.0     1.1     1.6     1.6     1.6       0.1     1.1     1.6     1.6			ı		
Z:5       T.1       4:0       7:1       4:0       7:1       3:1       3:2       3:1         Z:1       Z:1       J:1       J:1       J:1       3:1       J:1       3:1       J:1         Q:0       J:1       J					
21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     22-1       21-1     23-1       21-1     23-1       21-1     23-1       21-1     23-1 <t< td=""><td></td><td></td><td></td><td>JB1-5 1 0001.3</td><td></td></t<>				JB1-5 1 0001.3	
1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1 <td></td> <td></td> <td>2-12</td> <td>57.6 419.0</td> <td></td>			2-12	57.6 419.0	
2     3     3       2     3     3       3     3     3       4     4     4       5     4       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1       1     1        1     1 </td <td></td> <td>1.</td> <td></td> <td>42.6 38.7</td> <td>• ·</td>		1.		42.6 38.7	• ·
4.6     1.1     1.6     0.3       4.6     2.6     3.5     4.8     0.3       1.1     0.4     0.3     1.8     0.3       1.1     0.4     0.3     1.8     0.3       1.1     1.4     1.9     1.9     0.3       0.0     1.1     1.4     1.1     0.3       0.0     1.1     1.4     1.1       0.1     1.1     1.4     1.1       0.1     1.1     1.4     1.1       0.1     1.1     1.4     1.1       1.1     1.4     1.1     1.4       1.1     1.4     1.1     1.4	•		: ;:	0-115	-4. 
4.6     2.6     3.5     4.8       1.1     2.6     3.5     4.8       1.2     2.6     3.5     4.8       1.3     2.6     3.5     4.8       1.4     2.6     3.5     4.8       1.5     2.6     3.5     4.8       1.1     2.6     3.5     4.8       1.1     1.4     4.5     1.4       1.1     1.4     4.5     1.4       1.1     1.4     1.9     1.4       1.1     1.4     1.9     1.4	•	• .		-	• • • •
0     0     0     0     0     0       1     1     1     1     1     0     0       1     1     1     1     1     1     0       1     1     1     1     1     1     0       1     1     1     1     1     1     0       1     1     1     1     1     1     0       1     1     1     1     1     1     0       1     1     1     1     1     1     0       1     1     1     1     1     1     0       1     1     1     1     1     1     0       1     1     1     1     1     1     0       1     1     1     1     1     1     0       1     1     1     1     1     1     0       1     1     1     1     1     1     0       1     1     1     1     1     0     1       1     1     1     1     1     1     0       1     1     1     1     1     1       1     1 <td></td> <td>•</td> <td></td> <td></td> <td><b>.</b></td>		•			<b>.</b>
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1:     0.6     0.4       1:     0.6     0.4       0:     1.1     1.4       0:     1.1     1.4       0:     1.1     1.4       0:     1.1     1.4       0:     1.1     1.4       0:     1.1     1.4       0:     1.1     1.4       0:     1.1     1.4       0:     1.1     1.4       0:     1.1     1.4       1:     1.1     1.4       1:     1.1     1.4       1:     1.1     1.4       1:     1.1     1.4       1:     1.4     1.4	1		.		
14 15 15 15 15 15 15 15 15 15 15	0.3 1.7	- <b>6-9</b>	2.2	0-244 1-221	
000 1.1 1.6 1.9 4.0 0.4 1.9 4.0 0.4 1.9 4.0 0.4 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	ł	ł	1	ĺ	
0.0 1.3 1.4 1.9 4.0 <b>6.4</b>	3-5 2-7	0.3		0.05 0.001	+
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ALANUACTUMMIC TOTAL 66.4 105-3 73-3 64.6 42.1 55.0 7	1-01 I-01	T 0-166	511-5-TIS	10-13 2 695-3	
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Industry,	
Manufacturing	(of Million of Geneters Theirs 1070
n Overall	
Investment in	CT KLIN TO
Capital	
Table C-19 Syria,	

1200-1977,		
Trives ment in overall ramia or turing industry, 1900-19/7	(SL Million at Constant Prices 1970 = 100)	
Ten Iden		
2 partas		

ISIC Co <b>de</b>	Category	1966	1961	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
ч	FOOD, BEVERAGES AND TOBACCO	32.2	21.6	16.7	12.6	6.9	9.4	16.3	16.4	108.5	1.06 1.06	266.2	270.7
311/2	Food manufacturing	31.2	21.6	14.5	9.6	4.9	6.6	9.9	8.1	57.8	63.8	240.2	257.0
313	Вечегадев	ł	ł	0.7	6•0	1.1	0.8	1.5	4.5	10.8	4.3	6.5	10.7
314	Tobacco	1.0	I	1.5	1.8	0.9	2.0	4.8	3.9	40.0	22.0	19.5	3.0
32	TEXTILE, WEARING APPAREL AND LEATHER	17.1	4.4	7.6	22.9	23.4	15.3	13.9	26.6	68.5	187.9	224.0	210.7
321	Textiles	17.1	4.4	9.3	22.1	20.9	12.6	12.2	22.3	60.7	159.3	186.2	160.2
322	Vesting apparel	ł	ł	0.2	0.5	1.6	1.7	1.1	2.7	3.6	17.5	27.8	20.8
323	Leather products	ł	ł	0.1	0.1	0.4	0.4	0.3	0•0	4.0	10.2	9•6	29.1
324	Footwear	ł	I	0.1	0.2	C•5	0.5	0.2	0.7	6.0	0•9	0.4	0•5
33	VOOD AND VOOD PRODUCTS	0.1	0.4	ł	ł	0.1	0.1	1.6	0•6	0.6	2.3	0.2	ł
331	Vood and corts	0.1	0.4	I	ł	1.0	0.1	1.6	0.6	0.6	2.3	0.2	ł
332	Furniture and fixtures	I	ł	ł	ł	ł	ł	ł	ł	ł	ł	ł	ł
X	PAPER, PAPER PRODUCTS, PRINTING AND PUBLISHING	ı	ł	I	t	0.0	0.0	0.0	0•0	0.1	81.5	6.8	0.1
341	Paper and Paper products	ł	ł	ł	ł	0.0	0.0	0.0	0.0	<b>1.</b> 0	81.5	6.8	0.1
342	Printing and publishing	ł	t	ł	ł	ł	ł	I	ł	ł	ł	ŧ	ł
35	CHEMICAL, PETROLEUM, PUBBER & PLASTIC PRODS.	19.2	55.2	29.9	28 <b>. B</b>	17.2	21.0	15.3	8 <b>.</b> 6	142.3	428.5	350.2	430.9
351/2	Chemical products	18.5	15.9	12.8	18.4	11.2	17.0	9.7	3.4	10.9	226.3	182.2	197.2
353	Petroleum refinery	0.7	39.3	16.9	10.1	4.6	2.8	1.4	1.7	129.3	153.3	150.6	225.8
354	Misc. products of petroleum & coal	İ	ł	ł	ł	ł	ł	ł	ł	I	ł	ł	I
355	Rubber products, n.e.c.	ł	I	1.0	1.0	0.8	0.3	1.5	1.3	1.0	45•6	16.0	7.2
356	Plastic products, n.e.c.	ł	ł	0.1	0.2	0.8	0.9	2.7	2.2	0•9	3•2	1.3	0•6

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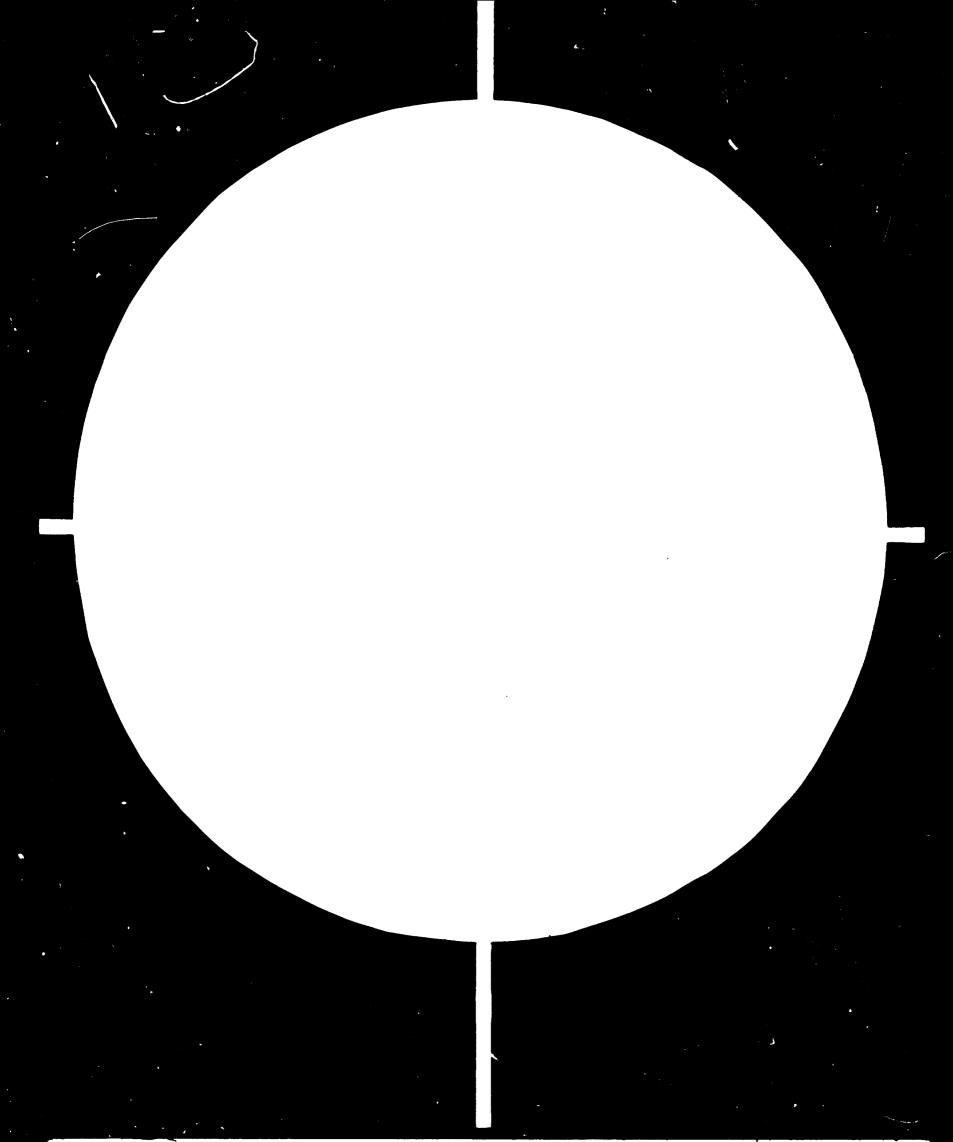
Capital Investment in Overall manufacturing industry, 1966-1970,	(SL Million at Constant Prices 1970 = 100)
Syria,	
Table C-19 (Cont'd.)	

6         NCK-FETAILITC MILERAL FRONUCTS $6.8$ $3.1$ $4.1$ $5.1$ $-1$ $0.2$ $4.1$ $50.1$ $14.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$ $30.1$	ISIC Code	Category	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Pottery, chine, earthenware         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	8	1	6.8	3.1	4.1	5.1	8	1.4	20.2	41.4	58.5	102.1	144.1	301.3
Glass and glass products       1.7       0.7       0.5       0.3       -       -       0.2       1.2       5.0       18.5       49.9       181.9         Other non-metallic mineral products       5.1       2.4       3.6       4.7       -       1.4       20.0       40.2       5.5       83.6       94.2       119.5         RASIC METAL INDUSTRIES       0.0       1.9       1.8       2.7       4.0       2.4       1.1       0.5       0.1       3.2       28.2       20.8         RASIC METAL INDUSTRIES       0.0       1.9       1.8       2.7       4.0       2.4       1.1       0.5       0.1       3.2       28.2       20.8         Teron andisteel basic industries       0.0       1.9       1.8       2.7       4.0       2.4       1.1       0.5       0.1       3.2       28.2       20.8         Non-ferrous metal basic industries       0.0       1.1       3.1       4.8       13.3       32.3       73.5       99.0       5.5       6.6       5.6       5.7       5.0       17.6       2.6       5.6       5.6       5.6       5.6       5.6       5.6       5.6       5.6       5.6       5.6       5.6       5.6 <td><u>3</u>61</td> <td>Pottery, china, earthenware</td> <td>1</td> <td>ı</td> <td>ı</td> <td>ı</td> <td>1</td> <td>I</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td>	<u>3</u> 61	Pottery, china, earthenware	1	ı	ı	ı	1	I	1	1	1	1	1	1
Other non-metallic mineral products       5.1       2.4 $5.6$ $4.7$ -       1.4 $20.0$ $40.2$ $53.5$ $83.6$ $94.2$ $119.5$ BASIC METAL INDUSTRIES       0.0       1.9       1.8 $2.7$ $4.0$ $2.4$ $1.1$ $0.5$ $0.1$ $3.2$ $29.2$ $20.8$ Iron and: steel basic industries       0.0       1.9       1.8 $2.7$ $4.0$ $2.4$ $1.1$ $0.5$ $0.1$ $3.2$ $29.2$ $20.8$ $20.8$ Non-ferrous metal basic industries       0.0       1.9       1.8 $2.7$ $4.0$ $2.4$ $1.1$ $0.5$ $0.1$ $3.2$ $29.2$ $20.8$ $20.8$ Non-ferrous metal basic industries       0.4       0.1 $1.7$ $3.1$ $5.2$ $30.1$ $30.5$ $30.5$ $30.5$ $30.5$ $30.5$ $30.6$ $37.3$ $51.9$ $17.2$ $20.8$ Reprintent       0.4       0.1 $1.7$ $3.0$ $0.7$ $2.6$ $4.6$ $30.5$ $51.9$ $30.7$ $51.9$ $31.2$ $51.9$	362	Glass and glass products	1.7	0.7	0.5	0.3	ı	1	0.2	1.2	5•0	18.5	49.9	101.9
Restrict metric industries         0.0         1.9         1.8         2.7         4.0         2.4         1.1         0.5         0.1         3.2         28.2         20.3         20.3           Iron and steel basic industries         0.0         1.9         1.8         2.7         4.0         2.4         1.1         0.5         0.1         3.2         28.2         20.3           Non-ferrous metal basic industries         0.0         1.9         1.8         2.7         4.0         2.4         1.1         0.5         0.1         3.2         28.2         20.3           PLERICATED METAL FRODUCTS, MACH. AND BOUTHERT         6.2         2.0         4.5         7.5         8.1         4.8         1.3         32.3         73.5         99.0         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5         59.5	369	Other non-metallic mineral products	5.1	2.4	3.6	4.7	1	1.4	20.0	40.2	53.5	83.6	94.2	119.5
Tron and steel basic industries         0.0         1.9         1.8         2.7         4.0         2.4         1.1         0.5         0.1         3.2         28.2         20.8           Non-ferrous metal basic industries         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	37	BASIC METAL INDUSTRIES	0.0	1.9	1.8	2.7	4.0	2.4	1.1	0•5	0.1	3.2	28.2	20.8
Non-ferrous metal basic industries         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	371	Iron and steel basic industries	0.0	1.9	1.8	2.7	4.0	2.4	1.1	0•5	0.1	3.2	28.2	
F/ERICATED METAL PRODUCTS, MACH. AND BQUITMERT         6.2         2.0         4.5         7.5         8.1         4.8         13.3         32.3         73.5         99.0         52.3           BQUITMERT         6.2         2.0         4.5         7.5         8.1         4.8         13.3         32.3         73.5         99.0         52.3           Fabricated metal products except machinery and equipment         0.4         0.1         1.7         3.1         5.2         3.0         3.4         7.9         18.9         30;         35.0         23.6           Non-electrical machinery         37.1         5.2         3.0         0.7         0.7         3.0         10.6         37.3         51.9         17.2           Non-electrical machinery         37.1         1.7         3.0         0.7         2.4         2.9         11.0         12.1         12.1           Non-electrical machinery         37.1         1.5         2.3         1.3         0.7         2.4         2.9         11.0         12.1         12.1           Transport equipment         -         -         -         -         -         -         -         -         -         -         -         -         -<	372	Ncn-ferrous metal basic industries	1	1	I	ı	I	1	I	I	ı	1	1	
Fabricated metal products except machinery and equipment         0.4         0.1         1.7         3.1         5.2         3.0         3.4         7.9         18.9         30.4         35.0           Non-electrical machinery         3.2         1.0         1.7         3.0         0.7         0.5         0.7         3.0         37.3         51.9           Non-electrical machinery, appliances         2.6         0.2         1.0         1.5         2.3         1.3         0.7         3.0         37.3         51.9           Rectrical machinery, appliances         2.6         0.2         1.0         1.5         2.3         1.3         0.7         2.4         2.9         11.0         12.1           Transport equipment         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -<	38	FARICATED METAL PRODUCTS, MACH. AND BOULPMENT		2•0	4.5	7.5	8.1	4.8	4.8	13.3	32.3	73.5	0•66	52.3
Non-electrical machinery         3.2         1.0         1.7         3.0         0.7         3.0         10.6         37.3         51.9           Electrical machinery, appliances         2.6         0.2         1.0         1.5         2.3         1.3         0.7         2.4         2.9         11.0         12.1           Transport equipment         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	361	Fabricated metal products except machinery and equipment	0.4	0.1	1.7	3.1	5.2	3.0	3.4	7.9	18.9	30.5	35•0	
5       Electrical machinery, appliances       2.6       0.5       1.0       1.5       2.3       1.3       0.7       2.4       2.9       11.0       12.1         1       Transport equipment       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -<	382	Non-electrical machinery	3.2	1•0	1.7	3•0	0.7	0.5	0.7	3.0	10.6	37.3	51.9	17.2
Transport equipment       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -	383	Electrical machinery, appliances	2.6	ن. 0	1.0	1.5	2.3	1.3	0.7	2.4	2.9	11.0	12.1	12.1
5       Professional & scientific control       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -	384	Transport equipment	1	1	1	1	1	1	1	1	I	1	1	1
OTEER MARUFACTURING INDUSTRIES	95	Professional & scientific control equipment	t	I	1	I	1	I	1	ı	ł	1	I	1
TOTAL MANUFACTURING 81.6 88.5 66.7 79.6 59.7 54.4 73.2 105.8 411.0 97.01 1113.7	39	OTHER MANUFACTURING INDUSTRIES	1	1	1	ĩ	1	1	î	t	1	1	1	1
	m	TOTAL MANUFACTURING	81.6		66.7	79.6	59.7	54.4	73-2	106.3	0.114	1-115	1113.7	1285.0

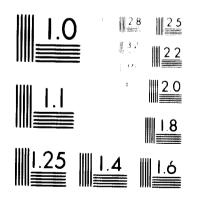
Source: Calculations are based on tables C-15 appendix C and table D-3 Appendix D







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MICROCOPY RESOLUTION TEST CHART.

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24* D Table C-20 Syria, Capital Investment in the Private Sector Industry, 1968-1977, (SL million at constant prices 1970=100)

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ISIC		0701	0701	0201	1.001	0201	2701	A FOL	1075	7076	
Code	uategory	8	1067	2167	7712	7716		+2/4			
え	FOOD, HEVERAGES AND TOBACCO	1.60	2.95	1.9	1.84	1.77	3.69	17.49	8.65	4.80	2.18
311/2	311/2 Food menufacturing	1.48	2.72	1.7 .	1.64	1.62	3.40	15.93	8.01	4.33	1.98
313	Беvегадев	0.12	0.23	0.2	0.19	0.15	0.29	1.56	0.64	0.47	0.20
314	Tobacco	I	I	ı	1	I	I	I	1	ł	I
32	TEXTILE, 'EARING APPAREL AND LEATHER	0.84	2.20	9.1	5.23	2.51	8.54	3.93	12.21	4.47	6.53
321	Textiles	0.47	1.36	6.6	2.90	1.46	1. 31	2.40	7.54	2.75	4.05
<b>32</b> 2	Vearing apparel	61.0	0.52	1.6	1.69	0.73	2.65	1.02	3.16	1.14	1.67
323	Leather products	60.0	0.10	0.4	0.16	0.08	0.36	0.20	0.58	0.21	0.29
324	Footwear	60.0	0.21	0.5	0.48	0.24	0.72	0.30	0.94	0.36	0.52
33	MOOD FND MOOD BRODDCES	ı	ł	1	I	I	ı	1	ı	I	1
331	¹ ood and cork	ı	ı	I	ł		I	ı		ł	ı
332	Furniture and fixtures	I	I	1	I	I	I	ł	I	I	I
X	PLPER, PLPER PRODUCTS, PRINTLUC LAD PUBLISHING	I	I	ı	ı	ı	I	ł	ı	ł	ł
192	Paper and Paper products	I	I	I	1	I	I	I	1	I	1
342	Printing and Fublishing	1	ı	I	1	I	I	I	ı	ł	I
35	CHLETICAL, PETROLEUM, RUBEER AND PLASTIC PROLUCTS	0.53		1.3	1.83	4.28	2.69	6.35		8.52	
351/2	351/2 Chamical products	0.33	1.81	0.9	1.32	3.04	1.91	4-47	3.95	5.82	2.64
353	Fetroleum refinery	I		I	ł	8	1	1		I	
354	litsc. products of petroleum and coal	ı		1	I	8	I	ł			
35.J	Rubber products, n.e.c.	0.13	0.11	0.3	0.29	0.67	0.42	1.04			
356	Plastic products, n.e.c.	Lc.o	0.21	0.1	0.22	0.57	0.35	0.84			

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1968-1977.
1970-100
e Sector nt Prices
the Private S at Constant
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Investment in (SL Millio
Capital
Syria,
(Cont'd.)
Table C-20 (Cor

ISIC Code	Category	1968	1969	1970	1771	1972	1973	1974	1975	1976	1977
8	NON-FETALLIC FILMERIL PRODUCTS	1	ı	•	•	•	1	•	•	•	•
351	Pottery, china, earthemare	ı	I	•	I	•	•	I	I	I	ı
295	362 Glass and glass products	I	I	I	ı	1	I	I	•	I	ı
<b>3</b> 69	Other non-metallic mineral products	1	I	•	ı	ı	I	ı	ı	•	ı
37	BASIC METAL INDUSTRIES	I	I	ı	ı	ı	I	•	ı	ı	ı
371	Iron and steel basic industires	ı	I	1	ı	ı	I	I	I	1	ı
372	Non-ferrous metal basic industries	ı	•	ı	ı	ı	I	ı	ı	ı	ı
R	FAIRICATED HETAL PRODUCTS, MACHINERY AND EQUIPMENT	1.74	2.92	5.3	3.67	3.45	9.05	10.71	14.65	18.18	17.02
381	Fabricated metal products except machinery and equipment	1.39	2.36	4.3	2.94	2.79	7		11.89	14.65	13.62
382	Non-electrical machinery	0.23	0.33	0 6	0.46	0.35	<b>ا.</b> د.	23	1.69	2.21	1.89
383	Electrical machinery, appliances	0.12	0.22	Q.4	0.28	0.33	0.73	0.82	1.07	1.32	1.60
384	Transport equipment	ı	ı	ı	I	I	ı	I	I	I	ı
305	Professional & scientific control equipment	I	I	•	1	•	•	I	I	I	ı
<b>5</b> 6	OFHER MANUFACTURING INDUSTRIES	ı	I	•	I	ı	ı	I	I	I	ı
m	TOTAL MANUFACTURING	4.7	10.2	17.6	17.6 12.58 12.01	12.01	23.97	<b>38.4</b> B	41.22	35.97	29.60

Source: calculations are based on tables C-17 appendix C and D-3 Appendix D.

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		(SL million		at Constant Prices 1970=100)	Prices	1970=10	6						
ISIC	Category	1966	1961	1968	1969	1970	161	1972	1973	1974	1975	1976	1977
	THE TRAVELACES AND TOPACCO	32.17	21.58	15.15	9.65	5.0	7.54	14.17	12.73	91.03	81.49 2	261.37	268.49
7		31.26	21.58	13.05	7.15	3.2	4.93	7.96	4.66	41.16	55.77 2	235.88	<b>255.</b> 00
311/2	311/2 FOOD METHING CHIEFING			0.61	0.68	6.0	0.53	1.36	4.18	9.25	3.69	5.98	10.50
313	Beverages		Ì				5 C	4. <b>85</b>	<b>3</b> , 89	40.02	22.04	19.51	3.00
314	Tobacco	0.91	I	1.40	70 · T	~ • •							
0	NEWTITE VEARING APPAREL AND LEATHER	17.06	4.38	8.88	20.73	14.3	10.06	11.44	18.08	64.56 1	175.69 2	219.49	204.19
		17.06	4.38	8.88	20.73	14.3	9.74	10.79	17.50	58.22 ]	151.72 1	183.47	156.20
12(		•		ł	ı	I	I	0.41	0.07	2.55	14.32	26.67	19.16
225	TATRÍA BUTTE	I	1	•	I	ł	0.24	0.24	0.05	3.78	9.64	9.36	28.84
525	Learner products	I			I	I		1	1	I	I	ł	I
324	Footweer	1	I	1	1	I	I						
22	WOOD AND MOOD PRODUCTS	0.1	0.38	I	ı	۲.0	0.1	0.16	0.0	0.59	2.30	0.22	-
	Wood and corts	0.1	0.38	1	I	0.1	0.1	0.16	0.0	0.59	2.30	0.22	271 •
- 11 - 11 - 11	Firmiture and firtures	I	I	I	I	I	I	I	1	I	I	I	-
))													
¥	PAPER, PAPER PRODUCTS, PRINTING AND PRELISHING	I	I	I	I	0.0	0.0	0.0	0.0	0.07	81.50	6.80	0.10
341	Parer and Paper products	I	1	1	I	0•0	0.0	0.0	0.0	0.07	81.50	6.80	0.10
342	Printing and publishing	I	ł	I	I	1	I	I	I	I	1	ı	!
35	CHEMICAL, PETROLEUM, RUBBER AND PLASTIC DROMETICS	IC 19.23	55.17	29.33	26.70	15.9	19,15	<b>40.11</b>	5.87	5.87 135.95	433.77	341.7	427.60
351/2	sti//2 Chemical products	18.55	15.92	12.47	16.60	10.3	15.7	6.66	1.49	6.48	222.34 176.4		:19 <b>4.</b> 60
353	Petroleum refinery	0.68	39.25	16.87	11.01	4.6	2.78	1.43	1.70	129.34	153.31	150.6	2225.8
N C N	Nien mundincta of netroleum & coel	I	I	1	I	I	I	I	ł	ł	I	1	ţ
	Ruhber products. D.e.C.	1	I	I	I	0.5	I	0.86	0.92	I	44.69	14.63	6.60
356	Plastic products, n.e.c.	ł	I	۱	I	0.7	0.6	2.09	1.84	0.06	2.37	1	0.04

Table C-21 Syria, Cupital Investment in the Public Sector Industry 1966-1977, (SL million at Constant Prices 1970=100)

	Table C-21 (Cont'd.) Syria Capi	Capital Investment in the Public Sector Industry 1966-1977. (SL million at Constant Prices 1970=100)	Investment (SL millio	in the mat Co	Public mstant	Sector Prices	mt in the Public Sector Industry ion at Constant Prices 1970=100)	0) 1966	-1977.				
I3IC Code	e Category	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
8	NON-METALLIC MINERAL PRODUCTS	6.87	3.09	4.11	5.06	I	1.4	20.17	41.42	58.53	102.10	144.08	301.31
પ્ર	Pottery, chine, earthenware	I	I	I	I	I	I	I	I	I	I	<b>I</b>	ı
362	Glass and glass products	1.72	0.72	0.47	0.32	ı	I	0.25	1.19	5.04	18.54	49.90	181.9
369	Other non-metallic mineral products	5.15	2.38	3.63	4.74	I	I	19.92	40.23	53.50	83.56	94.18	<b>719.5</b>
37	BASIC METAL INDUSTRIES	0.0	1.90	1.78	2.70	4.0	2.43	1.14	0.53	0.07	3.19	28.17	20.80
371	Iron and steel basic industries	0.0	1.90	1.78	2.70	4.0	2.43	1.14	0.53	0.07	3.19	28.17	20.80
372	Non-ferrous metal basic industries	I	I	I	I	I	I	I	I	ı	ı	ı	I
38	FARRICATED METAL PRODUCTS, MACHINERY AND EQUIPMENT	6.23	2.03	2.78	4.61	2.8	1.10	1.40	4.30	21.63	63.88	80 <b>.</b> 80	35.26
381	Fabricated metal products except mach. and equipment	. 0.36	0.14	0.34	0.79	6°0	<b>60</b> •0	0.57	0.55	10.30	18.48	20.33	<b>%</b> .6
382	Non-electrical machinery	3.20	1.01	1.50	2.58	0.1	I	0.41	2.01	9.37	35.58	49.70	15.41
383	Electrical machinery, appliances	2.67	0.87	<b>6.93</b>	1.24	1.9	1.01	0.41	1.65	2.06	9.89	10.77	9.89
38.1	Transport equipment	I	I	I	I	I	I	I	ı	I	I	ı	I
385	Professional and scientific control equipment	I	I	I	I	I	I	I	I	I	!	I	I
39	OTHER MANUPACTURING INDUSTRIES	1	1	1	P	Ð	I	I	1	ı	<b>!</b>	ı	1
5	FOLAL MARUMCTURING	8 <b>1.6</b> 6	88.53	62.03	69.45	42.1	42.88	59.52	82.93	372.43	932.92	932.92 1,082.63 1,257.2	1,257.2

Source: Calculations are based on tables C-18 Appendix C and D-3 Appendix D.

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			\$ <b>-</b> \$	<b>6-6</b>	4.X	£9	13-0	93-0	1	8	5-101	116-4	144-B	1.14.1	iu-5	
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	git Transfer		51-0	53-8	9.45	67.6	72.0	2.4	76	9-121	6-M41	6-141	5.5	6.¥	0. 19	1.4.16
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Annual from Juney Service Barrows		3-0	<b>0</b> •5	••	5	1-6	6.8	1.1	6-01	-	7	16-9	9.14	3.5	x
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			٦•٢	1.2	1.2	<b>5</b> •7	1-1	1-8	2.4	3.5	3.8	4.8	4.6	•••		5-1
9.1         5.2         (10         1.4         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1 <td></td> <td></td> <td>1</td> <td>1.6</td> <td>1-0</td> <td>1.0</td> <td>1.1</td> <td>1</td> <td>Ţ</td> <td>2.5</td> <td>2.5</td> <td>2-9</td> <td>ž</td> <td>4:5</td> <td>;</td> <td>\$</td>			1	1.6	1-0	1.0	1.1	1	Ţ	2.5	2.5	2-9	ž	4:5	;	\$
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	BI WALL BUI CAR Probably sample Problem		1-0 .	1.0	1-8	1.1	1.2	6-1	2.5	<b>1</b> -2	<u>.</u>	;	•	é.o	. 1.2	8-1
	A Predicts and Particular	- 1	÷	5.0 2	5-1	1.2		10.6	11.5	13.5	6.11	15.7	23-7	32.6	6-X	3.2
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			1.0	e-2	<u>.</u>		\$	÷	9.7	5-11	12-5		13.5	22.5	9.K	6.¥
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	Particles, Lands Protony of National															
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			10.2	:1.5	:1-5	10.7	13.6	14.0	2-21	6-12	6-62	8-5	6-1	42-4	51-2	<b>1.9</b>
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Table No. (C-26) STRIA, MANUFACTURING GROSS VALUE ADDED FOR WORDER IN OVERALL MANUFACTURING INDUSTRY, 1963-1977, (SL THOUSAND AT CONSTANT FRIGES 1970-100)

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Turi         9.8         8.6         7.2         6.8         8.7         7.11         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4 </th <th>Code Category</th> <th>1963</th> <th>1964</th> <th>1965</th> <th>1966</th> <th>1967</th> <th>1968</th> <th>1969</th> <th>1970</th> <th>1971</th> <th>1972</th> <th>1973</th> <th>1974</th> <th>1975</th> <th>1976</th> <th>1977</th>	Code Category	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	I FOOD, BEVERAGES AND TOBACCO	717		a a	4	0	0										
11.1       Theorem       13.1       10.2       3.1       10.2       5.1       3.4       3.4       4.7       4.7       4.7       5.1       5.3       10.1         TENTIK WARTEA AND LEATHER       13.1       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5       13.5 <th>311/2 Food manufacturing</th> <td></td> <td>1</td> <td></td> <td>0</td> <td>N (</td> <td>8.0</td> <td>2-1</td> <td>1-1</td> <td>p.b</td> <td>1-1</td> <td>4.</td> <td></td> <td><i>i-i</i> +</td> <td>9-6</td> <td>דים  </td>	311/2 Food manufacturing		1		0	N (	8.0	2-1	1-1	p.b	1-1	4.		<i>i-i</i> +	9-6	דים	
11 Tokes         11 Tokes         11 Tokes         Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes       Tokes        Tok <th colsp<="" th=""><th>313 Beverages</th><td>1 2 1</td><td>1</td><td></td><td></td><td>4.4</td><td>1:</td><td></td><td>4-9</td><td>4-2 </td><td>4-9</td><td></td><td></td><td></td><td>•</td><td>4</td></th>	<th>313 Beverages</th> <td>1 2 1</td> <td>1</td> <td></td> <td></td> <td>4.4</td> <td>1:</td> <td></td> <td>4-9</td> <td>4-2 </td> <td>4-9</td> <td></td> <td></td> <td></td> <td>•</td> <td>4</td>	313 Beverages	1 2 1	1			4.4	1:		4-9	4-2 	4-9				•	4
TEXTLE         Vertex         Total	Tobacco			1 2 2 2			14	7.0	1.6	7.4	3.7		••		10.01	<b>~·</b> /	
10.1       Traine		5.11		<b>C•)</b>	2.54	2.11	10.5	0.11	14.5	34-2	15.1	16.6	16-0	16.9	24.0	19.2	
Ware were       Mare were       115       131       340       6.9       7.1       6.9       6.1       5.9       5.1       5.0       4.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1		9-98		20.02	7.4	6.1	6.0	5-7	5.9	3.9	4.1	4.8	1.4	5.1	6.2	6.8	
Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker product         Marker			- 1	34.0	8,9	7.1	6.9	6.7	6.9	4.2	4.7	5.7	9.1	5-9	7.0	8.0	
Consistent         1.1         2.3         2.4         5.5         2.5         2.6         1.5         1.1         2.3         2.4         5.5         2.6         2.6         1.5         1.1         2.1         2.5         2.3         2.5         2.1         2.5         2.5         2.5         2.1         2.5         2.5         2.5         2.1         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5         2.5 <th2.5< th="">         2.5         <th2.5< th=""> <th2.5< th=""><th>w carrage appared</th><td>1.35</td><td></td><td>2.5</td><td>2.8</td><td>2.6</td><td>2.9</td><td>3.1</td><td>2.9</td><td>5.9</td><td>2.6</td><td>2.4</td><td>2.6</td><td>۲ ۲</td><td>N</td><td>•</td></th2.5<></th2.5<></th2.5<>	w carrage appared	1.35		2.5	2.8	2.6	2.9	3.1	2.9	5.9	2.6	2.4	2.6	۲ ۲	N	•	
Mer Foreman         Component Nono PRODUCTS         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%         2.1%	Leather products	1.49		2-3	2.4	5.8	2.9	2.6	2.8	1.5		1.4	2.6		10	4 m	
Image of the function of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first set of the first	P cotweer	2.75	- 1	4.1	1.1	2.6	3.0	2.7	0.5			2.2	2.6	- -			
31       Wond male off.       31       32       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23       23 <th></th> <td>2.38</td> <td></td> <td>1.6</td> <td>0</td> <td>0</td> <td></td> <td>. u</td> <td></td> <td>• c</td> <td></td> <td>20</td> <td>•</td> <td></td> <td></td> <td></td>		2.38		1.6	0	0		. u		• c		20	•				
Remine and finume.         Zell         1.7         Via         1.7         2.3         5.1         5.3         5.1         5.3         5.1         5.3         5.1         5.3         5.1         5.3         5.1         5.3         5.1         5.3         5.1         5.1         5.3         5.3         5.1         5.1         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3 <th5.3< th=""> <th5.3< th=""> <th5.3< th=""></th5.3<></th5.3<></th5.3<>	131				, o		: ;		•	~						4	
PARER         PRODUCTS         PRIMING         PUBLING         PUBLIANT									2	2.2	8.2					2.1	
If Part and Part Products, Function of Control of Series (1)       5.4       5.0       6.4       5.0       6.4       5.0       6.4       6.3       5.0       6.4       6.3       5.0       6.4       6.3       5.0       6.1       6.3       5.1       5.0       0.1       4.5       1.1       5.0       10.4       5.1       10.2       9.1       10.2       9.1       10.1       4.5       11.4       11.4       11.4       11.4       11.4       11.4       11.4       11.6       11.7       5.0       10.4       11.7       11.0       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       11.1       20.5       20.5       20.5       20.5 <th></th> <td>C0-7</td> <td>1</td> <td>1.0</td> <td>1-1</td> <td>2.3</td> <td>2.7</td> <td>5-5</td> <td>3.1</td> <td>2.9</td> <td>2.6</td> <td>2.1</td> <td>2.0</td> <td>5.4</td> <td>3.6</td> <td>4.6</td>		C0-7	1	1.0	1-1	2.3	2.7	5-5	3.1	2.9	2.6	2.1	2.0	5.4	3.6	4.6	
R       7.1       5.4       7.1       5.4       7.1       5.0       10.4       6.1       5.1       5.0       10.4       6.1       5.0       10.4       6.1       5.0       10.4       6.1       5.0       10.4       6.1       5.0       10.4       6.0       0.1       4.5       1.1       1.1       5.1       1.1       2.1       1.2       1.2       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       1.1       2.1       2.1       2.1       2.1       2.1       2.1       2.1       2.1       2.1       2.1       2.1       2.1       2.1       2.1       2.1       2.1       2.1       <	111	-		2.8	<b>4</b> .3	<b>6.</b> 6	6.4	2.0 2	8.4	8.3	9.5	8.8	9.2	6.7	8.3	2.5	
Trimure         Trimure         Part of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the contrel of the contrel of the control of the control of the contrel of				2.4	3-0	6.4	7.7	5,0	10.4	6.3	9.6	12.4	6.0	0.7	4.5	9,11	
Bit       Chebalic Metric Matter CPRODE       4.33       4.6       4.9       12.6       13.7       13.6       14.6       14.7       14.6       14.7       14.6       14.7       14.6       14.7       14.6       14.7       14.6       14.7       14.6       14.7       14.6       14.7       14.6       14.7       14.6       14.7       14.6       14.7       14.6       14.7       14.6       14.7       14.6       14.7       14.6       14.7       14.6       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7       14.7	<u>.</u>	-	- 1	2-9	4-6	6.7	6.1	5-0	8.0	1.6	10.2	5-9	10.2	8-D		0	
5) R Chroment product       1,77       1,6       1,15       9,0       9,4       4,7       7,2       5,16       13,9       27,3       13,0       20,4         36 Relement with products and the product of primore \$ coil       3,17       1,0       9,0       9,1       10,5       11,1       20,5       11,1       20,5       11,2       21,6       5,1,5       24,8       21,2       21,2       21,2       21,3       21,4       21,3       21,5       21,5       21,6       21,2       21,3       21,2       21,3       21,3       21,4       21,5       21,4       21,5       21,4       21,5       21,4       21,5       21,5       21,6       21,7       24,6       21,7       24,6       21,7       24,6       21,7       24,6       21,7       24,6       25,5       71,4       21,5       21,7       11,6       11,6       11,7       11,6       11,7       11,6       11,7       11,6       11,7       11,6       11,7       11,6       11,7       11,6       11,7       11,6       11,7       11,6       11,7       11,6       11,7       11,6       11,7       11,6       11,7       11,6       11,7       11,6       11,7       11,6       11,7       11,7				4.9	12.6	15.3	12.5	13.0	14.3	13.6		12.9	13.8	14.5	14.4	14.9	
33. Prenome methony       8. no       105       11.1       20.1       36.7       16.6       26.9       27.9       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0       27.0 <t< th=""><th></th><td></td><td></td><td>1.5</td><td>0.6</td><td>1.6</td><td>4.9</td><td>7.0</td><td></td><td></td><td></td><td>0 2 1</td><td>F</td><td></td><td></td><td></td></t<>				1.5	0.6	1.6	4.9	7.0				0 2 1	F				
54       Max. products of perioden & coal       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -	Petroleum refinery	-		11.1	. Q.	47.6	7.82	18.8	10	8	5 u		10		2		
55       Rubbe product, a.e.       3.12       1.8       3.9       2.4       3.5       4.6       7.8       3.7       5.6       5.3       5.6       5.3       5.6       5.7       3.7       11.6         Non METALIC MINERAL PRODUCTS       5.6       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       <				1	÷	•		•					2440	2772	2112	1.00	
58       Plante product, n.e.       1.47       1.9       1.9       5.1       3.2       5.9       5.9       5.9       5.9       5.9       5.1       1.1       5.5       7.4       1.3         Power, Markar PRODUCTS       5.62       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.	Rubber products, n.e.c.			3.8	4.9	2.4	3.5	4 6	7.8	3.2	6.6	- H	. u		•	•	
NONMETALLIC MINERAL PRODUCTS         5.62         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.	Plastic products, n.e.c.			1-9	5.1	5.5		0 5	0 v	α	a	12		10			
81       Potery, china, arthemate       4.7       7.7       7.3       7.6       7.1       6.4       5.4       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0       5.5       8.0	NON-METALLIC MINERAL PRODUCTS	5.62		50,5	6.5	6.9						0.5				7 0	
62       Gues and gias products       4.36       4.9       4.7       7.7       7.5       7.2       5.5       5.5       4.6         60       6.05       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.0       5.1       6.7       6.2       5.7       5.9       4.2       4.0       6.5       6.3       7.2       5.5       8.0       7.5       8.0       7.2       5.5       8.0       7.2       5.5       8.0       7.5       6.3       6.5       6.1       8.8       7.2       5.5       8.0       7.5       6.3       6.5       6.3       6.5       6.3       6.5       6.3       6.5       6.3       6.5       6.3       6.5       6.3       6.5       6.3       6.5       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.4       6.3       6.3       6.4       6	Pottery, china, earthenware				× .					, ;					:		
69       Other mon-menolike miserent products       6.05       5.0       5.0       6.1       6.7       7.7       6.2       7.2       6.5       5.5       6.6       5.5       8.0       6.5       5.5       8.0       6.5       5.5       8.0       6.5       5.5       8.0       6.5       5.5       8.0       6.5       5.5       8.0       6.5       5.5       8.0       6.5       6.7       8.8       7.2       5.5       8.0       7.5       6.3       6.7       8.8       7.2       5.5       8.0       7.5       6.3       6.7       8.8       7.2       5.5       8.0       7.5       8.0       7.5       6.0       6.7       8.8       7.2       5.5       8.0       7.5       6.0       6.7       8.8       7.2       5.5       8.0       7.5       6.0       6.7       8.8       7.2       5.5       8.0       7.0       11.3       11.3       11.3       11.3       11.3       11.3       11.3       11.3       11.3       11.3       11.3       11.3       11.3       11.3       11.3       11.3       11.3       11.3       11.3       11.3       11.3       11.3       11.3       11.3       11.3       11.3 <td< th=""><th>Glass and glass products</th><td></td><td></td><td>4.7</td><td>7.7</td><td>7.3</td><td>1.6</td><td></td><td></td><td>1</td><td></td><td>.,</td><td></td><td></td><td>•</td><td>•</td></td<>	Glass and glass products			4.7	7.7	7.3	1.6			1		.,			•	•	
BASIC METAL INDUSTRIES       7.09       11.1       8.0       3.7       6.0       6.2       6.7       8.8       7.2       5.9       4.2       4.0       6.5       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.3 <th< th=""><th>369 Other non-metallic mineral products</th><td></td><td></td><td>5.01</td><td>6.1</td><td>6.7</td><td>7.7</td><td>6.2</td><td>7.2</td><td>6.9</td><td>10</td><td></td><td></td><td></td><td></td><td>4 0</td></th<>	369 Other non-metallic mineral products			5.01	6.1	6.7	7.7	6.2	7.2	6.9	10					4 0	
71       Iono and used basic industries       7.0       11.1       8.0       5.0       6.0       6.0       7.2       5.5       5.3       4.1       6.0       6.0       6.0       6.0       6.0       6.0       6.0       7.2       5.5       5.3       4.1       6.0       6.0         7.8< Non-introva ment basic industries       7.09       11.1       8.0       5.7       6.1       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.0	BASIC METAL INDUSTRIES		·	c a	2	107			0								
Non-ferrous merel basic induction         7.09         11.1         8.0         5.7         6.0         6.7         8.8         7.2         5.5         1.1         5.0         6.0           FABRICATED METAL PRODUCTS. MACH. & EQUIPMENT         7.57         6.25         6.4         5.3         4.5         4.5         7.9         8.1         7.6         7.8         9.8         13.5         14.2         14.3           FABRICATED METAL PRODUCTS. MACH. & EQUIPMENT         7.57         6.25         6.4         5.3         4.5         4.6         7.0         6.9         7.8         9.8         13.5         14.2         14.3           Fabricand meal products except mech & equipment         7.66         4.4         3.1         10.1         9.4         10.7         11.3           Fabricand mealinery.         polaces         7.5         3.4         3.4         11.0         6.8         4.5         7.0         10.1         9.7         8.4         20.5           Fabricand mealinery.         polaces         7.5         34.1         11.0         6.8         12.2         11.1         21.4         20.5           Fabricand mediany.         polaces         7.5         5.4         7.0         10.1         9.7 <th>71 Iron and steel basic industries</th> <td></td> <td>1</td> <td></td> <td>•</td> <td>&gt;</td> <td></td> <td></td> <td>, ,</td> <td>· · ·</td> <td>~ 4</td> <td>4</td> <td>2.4</td> <td>0</td> <td>5.0</td> <td></td>	71 Iron and steel basic industries		1		•	>			, ,	· · ·	~ 4	4	2.4	0	5.0		
FABRICATED METAL PRODUCTS. MACH. & EQUIPMENT       7.57       6.25       6.4       5.3       4.5       4.9       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.1       11.3       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.1       7.1       7.1       7.1       7.1       7.1       7.1       7.1       7.6      7.6      7.6       <	Non-ferrous metal basic industries		1.	8.0	5.7	6.0	6.2		e e	- c				4		8.1	
Fabricated metal products except mech & quipment         7.66         4.4         3.8         2.4         2.5         4.5         7.0         6.9         6.7         6.9         7.8         9.4         10.7         11.3           Non-electrical mechany.         mechany.         e.2         4.4         1.1         11.0         6.9         6.7         6.9         7.8         9.4         10.7         11.3           Non-electrical mechany.         peliances         7.59         24.5         33.2         10.1         10.6         12.5         11.1         9.7         6.9         13.8         26.3         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         21.1         2	FABRICATED METAL PRODUCTS, MACH. & EQUIPMENT	7 57			-							8.0	13.9	14.2		15.7	
Non-adactived Bectried machinery         Solution points         Solution (1)         Solution (1)         Solution (1)	381	77 6							10	<b>0</b>	<b>1.</b> 0					:	
Decrical machinery.       appliance       17.59       24.5       33.2       10.1       6.8       4.3       7.0       10.1       9.0       12.5       41.0       43.4       40.3       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1       21.1 <t< th=""><th></th><td></td><td></td><td></td><td></td><td>3</td><td></td><td>1 1</td><td>7.0</td><td>)*o</td><td>6</td><td>2.1</td><td>244</td><td>10-1</td><td>112</td><td>15.3</td></t<>						3		1 1	7.0	)*o	6	2.1	244	10-1	112	15.3	
Transport equipment         Construction         Constr	Electrical machinery, appliance			C 22							1.2	0.44	×7.0	10.4	S e	10.2	
ectentific control equipment	Transport equipment		Ţ		•		1	2	1-77	7-1	0		175	417	111	CTOT	
JPACTURING INDUSTRIES 0.38 0.5 0.5 0.8 0.9 1.3 1.0 1.3 2.6 2.9 3.0 3.1 3.3 M A N U F A C T U R I N G 6.47 6.1 8.6 7.0 6.1 6.0 0.9 6.6 5.6 5.9 6.3 7.5 6.9	385 Professional & scientific control equipment		•	1		•	• •	1	•	: : :		•		•	•	1	
MANUFACTURING 6.47 6.1 8.6 7.0 6.1 6.0 °.9 6.6 5.6 5.9 6.3 7.5 6.9	OTHER MANUFACTURING INDUSTRIES	9.38	0.5	0.5	0.8	6.0	1.3	1.0	1.3	2.6	- 6.2	3.0	3.1	3,3		۷ ۱۳	
		6.47	6.1	8.6	7.0	6.1	6.0	6.	6.6	5.6	5.9	6.3	7.5	6.9	8.1	1.8	

Source: Calculations are based on tables C-10 and C-25 appendix C.

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Table No. C-29 Syria, NAMUTACTURING GROSS VALUE ADDED PER MORERE IN THE PRIVATE SECTOR INDUSTRY, 1963-1977, (SL THOUSAND AT CONSTANT PRICES 1970-100)

		-														
Code	Category	1963	1964	1965	1966	1967	1968	1969	1970	107	107.2	1973	1074	1975	1076	1077
31	FOOD, BEVERAGES AND TOBACCO		e e	4 4											2	
31:/2	2 Food manufacturine	**		6.6			<b>.</b>	+	4.0	<b>3.0</b>	2.9	4.2	4.6	4.9	5.5	5.0
515		<b>.</b>		•••	Çe)	2.9	2°8	4.1	3.8	3.4	3.7	4.0	4.3	4.7	5.3	4.8
		<b>N-CT</b>	70.2	1.4	6.7	5.9	6.7	9.5	10.4	7.8	8.4	8.9	9.8	8.1	5.9	6.1
		•	•	•	•	•	1	•	1	•	,		•	•	<b>`</b> '	
32	TEXTILE, WEARING APPAREL AND LEATHER	10.0	7.8	80.0	6.0	2.9	2.6	3.4	4.0	1.9	1.5	0 7	2 F	2		, ,
321	Tertiles	0.11	12.7	2 1	с а					,		;;;	, , , ,	•	•	•
322	W earing							4,	14	4-1	5	<b>D</b> .1	2.0	5.5	4.4	4.0
323	Leather product	• •			1		10	400	o c	R I	0 · N	2-3	2.6	3.3	<b>6-4</b>	10
324	Footvear		*** • •			2.4	<b>*</b> *2	212	0.4	5.1	A.A.	1-3	2.0	2.6	3.5	77
33	WOOD AND WOOD PRODUCTS		2.2		N.C.	2.0	0~2	3.4	2-3	4-3	2-6	2.2	2 <b>.</b> 6	3.3	4.3	4.0
331	Wood and cork	4-2	<b>D-B</b>	1-6	2-0	2-2	2.6	2-7	2.9	2-8	2.4	<b>2.</b> 6	1.9	5.0	3.5	4.5
332	Furbiture and firtures.	6-0	1-1	BLO	2-9	1-4	2.2	1.7	20	1.9	1.5	1.6	1.0	<u></u>	2.5	3.6
		2-8	1.7	1.8	6-1	2.2	2.7	2.8	3.0	2.9	2.6	2.7	0.0	r v	A K	7 7
34	PAPER. PAPER PRODUCTS, PRINTING & PUBLISHING	2.1	2.3	2.8	4.5	6.3	5.9	5.2	7.7	7.7	0.0	0.0	6.1	7.6	9.6	8
		2.7	2.6	2.4	3.1	3.3	4.7	2.8	5.8	3.4	7.2	7.4	1.7	1.7	c v	
342		2.0	2.3	6-3	A.A	6.7	6.1	د	7.9		9	- 0	10.0			
35	CHEMICAL, PETROLEUM, RUBBER & PLASTIC PRODS.	0		0			a		•				•••			
351/2								1297		800	8-8	6.9	9.2	10.2	12.3	8.4
353	1		214	414	2.2	4.0	7.6	۰ <u>،</u>	<b>4</b> .5	0.1	9.4	7.3	9.7	10.6	13.1	10.01
354	Mise. products of petroleum & coal	•	C	•	e	•	•	•	•	•	•	•	•	•	1	ŧ
355	Rubber products, n.e.c.	12	9	a	000	-				••	•				E .	•
356	Plastic broducta, n.e.c.	***	<b>*</b>		2.3	+ - • •	2	+ 2.1			0°8	5.4	7.2	7.9	9.5	6.5
		++	<b>~</b> .7		2.1	1.2	÷.	•	<b>+·</b> 5	8.0	9.5	7.4	9.6	10,8	13.1	6,2
20	NUN-MEIALLIC MINERAL PRODUCIS	1 5.6	5.0	5.0	3.6	3.6	3.8	4.4	4.3	4.9	5.1	4.3	3.8	4.5	4.1	4.4
192	Country, callos, carlosen ware Class and alass moderse	•	•		•	•	•	•		1	•	1	1	•		1
250		1.1	4	1-4	10-7	9-7	9-6	1.01	9-0	8.3	8-9	7.6	6.0	6.4	4.4	4.7
8		6.0	5,0	5.0	3.0	3.1	3.3	4.0	3.9	4.6	4.9	4.0	3.7	4.4	4.1	4.4
37	BASIC METAL INDUSTRIES	7.1	11.1	8.0	3.6	6.0	6.2	9.1	8.8	7.2	5.5	3.3	4.0	6.0	6.0	5.7
5	From and steel banc industries	•	•	•	1	1	,	•	•	•	•			•		
372	Non-ferrous metal basic industries	7.1	11.11	8.0	3.8	6.0	6.2	9.1	8.8	7.2	5.5	3.3	4.0	6.0	6.0	5.7
38	FARRICATED METAL PRODUCTS, MACH. & EQUIPMENT	7.6	6.3	6.4	3.2	3.0	4.2	7.0	6.2	6.1	. 9			9		
381	Fabricated metal products except mach. & equipment	7.6	4.4	3.8	2.3	2.3	4.5	7.5	6.6	6.5	6.9	· · ·		9.0	9.01 10.01	++++
362	Non-electrical machinery	6.2	6.5	4.4	7.8	6.7	4.1	6.2	5.3	5.1	5.1				20	
20,	Liectrical machinery, appliances	7.6	24.5	33.2	4.3	3.3	2.3	4.6	4.1	3.9	4.9					1 1
3	Irnsport equipment	1	1	1	1	,	•	•			Y	2	141		ZaV	
385	Professional & scientific control equipment	•	1	1	•	•		•		1	1	÷ 1	• •	•	1	<b>F</b> 1
39	OTHER MANUFACTURING INDUSTRIES	0.38	0.5	0.5	0.8	0.9	1.3	1.0	1.3	2.6	2.9	3.0	3.1	3.2	 	بد م
Ð	TOTAL MANUFACTURING	5.4	5.4	7.8	4.9	2.9	3.0	4	4.2	3.4	3.8	3.6	3.9	4.9		5.3
	Source: Calculations are been on tables (-1) and f-of	8									-			-	•	

based on tables C-11 and C-26. Ş Source : Calculations ,

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MANUPACTURING GROSS VALUE ADDED PER CURREN IN THE PUBLIC SECTOR LUDUSTEY, 1963-1977	
THELE SECTOR LID	(001-0)
ORKER IN THE P	TANT PRICES 197
JTE ADDED PER 10	(SL. THUTCAND AT CONSTANT PRICES 1970-100)
URING GROSE VAI	(21. 73
Table No. C-30 Syrta,	
1.	

Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         Problem         <	ISIC Category	1963	1964	1965	1966	1961	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		20.1	16.5	2.11		1.1.1	12.4	13.6	11.J	r.	12.1	12.6	11.3	12.3	15.8	13.0
11. Dense       10. Former       10. Former <th>311/2</th> <th>1</th> <th>•</th> <th>1</th> <th>3.5</th> <th>10.3</th> <th>7.9</th> <th>8.4</th> <th>8.1</th> <th>8.3</th> <th>8.7</th> <th>8.4</th> <th>7.1</th> <th>7.3</th> <th>8.3</th> <th>7.0</th>	311/2	1	•	1	3.5	10.3	7.9	8.4	8.1	8.3	8.7	8.4	7.1	7.3	8.3	7.0
(i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes       (i) Takes		+	•	1	45.1	2.5	8 7	25.4	6.2	5.8	14.6	11.6	-15.6	9.7	14.6	12.9
TEXTLE, WEARING APPAREL, AND LEATHER         -         9.3         10.2         9.7         0.2         9.7         0.2         9.7         0.2         0.9         0.2         0.9         0.2         0.9         0.2         0.9         0.2         0.9         0.2         0.9         0.2         0.9         0.2         0.9         0.2         0.9         0.2         0.9         0.2         0.9         0.2         0.3         0.2         0.3         0.2         0.3         0.2         0.3         0.2         0.3         0.2         0.3         0.2         0.3         0.2         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3         0.3		10.6	16.5	17.5	15.6	17.2	16.0	16.0	14.5	14.2	15.1	16.6	16.0	9	24.1	19.2
21       10.7       10.6       9.9       9.5       7.7       7.7       7.7       7.0       10.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.7       16.		•	I	•	9.3	10.4	10.2	9.7	8.2	7.5	7.5	9.8	15.8	8 <b>.</b> 6	9.8	12.4
22       Wanne speed       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - <t< th=""><th>321</th><th>1</th><th>١</th><th>•</th><th>9.7</th><th>10.7</th><th>10.6</th><th>6.6</th><th>8.5</th><th>7.7</th><th>1.1</th><th>10.2</th><th>16.7</th><th>8.9</th><th>10.2</th><th>12.9</th></t<>	321	1	١	•	9.7	10.7	10.6	6.6	8.5	7.7	1.1	10.2	16.7	8.9	10.2	12.9
23       Lumber portents	ļ.,	•	•	•	5.6	4.8	6.4	5.6	4.4	3.2	5.8 	3.7	2.6	5.2	5.8	4-2
R.         Forest		•	•		2.3	9.2	6.4	+-5	1.7	3.5	1.5	2.2	6.3	6.0	. 7.B	4.7
Image: None of wood products       None wood wood wood products $4.7$ $3.5$ $4.4$ $9.1$ $6.1$ $6.7$ $5.6$ $0.4$ $4.6$ $3.4$ $4.6$ Remain and futures       Frontine and futures       Frontine and futures $2.4$ $1.7$ $5.5$ $1.1.2$ $2.6$ $3.6$ $1.1.2$ $2.6$ $3.6$ $4.6$ $3.4$ $4.6$ Remain and futures       Fronting and fluctures       Products RNTING & PUBLISHING $-2.4$ $1.6.3$ $1.6.1$ $2.6.1$ $3.6.1$ $4.6.5$ $3.6.1$ $4.6.5$ $3.6.1$ $4.6.5$ $3.6.1$ $4.6.5$ $3.6.1$ $4.6.5$ $3.6.1$ $1.2.5$ $2.6.1$ $3.6.1$ $4.6.5$ $3.6.1$ $1.2.5$ $3.6.1$ $1.2.5$ $3.6.1$ $1.2.5$ $3.6.1$ $1.2.5$ $3.6.1$ $1.2.5$ $3.6.1$ $1.2.5$ $3.6.1$ $1.2.5$ $3.6.1$ $3.6.1$ $3.6.1$ $3.6.1$ $3.6.1$ $3.6.1$ $3.6.1$ $3.6.1$ $3.6.1$ $3.6.1$ $3.6.1$ $3.6.1$ $3.6.1$ $3.6.1$ $3.6.1$ $3.6.1$ $3.6.1$ $3.6.1$ $3.6.1$	Footwear	1	•	•	•	1	•	1	1	•	•	1	1	I	1	•
31       Wood and on the form		1	1	'	4.7	3.5	4.4	9.1	6.1	6.7	5.8	0-4	4.6	7.4	4.6	2.5
33       Fundame and faume         33       Fundame and faume         41       Pare: PAPER PRODUCTS PRINTING & PUBLISHING         41       Pare: PAPER PRODUCTS         14       Pare: PAPER PRODUCTS         14       Pare: PAPER PRODUCTS         14       Pare: and Faute         25       Pare: Propulse         26       10.5       11.1       17.2       22.4       20.6       11.5       25.0       10.5       -40.0       3.6         26.1       Pare: and Faute Products       8.6       10.5       11.1       17.2       23.2       20.0       15.6       11.2       23.0       23.2       23.1       23.0       23.2       23.1       23.0       23.2       23.1       23.0       23.2       23.1       23.0       23.2       23.1       23.0       23.2       23.1       23.2       23.1       23.2       23.1       23.2       23.1       24.1       34.2       34.2       23.2       23.2       23.2       23.1       24.1       24.4       24.1       24.1       24.1       24.1       24.1       24.1       24.1       24.1       24.1       24.1       24.1       24.1       24.1       24.1       24.1       24.1	Wood and cork	1	I	1	4.7	3.5	4.4	9.1	[ 6.1	6.7	1 5-8	0.4	4-6	4-2	4.6	2.5
APPEE         APPEE         APPEE         APPEE         APPEE         PRIOUCTS         PRINTING & PUBLISHING         -         -         2.4         16.5         16.4         11.2         22.4         20.0         11.3         25.0         10.0         5.6         9.0         3.6           Primus and partenens         Primus and partenens         8.6         10.5         11.1         17.2         22.4         20.0         11.3         25.0         10.2         11.3         25.0         10.2         11.3         25.0         10.2         11.3         25.0         10.2         11.3         25.0         10.2         11.3         25.0         10.2         11.3         25.0         10.2         11.3         25.0         10.2         11.3         25.0         10.2         11.3         25.0         10.2         11.3         25.0         10.2         11.3         25.0         11.2         25.1         13.2         33.3         25.2         25.3         13.4         13.2         33.3         25.2         25.3         11.2         25.0         10.2         5.1         13.2         13.2         13.2         13.2         13.2         13.2         13.2         13.2         13.2         13.2	Furniture and Extures	•	•	•	1	•		1	•	•		ľ	•	E		F
41       Prime and Peper perioders       -       -       -       2.4       16.4       11.2       22.4       20.6       11.3       25.0       10.5       -0       3.6         26       Priming and perioders       -       -       -       2.4       16.5       16.4       11.2       22.4       20.6       11.3       25.0       10.5       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       11.1       10.5       11.1       10.5       11.1       10.5       11.1       10.5       11.1       10.5       11.1       10.5       11.1       10.5       11.1       10.5       11.1       10.5       11.1       10.5       11.1       10.5       11.1       10.5		•	ı	1	2.4	16.3	16.4	11.2	22.4	8.8		25.0	1 10.5	9.0	3.6	24.6
R       Prining and publicitie       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - <th>Paper and Paper products</th> <th>•</th> <th>1</th> <th>1</th> <th>2.4</th> <th>16.3</th> <th>16.4</th> <th>11.2</th> <th>22.4</th> <th>8.0</th> <th></th> <th>25.0</th> <th>10-5</th> <th>-8.0</th> <th>3.6.</th> <th>24-6</th>	Paper and Paper products	•	1	1	2.4	16.3	16.4	11.2	22.4	8.0		25.0	10-5	-8.0	3.6.	24-6
Griefinduct       PETROLEUM, RUBGER & PLASTIC PRODS       8,6       10,5       11,1       17,2       18,5       17,0       17,0       11,1       10,1       11,1       25,2       25,2       25,1       24,4       21,2       35,1       25,2       25,2       25,2       25,2       25,1       24,4       21,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2       31,2	Printing and publishing	•	•	•	1	1	1	•	1	1			•	ı	1	ı
Si7 Channel protect $                                                                                                        -$		8.6	10.5	1.11	17.2	23.2	20.0	15.6	18.5	18.9		17.0	10.3	11.3	10.3	15.6
33       Perolean reflery       34.6       30.5       11.1       30.3       47.6       36.7       19.8       25.9       26.1       24.8       23.9       21.2         34       Mar. products of perolean & cold       -       -       7.0       3.4       5.0       12.0       9.8       1.6       6.4       5.1       3.9       3.3       7.4         35       Plaits products.       -       -       -       7.0       3.4       5.0       12.0       9.8       1.6       5.7       8.0       7.2       8.9       7.3       8.2         35       Plaits products.       -       -       -       9.4       10.1       11.7       9.6       9.8       7.2       6.9       7.2       8.7       14.4         100 NONMETALIC       Mineral products       -       -       10.6       11.7       9.6       9.8       7.2       6.7       11.7       7.4       4.7         11       Plaits products.       -       -       10.6       11.7       11.1       11.7       9.6       9.8       7.2       6.7       11.1       7.4       14.4         11       Plaits products.       mototototototototototototototototototot	351/2 Chemical products	1	•	•	6.8	12.0	8.3	12.4	8.8	8.1		15.6	31.2	33.3	25.2	18.3
88       Mue. products of perruferin & cold       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -	Petroleum refinery	8.6	10.5	1.11	5.9	47.6	7.9%	19.9	25.9	29.9		28.1	24-8	23.9	21-2	. 33-0
55       Rubber products, n e.c.       -       -       7.0       3.4       5.0       12.0       9.4       5.1       3.9       3.3       7.4         55       Plantic products, n e.c.       -       -       9.4       10.1       11.7       9.6       7.2       6.3       10.2       6.17       11.3         161       Potery, china, arthomare       -       -       9.4       10.1       11.7       9.6       9.6       7.2       6.3       10.2       6.17       11.3         161       Potery, china, arthomare       -       -       -       10.0       5.9       4.7       8.0       7.2       5.3       7.4       14.4         161       Potery, china, arthomare       -       -       -       7.0       5.9       4.7       13.2       14.4       11.6       5.7       11.7       14.4       11.7       14.4       11.7       14.4       17.6       14.4       17.7       14.4       17.5       14.4       17.6       14.4       17.6       14.4       17.5       14.4       17.5       14.4       17.5       14.4       17.5       14.4       17.5       14.4       17.5       14.4       17.5       14.4       17.5	Mise. products of petroleum & coal	1	1		•	•	•	1	•	ı		1		f	6	ł
11.1       11.1       9.6       7.1       9.7       9.6       7.1       9.7       9.6       7.2       6.9       7.2       6.7       11.3         11.1       11.1       9.6       11.1       9.6       9.8       7.2       6.9       7.2       6.7       11.3         11.1       11.1       11.1       9.6       9.8       7.2       6.9       7.2       6.7       11.3         11.1       11.1       11.1       9.6       9.8       7.2       6.9       7.2       6.7       11.3         11.1       11.1       11.1       9.6       11.3       11.1       11.1       9.5       11.7       11.4       11.7       11.7       11.4       11.4         11.1       11.1       11.1       11.1       11.1       11.7       9.5       11.7       11.4       11.7       11.4       11.7       11.4       11.7       11.4       11.7       11.7       11.4       11.7       11.4       11.7       11.4       11.7       11.6       11.7       11.6       11.7       11.4       11.7       11.4       11.7       11.7       11.7       11.4       11.7       11.7       11.7       11.7       11.7	Rubber products, n.e.c.	•	•		7.0	<b>4</b> • <b>£</b>	2.0	12.0	9.6	1.6		2.1	3.9	3.3	7.4	4.2
NONMETALLIC MINERAL PRODUCTS $                                                                                                       -$	Plastic products, n.e.c.	•	•	•	6.8	3.8	÷.4	8.6	7.1	8.7		5.7	8.0	7.2	8.2 4	6.3
Kit       Potery, chiaa, earthemere       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       10.6       11.7       11.7       11.1       11.1       11.7       11.1       11.1       11.1       11.7       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1		•	I	1	9.4	10.1	11.7	9.6	9.6	7.2		2.9	10.2	6.7		10.4
62       Guan erol glass products       -       -       7.0       5.9       4.7       4.5       3.2       7.5       5.3       4.7         69       Other mornareallie mineral products       -       -       -       10.6       11.7       7.4       14.4       14.4         8xSIC METAL INDUSTRIES       -       -       -       -       -       9.8       10.0       3.4       9.7       7.5         71       Instant end basic       -       -       -       -       -       -       9.8       10.0       3.4       9.7       7.5         71       Non-metallie mineral       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -<	Pottery, china, earthenware	•	1	•	•	1	1	1	1	•		•	•	•	•	•
69 Other non-meralike mineral products       -       -       10.6       11.9       14.1       11.1       11.7       7.4       14.4         RASIC METAL INDUSTRIES       -       -       -       10.6       11.9       14.1       11.7       7.4       14.4         RASIC METAL INDUSTRIES       -       -       -       -       -       9.7       7.5         71 Inco and steel basic industries       -       -       -       -       -       9.7       7.5         71 Inco and steel basic industries       -       -       -       -       -       9.4       9.7       7.5         71 Inco and steel basic industries       -       -       -       -       -       9.4       9.7       7.5         72 Non-terrous meail basic industries       -       -       -       2       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - <t< th=""><th></th><th>1</th><th>•</th><th>1</th><th>1.0</th><th>6.7</th><th>7.3</th><th>7.0</th><th>5.9</th><th>4.7</th><th></th><th>3.5</th><th>1.5</th><th>5. 2</th><th>4.7</th><th>4.4</th></t<>		1	•	1	1.0	6.7	7.3	7.0	5.9	4.7		3.5	1.5	5. 2	4.7	4.4
RASIC METAL INDUSTRIES		•	•	•	10.6	6-11	14.3	1.11	л.7	9.5		10.5	11.7	7.4	14.4	12.2
171       True and steel basic industries       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -		•	8	•	,	1	I.	1	1	1	8.8	10.0	3.4	9.7	7.5	1.8
772       Non-terrous metal basic industries       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -		1	•	•	•	•	1	•	•	•	8.8	P.O	3.4	9-7	2.5	1.8
FABRICATED METAL PRODUCTS, MACH. & EQUIPMENT       -       -       26.6       19.0       11.7       23.1       21.5       11.2       11.4       8.9       28.1       47.7       30.6       23.5         Bit Februared metal products accept meth. & equipment       -       -       -       10.0       9.3       9.4       14.2       13.9       11.2       11.4       8.9       10.6       15.5       16.5         Bit Februared metal products accept meth. & equipment       -       -       -       10.0       9.3       9.4       14.2       13.9       11.2       11.4       8.9       20.6       23.5       24.5       16.5       34.5       35.5       28.1       35.5       28.1       35.5       28.1       35.5       28.1       35.5       28.1       35.5       28.1       35.5       28.1       35.5       28.1       35.5       28.1       35.5       28.1       35.5       28.1       36.7       35.5       28.1       36.7       35.5       28.1       36.7       35.5       28.1       36.7       35.5       28.1       36.7       35.5       28.1       36.7       35.5       28.1       36.7       35.5       28.1       36.7       35.5       28.1       36.7	1	•	•	•	•	1	•	•	•	•	•	•	•	ı	ł	
381       Febriated metal products arcrefermach. & equipment       -       -       10.0       9.3       9.4       14.2       13.9       11.2       11.4       8.6       16.5       16.5         382       Non-identical machinery       -       -       -       90.8       22.0       12.6       27.6       24.4       17.6       29.5       34.5       34.5         383       Non-identical machinery       -       -       -       -       -       11.6       24.8       21.9       19.6       20.6       25.7       34.5       38.1         383       Tempories       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - </th <th></th> <th>1</th> <th>1</th> <th>1</th> <th>20.6</th> <th>19.0</th> <th>ц.7</th> <th>23.1</th> <th>2.5</th> <th>17.2</th> <th></th> <th>20.1</th> <th>47.7</th> <th>30.6</th> <th>29.5</th> <th>2.3</th>		1	1	1	20.6	19.0	ц.7	23.1	2.5	17.2		20.1	47.7	30.6	29.5	2.3
382       Non-idential machinery       29.6       33.1       46.3       29.7       34.6         333       Electrical machinery.       splitances       -       -       -       -       -       34.6       24.4       17.6       29.6       33.1       46.3       29.7       34.6         333       Electrical machinery.       spplitances       -       -       -       -       13.6       21.9       19.6       10.8       29.1       56.7       35.5       26.1         344       Transport equipment       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - <th></th> <th>1</th> <th>•</th> <th>•</th> <th>10°0</th> <th>9.3</th> <th>9-4</th> <th>14.2</th> <th>13.9</th> <th>п.2</th> <th></th> <th>8.8</th> <th>10.6</th> <th>15-5</th> <th>16.5</th> <th>25.8</th>		1	•	•	10°0	9.3	9-4	14.2	13.9	п.2		8.8	10.6	15-5	16.5	25.8
343       Electrical machinery. appliances       -       -       -       -       -       5.5       26.1       35.5       26.1       35.5       26.1       35.5       26.1       35.5       26.1       35.5       26.1       35.5       26.1       35.5       26.1       35.5       26.1       35.5       26.1       35.5       26.1       35.5       26.1       35.5       26.1       35.5       26.1       35.5       26.1       35.5       26.1       35.5       26.1       35.5       26.1       36.7       35.5       26.1       36.7       35.5       26.1       36.1       36.7       35.5       26.1       36.1       36.7       35.5       26.1       36.1       36.7       35.5       26.1       36.1       36.7       35.5       26.1       36.1       36.7       35.5       26.1       36.1       36.7       35.5       26.1       36.1       36.7       35.5       26.1       36.1       36.7       35.5       26.1       36.1       36.7       35.5       26.1       36.1       37.1       31.0       31.0       31.0       31.0       31.0       31.0       31.0       31.0       31.0       31.0       31.0       31.0       31.0       31.0		1	•	1	8.0	22.0	12.6	21.6	24.4	17.6		33.1	46.3	8	34-6	7.7
384       Transport equipment       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -		1	•	•	31.5	19.5	11.8	24.8	21.9	19.6		1.8	58.7	35.5	28.1	20.6
335       Professional & scretific control equipment       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -		•	•	•	•	•	1	•	1	1	1	•	1	•	•	•
OTHER MANUFACTURING INDUSTRIES		1	•		•	•	•	۔ 	•	•		-	•	•	1	•
TOTAL MANUFACTURING 14.2 13.1 17.4 10.5 12.7 11.9 11.6 10.5 10.1 10.1 15.3 11.0 13.0		•	I	1	•	•	•	•	1	•	1	•	•	•	•	•
	S TOTAL MANUFACTURING	14.2	13.1	17.4	10.5	12.7	11.9	11.6		9.6	10.1	1.01	15.3	11.0	13.0	13.6

Seerce: Calculations are based on tables C-12 and C-27 Appendix C.

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## APPENDIX "D" CONSTRUCTION OF AN IMPLICIT PRICE INDEX OF INDUSTRIAL OUTPUT

This Appendix explains the method used in constructing the implicit price index of industrial output. This was done by preparing an index for the value of output, an index for industrial production, which were used in deriving the implicit price index.

The first step was to construct an index for the value of industrial output at current prices. Using the value of output data prepared for the study and presented in Appendix "C", an index for the value of output by 2-digit ISIC for the period 1963-1977 with 1970 as a base year was constructed. This index is presented in Table (D-1) below.

The second step was to construct an index for industrial production which has the same base year and which covers the same time period. Such an index is prepared by the Central Burnau of Statistics and is published in the Statistical Abstract of Syria according to the 2-digit-ISIC. In fact the CBS has has published two such indices with different base years. The first index covers the period 1965-1973 with 1965 being the base year. The second index covers the period 1970-1977 with 1970 being the base year. These indices were spliced to convert the 1965 base year index into a 1970 base index and derive a 1970 base index of industrial production for the period 1963-77. The index is presented in Table D-2 below.

Having prepared the index of value of industrial output at current prices and the index of industrial production, it was just a matter of dividing the value index by the quantity index and multiplying the result by 100 to get the implicit price index (base 1970) of industrial output at 2-digit-ISIC for the period 1963-1977. This index is presented in Table D-3 below.

TLHE (D-1) Index of Value of Industrial (	Dutput at Current Prices 1963-77( 1970	rrent Pric	es 1963-7	7( 1970 =	100)			
ISIC Cate gory	1963	1964	1965	1966	1967	1968	1969	1970
T. POD. BE/BACKS ALD TOBACCO	43.8	45.5	56.6	63.5	72.7	72.3	84.8	100.0
2	39.4	42.4	54.6	63.2	70.6	70.4	82.4	100.0
31.3 Beverates	59.3	40.9	50.0	50.9	56.8	68.2	81.8	100.0
314 Tobacco	61.0	59.9	66.4	66.4	81.2	<b>80.</b> 9	<b>%</b> .1	100.0
32 TEXTILES DEALING APPAREL AUD LEVENER	65.4	67.2	43.7	73.7	85.2	86.8	95.7	100-0
321	67.8	71.2	43.8	75.3	85.8	87.9	97.8	100.0
322 Vesting apparel	40.6	28.1	34.4	52.2	73.4	73.4	13.4	100.0
	53.5	55.9	64.7	0.06	97.6	<b>88.</b> 2	94.1	0.001
	65.0	45.0	54.2	65.8	91.7	91.7	83.3	100.0
TOOD AND FOOD PRODUCTS	73.4	50.0	48.9	52.7	68.9	81.8	9-00-	0,001
331 Vood and cort	44.7	35.3	35.3	75.9	68.2	76.5	87.1	100.0
	80.3	53.5	52.1	47.2	69.0	83.1	104.2	100.0
34 PAPER PRODUCES FRIMING & FUBLISHING	54.2	30.4	42.9	70.2	69.0	71.4	85.2	100.0
541 Paper and paper products	67.9	24.5	20.8	54.0	62.3	84.9	100.0	100.0
342 Printing and publicating	49.3	43.3	50.7	76.0	71.3	66.7	<b>80.</b> 0	0°00T
35 CHERICAL, PERROLEUS, RUBBER & ZIASTIC PRODUCTS	48.6	51.8	53.5	61.9	74.1	78.7	68.2	100.0
351 Industrial oberioals								
	62.5	65.0	55.0	96.0	111.3	107.5	105.0	100.0
	46.5	52.4	54.1	54.1	70.0	73.5	61.2	100.0
	•		•		0	•	0	
355 Rubber moducts. n.e.o.	56.2	6 1 1	61.6	<u>61°0</u>	2 13 	76.8	22.2	
	202		444	4200	44.0	4744	1.15	
	64.6	64.7	60.4	49.5	63.1	82.1	1.02	100.0
- 1	•	-	-	-	•	-	•	•
	68.4	9.Q	78.0	72.9	85.9	103.4	<b>0.96</b>	100.0
369 Other non-metallic mineral products	63.8	63.5	56.7	44.6	58.4	1.1	<b>88,9</b>	100.0
37 BASIC THEFT. INDUSTRIES	22.0	18.5	21.0	44.5	55.0	72.0	70.0	0.001
377	•	•			8	i	1	*
	22.0	18.5	21.0	45	55 <u>.</u> 0	72.0	70°0	100.0
36 PATRICATED METAL PRODUCTS .MCHINERY & BOUTPHEAT		28.7	34.5	40.3	44.8	56.0	84.1	100.0
301 Fabricated metal products except mach.é equir	٦	35.8	1.1	25-0	36.5	66.2	<del>89</del> .2	0.001
Non-electric	9.2	9-9	2-9	60.5	53.4	4.7	86.8	100.0
	18.4	¥.8	80.9	53.7	55.1	44.1	66.2	100-0
Transport equipment	•	•	-	-	•	•	•	•
305 Professionel é solentific control equipment	•	-	•		•	•	•	
39 OTHER MANUFACTURING INCORPOLAE	227.8	272.2	314.8	185.2	214.8	224.1	94.4	0.001
SAT GRADUIT CATAGORY A MANAGORY S	53.7	к 33	50.3	64.B	75.3	78.4	87.8	100.0
	1.11		2.2			1.71		

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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	(I-d) #BU/L	CO. VINUED						
Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation         Monustratulation<	C 20 4 6 6 0 H	1971	1972	1973	1974	1975	1976	1977
11/1         Tool mentice further         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16         11/16 <th></th> <th>107.2</th> <th>117.1</th> <th>129.7</th> <th>145.3</th> <th>179.7</th> <th>228.8</th> <th>236.1</th>		107.2	117.1	129.7	145.3	179.7	228.8	236.1
111         Function         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6         111/6 <t< th=""><th>2</th><th>107.8</th><th>0.711</th><th>127.9</th><th>178.8</th><th>173.8</th><th>2110</th><th>201 2</th></t<>	2	107.8	0.711	127.9	178.8	173.8	2110	201 2
11         Constant         101.1         111.2         125.9         156.4         156.4         156.7         276.5           12         Textures wattree Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argument Argum	1		764 5	7 271	105.5	707 1	240.0	
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With the second         126.0         150.1         155.0         250.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0         260.0	32 TEXTILES. (TEARING APPAREL AND LEATHER	131.7	134.4	157.5	240.8	219.0	292.5	339.8
22. "excise series."         147.2         155.1         165.6         275.0         271.9         287.5           22. Toron AD VCON FRONCES         131.1         135.1         264.0         235.0         231.0         246.1         241.1           23. Toron AD VCON FRONCES         131.1         135.1         264.1         243.1         240.1           23. Toron AD VCON FRONCES         113.1         135.1         266.1         233.0         246.1         241.1           23. Toron AD VCON FRONCES         113.1         135.1         266.1         233.0         246.1         241.1           24. Toron AD VCON FRONCES         113.1         135.1         260.1         233.0         246.1         247.2           24. Toron AD VCON FRONCES         125.1         135.1         560.1         246.1         240.2           24. Toron AD VCON FRONCES         125.1         135.1         560.1         246.1         240.2           24. Toron AD VCON FRONCES         125.1         135.1         560.1         256.1         240.2           24. Toron AD VCON FRONCES         145.0         116.1         116.1         116.1         260.1         261.2         261.2         261.2         261.2         261.2         261.2         2		128.8	130.1	153.8	239.8	209.2	276.0	23.3
23.3         Jarther urchureta         176.5         200.0         201.1         176.5         201.1         176.5         201.1         176.5         201.1         176.5         201.1         176.5         201.1         176.5         201.1         176.5         201.1         176.5         201.1         176.5         201.1         176.5         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1         201.1	ł	142.2	153.1	165.6	225.0	271.9	387.5	129.7
Rd         Procession         191.1         206.1         265.1         541.1           1         'VOU ADD 'NOUTENDITI'         111.4         115.2         125.1         245.6         333.0         366.1         541.1           13         Numbers and futures         100.1         115.1         115.6         112.1         256.1         241.1         390.1           14         PAVER FRONCES BELITTIE & FURILISENCE         106.1         113.1         260.1         241.1         390.1         390.1           15         PAVER FRONCES BELITTIE & FURILISENCE         106.1         113.1         260.1         241.1         390.1         390.1           16         PAVER FRONCES BELITTIE & FURILISENCE         106.1         113.1         260.1         241.1         390.1           17         PAVER AND AND AND AND AND AND AND AND AND AND	ł	176.5	200.0	241.2	305.9	347.1	476.5	535.3
(1)         (20) Am 'COD FRONCES         111.4         157.2         145.5         226.6         333.0         216.1         200.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1         216.1 <th></th> <th>191.7</th> <th>208.3</th> <th>225.0</th> <th>300.0</th> <th>366.7</th> <th>541.7</th> <th>0.009</th>		191.7	208.3	225.0	300.0	366.7	541.7	0.009
131         Sect and const         105.5         135.4         117.6         235.4         286.7         247.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1         376.1		עיוו	135.0	זאקיב	246 6	0 222	1 965	137 5
13.7         Function and fittures         112.7         136.6         132.1         250.7         231.1         200.1         201.1         200.1         201.1         200.1         201.1         200.1         201.1         200.1         201.1         200.1         201.1         200.1         201.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1         200.1 </th <th>122</th> <th></th> <th>1.001</th> <th></th> <th></th> <th></th> <th>2.612</th> <th></th>	122		1.001				2.612	
PANA: PLATE HOUNCES, FRUTLIC & FURLIERLE         106.4         133.0         174.4         186.7         280.8         477.3           Particus         Functional models         113.2         133.1         133.1         135.1         280.1         477.3           Privational models         113.2         133.5         135.1         135.1         280.1         477.3           Privational models         113.2         135.5         135.5         135.5         135.7         147.2         280.1         477.3           Privational models         145.0         177.5         195.5         195.5         194.7         285.7         427.1           Privational models         145.0         177.1         147.4         186.5         147.4         285.7         427.5           Privational models         106.0         112.4         195.6         147.4         186.5         147.1           Privation models         107.6         113.4         177.1         113.4         187.6         265.2         266.2           Privation models         107.6         107.6         107.7         107.7         107.7         205.6         256.2         266.2           Privation models         107.6         107.7         10	Furni ture and	112.7	2.2.1	152.1	250.7	343.7	1-065	453.5
Holds         Description         Main Fromount         100-0         133-0         133-1         100-0         120-0         270-1         270-0         477-1           Main From Mark From Mark         Main From Mark From Mark         100-0         133-1         100-0         160-0         160-0         160-0         260-1         427-1           Main From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From Mark From								
H. Frinting and manage involucion         113.1         120.1         270.2         270.3         441.2           2.1         Frinting and manage investor         113.1         131.3         20.0         250.2         260.3         441.2           2.1         Cuttance investor         10.0         131.3         100.1         131.3         201.4         200.6         441.2           2.1         Cuttance investor         10.0         161.5         131.3         201.6         250.3         250.3         250.3         250.1         420.1           2.1         Detection         100.0         161.5         131.1         131.4         131.4         201.6         134.1         250.1         470.1           2.1         Detection         100.0         161.2         131.4         135.1         134.1         250.1         470.1           2.1         New interviewers         130.4         127.1         135.4         295.1         251.1         252.1           2.1         New interviewers         130.6         134.4         135.1         135.1         255.1         255.1         255.1         255.1         255.1         255.1         255.6         264.0           2.1         State	PARIE PAPER PRODUCES PRIMILIC & PUBL	108.4	133.0	171.4	188.7	280.8	427.1	477.8
M2         Printing and publicating         106.1         135.3         160.0         166.1         266.1         420.0           13         CHILLER and publicating         145.0         135.3         160.0         166.1         29.5         29.16         261.1         266.1         420.0           13         Petrodal and call         145.0         145.0         166.5         141.6         266.5         141.6         266.5         141.6         266.5         141.6         266.5         141.6         266.5         141.6         266.5         141.6         266.5         141.6         266.5         141.6         266.5         141.6         266.5         141.6         266.5         141.6         266.5         141.7         266.5         141.6         266.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5         246.5	1	113.2	132.1	203.8	250.9	320.8	447.2	622.6
Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Implementation         Impleme		106.7	133.3	160.0	166.7	266.7	420.0	426.7
35.         Tyrkustrial obmitoal         -         100.0         64.3         15.7.1         20.4.6         200.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0	CIER ICAL, PERCOLDUI, RUBBER & PLASTIC	152.3	.33.5	.69.7	191.5	238.8	267.2	428.1
328         Operion, products         145.0         167.5         195.0         345.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0         470.0	Industrial obemicals	8	100.0	64.3	185.7	321.4	200.0	214.3
351     Petrolem refiner     166.5     141.6     194.7       324     Hilee. unoducta of netrolem and coal     -     -     -     -       355     Floatie unoducta at a.c.     157.1     166.5     147.2     255.5     255.5       355     Floatie unoducta at a.c.     157.1     166.8     184.4     296.7     255.5       355     Floatier unoducta at a.c.     171.1     147.4     199.0     208.1     322.1       355     Floatier unoducta at a.c.     118.4     127.1     147.4     199.0     208.1     322.1       355     Floater ohten arthenere     118.4     127.1     147.4     199.0     208.1     322.1       355     Floater ohten arthenere     107.6     107.6     107.0     147.4     197.5     299.4       355     Floater on and atool heato input tree     207.0     147.4     197.6     27.0     127.0       361     Fron and atool basic input tree     345.0     30.0     400.0     295.0     141.6       371     Fron and atool basic input tree     345.0     30.1     154.2     270.0     271.0       372     Son-farren instant moducts     Sould at 190.1     141.5     171.2     170.3     251.0     156.0     156.0    <		145.0	167.5	185.0	315.0	345.0	470.0	502.5
354       [14e. moducts act of petroleun and cool       100.0       112.3       117.2       195.6       256.2         355       Floar unconnets. n.e.o.       157.1       157.6       157.6       256.5       256.2         355       Floar unconnets. n.e.o.       157.1       157.1       157.4       199.0       245.5       280.5         350       France and class uncoducts       107.9       113.0       124.4       197.6       299.4       277.1         351       France and class uncoducts       107.9       113.0       124.4       197.6       299.4       277.1         352       Grass and class uncoducts       120.6       130.0       147.4       197.5       299.4       277.1         351       From and rise!       120.6       130.0       127.1       197.5       295.0       155.0       156.0       1       150.6       1       1<77.0       257.0       257.0       255.0       255.0       255.5       255.5       255.0       255.5       255.0       255.0       255.0       255.0       255.1       255.0       255.0       255.0       255.1       255.0       255.7       255.0       255.7       255.7       255.7       255.7       255.7       255.7		160.0	118.2	166.5	141.8	186.5	194.7	408.8
355     Fighbor products. n.s.c.     100.0     117.3     117.2     195.6     205.9     256.2       356     Figst is moducts. n.s.c.     157.1     166.6     184.4     209.7     345.5     480.5       361     Fritary. ohime. sarthemers     107.9     113.0     121.1     141.4     109.0     206.1     322.1       362     Fortary. ohime. sarthemers     107.9     113.0     13.1     141.4     109.0     206.1     322.1       363     Fortary. ohime. sarthemers     107.9     130.0     130.0     141.4     107.5     299.9     322.0       364     Fortary. Innourse     345.0     130.0     141.4     107.5     295.0     675.0       365     Fortary. Exonocres     345.0     300.0     100.1     137.0     234.8     256.5       371     Fron and froel basic industries     345.0     390.0     400.6     234.8     256.5       372     Non-floates     114.5     139.2     154.2     271.1     266.9     441.9       372     Non-floates     130.1     144.5     170.3     268.9     441.9       373     Non-floates     130.2     139.2     137.0     268.9     441.9       374     Ron-floates     130	list products of petroleur and	8	1	1	1	1	I	1
356     Flanktic uroducts. n.s.c.     157.1     166.8     184.4     296.7     345.5     480.5       361     Pottary. Inverse.     118.4     127.1     147.4     189.0     208.1     322.1       361     Pottary. Antime. exchanges.     107.9     137.0     124.3     199.6     299.4     277.1       362     Clease and stand unchange.     107.6     113.0     147.4     187.6     299.4     227.1       362     Others and steel basic innustries     107.6     113.0     147.4     187.6     299.4     276.0       371     From and steel basic innustries     345.0     380.0     400.6     595.0     575.0       371     From and steel basic innustries     345.0     380.0     400.6     596.0     341.9       372     Mon-ferrous netal moducts except mach equip.     114.5     130.2     152.7     170.3     269.9     441.9       382     Non-ferrous netal norducts except mach equip.     114.5     130.2     166.0     355.0     560.0       382     Non-ferrous netal moducts     26.1     170.1     166.0     205.9     276.0     165.0       372     Sound science     114.5     130.2     152.7     170.3     269.9     441.9       383<	Iubber products. n.e.c.	100.0	112.3	117.2	195.6	205.9	256.2	264.0
NOM         UMM         UNM         UNM <th></th> <th>157.1</th> <th>168.8</th> <th>164.4</th> <th>298.7</th> <th>345.5</th> <th>480.5</th> <th>510.4</th>		157.1	168.8	164.4	298.7	345.5	480.5	510.4
361       Potterr, ohlm, exthemere       107.9       113.0       124.3       195.0       197.4       277.1         362       Gless and class products       120.6       130.0       147.4       167.5       209.9       342.0         369       Other mon-metallic utheral products       345.0       130.0       147.4       167.5       209.9       342.0         371       Iron and stoel basic innustries       345.0       610.0       635.0       755.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1755.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0       1255.0 <th></th> <th>118.4</th> <th>127.1</th> <th>143.4</th> <th>189.0</th> <th>208.1</th> <th>322.1</th> <th>382.4</th>		118.4	127.1	143.4	189.0	208.1	322.1	382.4
362       Clase and slass products       107.9       113.0       124.3       199.4       271.1         369       Other non-cetallic mearal moducts       120.6       130.0       147.4       187.5       209.9       342.0         371       Iron and steel basic inquetries       -       120.6       130.0       157.0       155.0       125.5         371       Iron and steel basic inquetries       -       -       100.0       102.2       137.0       125.6       125.6         371       Iron and steel basic inquetries       -       -       100.0       102.2       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6       125.6	361							
369       Other non-retailio nimeral products       120.6       130.0       147.4       167.5       209.9       342.0         371       Iron and steel besic innustries       345.0       610.0       635.0       135.0       1265.0       1265.0       1       1265.0       1       1265.0       1       1265.0       1       1265.0       1       1265.0       1       1265.0       1       1265.0       1       1265.0       1       1265.0       1       1265.0       1       1265.0       1       1265.0       1       1265.0       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1		107.9	113.0	124.3	196.0	199.4	227.1	266.7
TARIC (NEWL HUDUNTRIES)       M5.0       610.0       635.0       765.0       1 355.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       1 265.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0       2 200.0		120.6	130.0	147.4	187.5	209.9	342.0	406.6
371       Iron and steel braie industries       -       100.0       102.2       131.0       234.8       256.5         372       Non-ferrous nevel braie industries       345.0       300.0       400.0       450.0       595.0       675.0         381       Fabricated metal moducts except mech.0       equip.       114.5       130.3       154.2       205.9       320.8       481.6         381       Fabricated metal moducts except mech.0       equip.       114.5       130.3       152.7       170.3       268.9       481.6         381       Fabricated metal moducts except mech.0       equip.       114.5       130.2       152.7       170.3       268.9       441.9         383       Electrical modutaet       114.5       130.2       152.7       170.3       268.9       441.9         384       Transport equipmet       126.1       101.7       168.0       367.9       564.0         385       Profestional & scientific control equipment       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -		345-0	610.0	635-0	765.0	1 135.0	1 265.0	1 250.0
372       Non-ferrous netal basic industries       345.0       380.0       400.0       450.0       595.0       675.0         381       Fubricated metal products MACHLINERY & EQUIFRENT 112.6       139.2       154.2       205.9       320.8       481.6         381       Fubricated metal products except mech.4       99.2       139.2       154.2       205.9       320.8       481.6         382       Non-electrical prohimery       99.2       134.2       147.4       207.9       353.2       500.0         383       Non-electrical prohimery       99.2       134.2       174.4       207.9       363.2       500.0         384       Tremeport equipment       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -	371		0.00L	102.2	137.0	234.8	256.5	247.8
7.1 FRICATED INSTAL PRODUCTS MACHELINETY & EXULTATION 112.6       130.3       154.2       205.9       320.8       481.6         381       Fabricated matal products except mach.0       equity.       114.5       139.2       152.7       170.3       268.9       441.9         382       Non-electrical machinery       99.2       134.2       147.4       207.9       353.2       500.0         384       Transport equipment       99.2       134.2       100.1.7       168.0       363.2       500.0         384       Transport equipment       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -	1	345.0	380.0	400.0	450.0	595.0	675.0	680.0
381       Fabricated metal products except mech.0 equip.       114.5       152.7       170.5       268.9       441.9         382       Non-electrical mechinery       99.2       134.2       147.4       207.9       353.2       500.0         383       Figure 1 mechinery       99.2       134.2       147.4       207.9       353.2       500.0         384       Transport equipment       126.1       10'1.7       168.0       363.2       564.0         384       Transport equipment       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - <th>FLERICATED INSTAL PRODUCTS MACHINELY &amp;</th> <th>112.6</th> <th>130.3</th> <th>154.2</th> <th>205.9</th> <th>320.8</th> <th>481.6</th> <th>513.9</th>	FLERICATED INSTAL PRODUCTS MACHINELY &	112.6	130.3	154.2	205.9	320.8	481.6	513.9
382       Non-electrical modifiers       99.2       134.2       147.4       207.9       353.2       500.0         393       Electrical modifiers       Summary subliances       126.1       10'1.7       168.0       360.0       402.9       564.0         384       Transmort equivalent       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -	381 Fabricated metal products except mach.	114.5	139.2	152.7	170.3	268.9	441.9	433.8
393       Electrical mechinary avpliances       126.1       10'.7       168.0       300.0       402.9       564.0         384       Transmort equivaent       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - <td< th=""><th>Non-electrical maphimerr</th><th>99.2</th><th>134.2</th><th>147.4</th><th>207.9</th><th>363.2</th><th>500.0</th><th>547.4</th></td<>	Non-electrical maphimerr	99.2	134.2	147.4	207.9	363.2	500.0	547.4
364 Tremerort equipment 365 Professional & scientific control equipment		126.1	101.7	168.0	300.0	402.9	564.0	685.3
385 Professional & scientific control equiprent		ł	1	1	1	1	1	
OTHER MARUTACTURING LIDUSTRIES 130.9 156.7 185.2 203.7 351.9 429.6 TOTAL MARUTACTURING 124.0 131.6 151.7 200.5 225.7 292.6	Professional & scientific control equ	1	1			1	8	8
124.0 131.6 151.7 200.5 225.7 292.6		138.9	166.7	185.2	203.7	351.9	429.6	455.6
	3 TOTAL SALUFACTURING	124.0	131.6	151.7	200.5	225.7	292.6	336.7
							والمتعادية والمتعادية والمتعادية	

Table C-1, Appendix C. Source:

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(1970 - 100)	
Lyne 1961-197	
XIGU	
PODOCTION	
DIDUBTRIAL F	
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		1063	1063 1064	JOKE	JOKK	1067	1068	C YOL		i i i						
			ķ				2	6061	0J6T	1)61	7712	1913	1974	<i><b>C161</b></i>	1976	I MI
A. #	Mining and quarrying	15.4	9.1	5.4	3.2	5.1	29.1	56.7	<b>100.</b> 0	113.1	155.0	186.0	294.0	413.0	345.0	302.0
×	<b>Manuf</b> acturing	72.7	75.6	78.7	81.9	78.7	80.3	<u>8</u> 5	100.0	104.7	0.111.0	120.0	132-0	143.0	168.0	175.0
	1. Food, beverages and tobacco	83.1	87.3	91.7	8.3	88.1	89.0	8.3	100.0	103.7	0.611	126.0	133.0	240	180.0	161.0
۲. ۲	2. Textiles, giming and hides	80.6	83.0	85.5	88.0	82.9	81.2	<b>%</b> .3	100.0	106.6	109.0	0.611	123.0	128.0	152.0	162.0
	3. Nood and furniture	70.7	54.3	58.5	53.2	66.1	78.4	105.8	100.0	109.4	110.0	115.0	123.0	130.0	0.111	163.0
й 	4. Paper, printing & publishing	26.3	36.2	<b>50.</b> 0	69.0	71.0	75.5	81.5	100.0	107.5	0.011	130.0	0.21	167.0	203.0	242.0
ថ 	5. Chemicals	42.0	45.4	49.0	52.9	52.9	52.5	72.6	100.0	111.3	0.721	120.0	124.0	145.0	157.0	182.0
¥Ŭ.	6. Non-metallic minural products (excluding petroloum and coal)	77.6	75.3	73.0	70.8	75.2	<b>%</b>	9:-9	100-0	<b>8</b> .0	105.0	100.0	112.0	118.0	0-161	157.0
<b>A</b>	7. Basio metal products	60.3	66.4	73.0	80.3	80.3	80.3	<u>9</u> 9.3	100.0	100.0	199.0	125.0	169.0	285.0	327.0	325.0
f.	8. Fabricated metals	63.9	66.4	69.0	71.7	64.8	64.8	2:-5	100.0	103.4	107.0	1,1.0	212.0	246.0	288.0	330.0
ō	9. Other industries ²	72.2	75.5	79.2	83.0	87.0	91.1	95.4	100.0	104.8	109.8	115.0	125.0	137.0	151.0	0.171.0
	Electricity and water	60.5	64.9	69.4	74.3	76.4	84.7	91.9	100.0	109.0	126.0	121.0	138.0	169.0	181.0	215.0
ð	General inder number	63.9	<b>66 . 1</b>	0-69	71.7	69.7	7:-5	89.7	100.0	106.2	119.0	127.0	1:19.0	173.0	188.0	191.0

Source: Statistical abstract of Syria, 1978.

J This table represents a converion of the 1965 base index 1970 base for the years 1965 - 1969.
2 Estimated by using the annual compound rate of growth between 1970 and 1973 as data is available.
3 Pigures for 1963 and 1964 have been estimated by applying the annual rates of growth of 1965 -1966 backward.

Taine Na. ( 3-3), INGLICIT PRICE INDEX OF INDUSTRIAL OUTFOF 1963-1977 (1970 = 100)

Catagery	1963	1961	1965	1966	1967	1968	1969	2AT	1971	19/2	1717	+1/1			
POOD, HEVERAGES AND TOBACCO	52.7	52.1	1.19	62.9	82.5	81.2	<b>98.1</b>	100.0	103.4	103.6	102.9	109.2	124.8	1-121	146.6
311/2 Feed manufacturing		-			-				_						
	•	•													
TEXTILE WEARING APPAREL AND LEATHER	81.1	61.0	51.1	83.8	102.8	106.9	97.4	100.0	124.2	123.3	A.061	195.8	1111	192.4	209.8
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212 Viene, speed					-		_			-				•	
223 Leather protects					+		-								
20. Purveer		-	÷		- 1					100 0					
WOOD AND WOOD PRODUCTS	103.8	77.8	83.6	<b>3</b> .1	104.2	<b>C</b> -10	••••	2	10101	1000	126.5	<b>500</b> -2	226.2		
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PAPER, PAPER PRODUCTS, PRINTING & PUBLISHING	206.1	1997	05.8	101-7	9.69	9.6	C. 101	2. 2.	3						Ň
Mil Press and Pager products				+	÷			-							
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	115.7	1.11	109.2	0.711	140.1	150.0	94.0	100.0	136.0	105.1	1.1.1	154-4	104.1	170.2	2.002
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BASIC METAL INDUSTRIES	X.5	5-12	20.8	55.4	68.5	1.69	5 02	100.0	0"CHC	200	2.22	1.774	÷	1.2	+
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572 Nun-ferrors motel breit industries			-										-		4
TABLATTO MITAL PRODUCTS MACH. & BOURNENT	41.9	43.2	0.03	56.2	69.1	86.4	0.69	100.0	106.9	121.6	100.4	97.1	1.0.4	167.2	1.22.1
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	1 325.5	1.09	397.5	223.1	246.9	246.0	0.66	100.0	132.5	151.8	סיואנ	0.881	256.9	24.5	261.6
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	73.9	71.8	63.9	1.64	95.7	9.16	92.9	0.001	110.4	+-CTT	1 126.4	1 151.9	1 157.6	414.62	17/6-6

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

