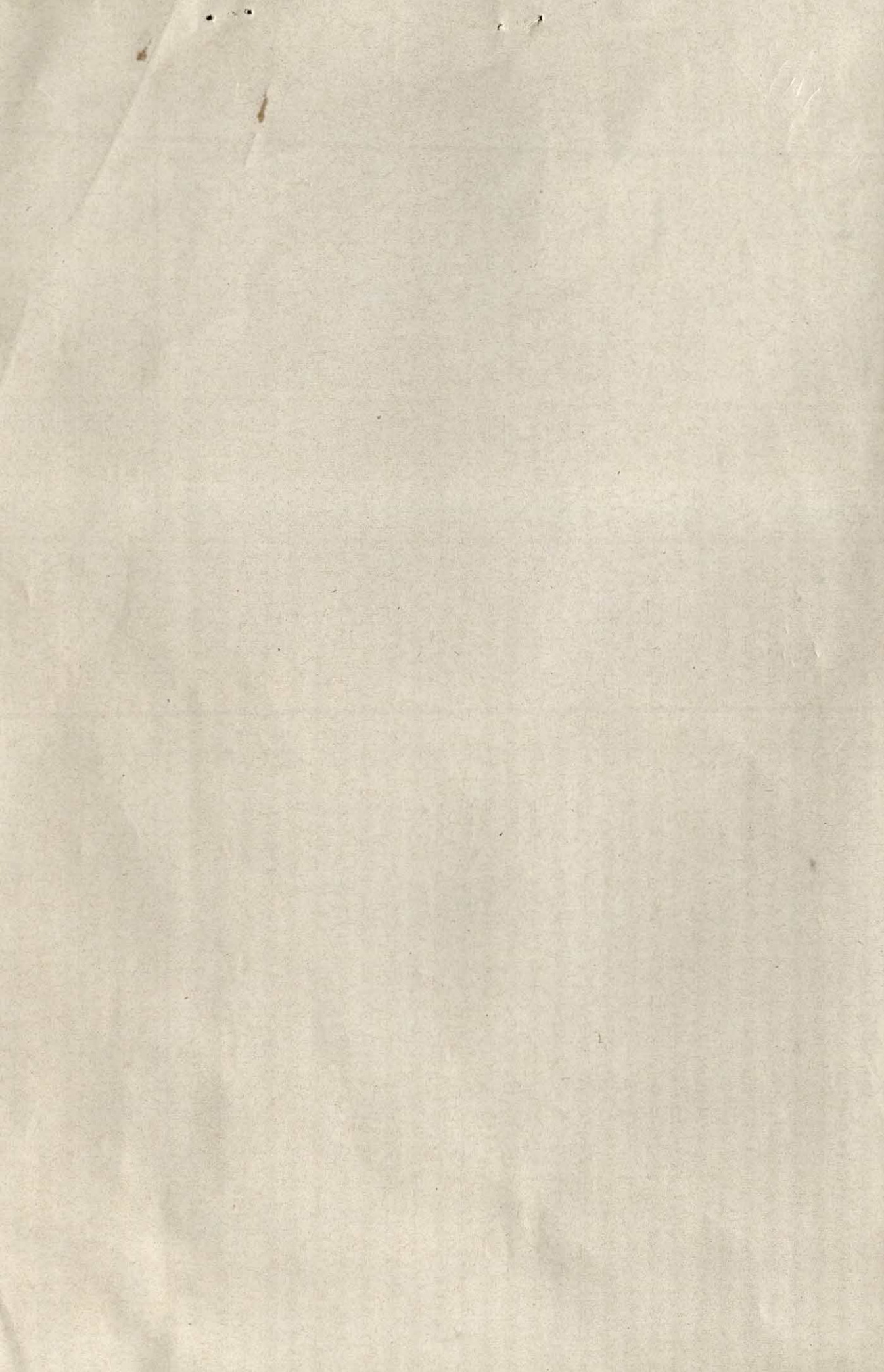




GOVERNMENT OF KERALA

REPORT
ON
ANNUAL SURVEY
OF
INDUSTRIES
1985-86

DEPARTMENT OF ECONOMICS & STATISTICS
THIRUVANANTHAPURAM
1991



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P R E F A C E

This report relating to Annual Survey of Industries 1985-'86 is the twentieth publication in the series. A broad picture of the pattern and growth of the registered factory sector of Kerala is presented.

The report contains four chapters. The first one deals with the coverage, concepts, definitions etc. The second chapter provides a review of the results of the survey. The third gives an analysis of the major structural characteristics and the fourth deals with the relative importance of different industries.

The report was prepared by Smt. J. Beatrice, Assistant Director, with the assistance of the staff of the Industrial Statistical Unit of the Department of Economics and Statistics.

Suggestions, if any, for improvement of the report are welcome.

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Director of Economics and Statistics.

Thiruvananthapuram,

18.2.1991.

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CHAPTER I - GENERAL

1.1. Introduction:-

The Annual Survey of Industries is the primary source of data on registered industries in the State. It provides valuable data on various aspects of the registered industrial sector covering economic activities relating to manufacturing, electricity, gas, water supply and repair services. The survey is conducted every year under the statutory provisions of the Collection of Statistics Act, 1953 and the rules framed thereunder in 1959. The field work of the survey is being carried out by the Field Operation Division of the National Sample Survey Organisation, Government of India. The Director, Field Operation Division (F.O.D.), National Sample Survey Organisation (N.S.S.O.) is the statistics authority appointed under the above Act for the collection of these statistics.

1.2. Scope and Coverage:-

The survey covers broadly three types of units. The factories registered under sections 2m(i) and 2m(ii) of the Factories Act, 1948 which are using power and employing 10 or more workers and those not using power but employing 20 or more workers on anyday of the preceding 12 months, form the first type. Also this category includes the repair service units incidental to manufacturing activities such as cold storages, repair of foot wear and other leather goods, electrical repair shops and repair of other consumer durable items. The second type comprises electricity undertakings registered with the Central Electricity Authority and various water supply undertakings. The third type includes those bidi and cigar establishments which are registered under Bidi and Cigar Workers (conditions of employment) Act, 1966. Oil storage and distribution units, restaurants and cafes, establishments coming under the control of the Department of Defence Production which are not engaged in the production of any items for sale or exchange and technical training institutes are excluded from the purview of the survey though they may be registered as factories under Factories Act, 1948.

The unit of enumeration in Annual Survey of Industries, is a factory in the case of manufacturing industries, a workshop in the case of repair services, an undertaking in the case of electricity and water supply and an establishment in the case of bidi and cigar industries. The owner of two or more units located in the same State and pertaining the same industry group is permitted to furnish a single consolidated return.

The Annual Survey of Industries frame is revised and updated once in two years. The factories included in the survey are grouped into two sectors viz. census and non-census sectors. Units employing 50 or more workers and using power and those employing 100 or more workers without using power are grouped under the census sector while the remaining units constitute the non-census sector. This classification is done on the basis of employment figures of the previous year's returns. Once a

unit is classified between the census or the non-census sector, its status is not altered for a period of two years i.e. till the frame is revised.

All the units in the census sector, and all electricity undertakings and units in specified categories of the non-census sector have been covered in this survey on a complete enumeration basis. The units from the non-census sector which are completely enumerated belong to (i) those industries where the total number of units do not exceed 50 at the all India level.

(ii) Units locate in relatively less industrialised States.

The sampling units are listed in descending order of employment. Having thus arranged and serially numbered the non-census sampling units in a stratum, units with odd serial numbers are surveyed during the first year after the revision of the frame and those with even numbers during the second year.

Reference period for Annual Survey of Industries 1985-'86 was the financial year commencing on 1st April 1985 (i.e. 1st April 1985 to 31st March 1986).

Limitations:-

The data presented in this report relates to the factories responded to the survey only. The factories which did not respond constituted only a negligible proportion (4%) of the total number of factories.

1.3 Concepts and definitions:-

Reference year -- for A.S.I. 1985-'86 is the accounting year of the factory ending on any day during the fiscal year 1985-'86 i.e. 1st April 1985 to 31st March 1986.

Registered factory:-

is one, which is registered under sections 2m(i) and 2m(ii) of the Factories Act, 1948. The sections 2m(i) and 2m(ii) refer to any premises including the precincts thereof (i) whereon ten or more workers are working, or were working on any day of the preceding twelve months, and in any part of which a manufacturing process is being carried on with the aid of power or is ordinarily so carried on or (ii) whereon twenty or more workers are working or were working on any day of the preceding twelve months, and in any part of which a manufacturing process is being carried on without the aid of power, or is ordinarily so carried on.

Gross Value of Plant and Machinery:-

Represents the total original (undepreciated) value of installed

plant and machinery as at the end of the accounting year. It includes the book value of own constructed plants and machinery if installed and the approximate value of rented-in plants and machinery as at the time of renting in but excludes the value of rented-out plants and machinery. Total value of all the plants and machinery acquired on hire purchase basis is also included.

Fixed Capital:-

Represents the depreciated value of fixed assets owned by the factory on the closing day of the accounting year. Fixed assets are those which have normal productive life of more than one year. Fixed capital covers all types of assets, new or used or own constructed, deployed for production, transportation, living or recreational facilities, hospitals, schools, etc. for factory personnel. It includes the fixed assets of the head office allocable to the factory and also the full value of assets taken on hire purchase basis (whether fully paid or not) excluding interest element. It excludes intangible assets and assets solely used for post manufacturing activities such as sale, storage, distribution, etc.

Physical Working Capital:-

Defined to include all physical inventories owned, held or controlled by the factory as on the closing day of the accounting year such as the materials, fuels and lubricants, stores etc. that enter into products manufactured by the factory itself or supplied by the factory to others for processing. Physical working capital also includes the stock of materials, fuels and stores, etc. purchased expressly for resale, semi-finished goods and work in progress on account of others and goods made by the factory which are ready for sale at the end of the accounting year. However, it does not include the stock of the materials, fuels, stores, etc., supplied by others to the factory for processing. Finished goods processed by others from raw materials supplied by the factory and held by them are included and finished goods processed by the factory from raw materials, supplied by others, are excluded.

Working Capital:-

is the sum total of the physical working capital as already defined above and the cash deposits in hand and at bank and the net balance of amounts receivable over amounts payable at the end of the accounting year. Working capital, however, excludes unused overdraft facility, fixed deposits irrespective of duration, advances for acquisition of fixed assets, long-term loans including interest thereon and investments.

Productive Capital:-

is the total of fixed capital and working capital.

Invested Capital:-

is the total of fixed capital and physical working capital.

Depreciation:-

is consumption of fixed capital by the factory due to wear and tear and obsolescence during the accounting year and is taken as provided by the factory owner or is estimated on the basis of cost of installation and working life of the fixed assets.

Outstanding Loans:-

represent all loans, whether short term or long term, whether interest bearing or not, outstanding according to the books of the factory as on the closing day of accounting year.

Workers:-

are defined to include all persons employed directly or through any agency whether for wages or not and engaged in any manufacturing process or in cleaning any part of the machinery or premises used for manufacturing process or in any other kind of work incidental to or connected with the manufacturing process or the subject of the manufacturing process. Labour engaged in the repair and maintenance or production of fixed assets for factory's own use or labour employed for generating electricity or producing coal gas are included. However, persons holding positions of supervision or management, or employed in administrative office, store keeping section and welfare section, watch and ward staff, sales department as also those engaged in the purchase of raw materials etc. and in production of the fixed assets for the factory are excluded.

Employees:-

relate to all persons engaged by the factory whether for wages or not, in work connected directly or indirectly with the manufacturing process and include all administrative, technical, electrical staff as also labour engaged in production of capital assets for factory's own use. This is inclusive of persons holding position of supervision or management or engaged in administrative office, store keeping section and welfare section, watch and ward staff, sales department as also those engaged in the purchase of raw materials etc. and the production of fixed assets for the factory. It also include all working proprietors and their family members who are actively engaged in the work of the factory even without any pay and the unpaid members of the co-operative societies who worked in or for the factory in any direct and productive capacity.

The average number of workers or employees is obtained by dividing mandays worked (defined below) by the number of days on which the manufacturing process was carried on during the reference year. In the case of factories where only repair and maintenance of construction activity was carried on, the average is calculated by dividing the mandays worked by the number of days repair and maintenance of construction work carried on.

Mandays worked:-

represent the total number of mandays worked and not mandays paid for by the factory during the accounting year. It is obtained by summing up the number of persons of specified categories attending in each shift over all the shifts worked on all days (working and non-working).

Wages:-

are defined to include all remuneration capable of being expressed in monetary terms and also payable more or less regularly in each pay period to workers (defined above) as compensation for work done during the accounting year. It includes (a) direct wages and salary (ie., basic wages/salaries, payment of overtime, dearness, compensatory, house rent and other allowances), (b) remuneration for period not worked (ie., basic wages, salaries and allowances payable for leave period, paid holidays, lay off payments and compensation for unemployment, if not paid from sources other than employers), (c) bonuses and ex-gratia payment paid both at regular and less frequent intervals (ie., incentive bonuses, good attendance bonuses, productive bonuses, profit sharing bonuses, festival or year end bonuses, etc.). It excludes lay off payments which are made from trust or other special funds set up expressly for this purpose ie., payments not made by the employer. It also excludes imputed value of benefits in kind, employers contribution to old age benefits and other social security charges, direct expenditure on maternity benefits and creches and other group benefits. Travelling and other expenditure incurred for business purposes and reimbursed by the employer are excluded. The wages are expressed in terms of gross value ie., before deductions for fines, damages, taxes, provident fund, employees state insurance contribution, etc.

Emoluments:-

are defined in the same way as wages are defined above but paid to all employees plus imputed value of benefits in kind. ie., the net cost of the employer on those goods and services provided to employees free of charge or at markedly reduce cost which are clearly and primarily of benefit to the employees as consumers.

Fuels, etc. consumed:-

represent the total purchase value of all items

of fuels, lubricants, electricity, water, etc. consumed by the factory during the accounting year excepting those which directly enter into products as materials consumed. It excludes that part of fuels which is produced and consumed by the factory in manufacture i.e. all intermediate products and also fuels consumed by employees as part of amenities. It includes quantities acquired and consumed from allied concerns, their book value being taken as their purchase value and also the quantities consumed in production of machinery or other capital items for factory's own use.

Materials consumed:-

represent the total delivered value of all items of raw materials, components, chemicals, packing materials and stores which actually entered into the production process of the factory during the accounting year. Also include the cost of all materials used in the production of fixed assets including construction work for factory's own use. It, however, excludes all intermediate products consumed during the accounting year (Intermediate products in the above context mean all those products which are produced by the factory but are subject to further manufacturing process).

Total Inputs:-

comprises gross value of fuels, materials etc. consumed (as defined above) and also other inputs viz. (a) cost of non-industrial services received from others, (b) cost of materials consumed for repair and maintenance of factory's fixed assets including cost of work done by others to the factory's fixed assets, (c) cost of contract and commission-work done by others on materials supplied by the factory, (d) cost of office supplies and products reported for sale during the previous year and used for further manufacture during the accounting year and (e) purchase value of goods sold in the same condition as purchased.

Products:-

are defined to include the ex-factory value (i.e. exclusive of taxes, duties, etc. on sale and inclusive of subsidies etc. if any) of all products and by-products excluding intermediate products that have been completed during the accounting year for sale whether actually sold during accounting year or entered into books. Also include fixed assets produced by the factory for its own use.

Semi-finished goods:-

refer to the imputed value of all materials which have been partially processed by the factory but which are not usually sold without further processing. It includes the work in progress on account of others, but excludes the value of semi-finished fixed assets produced for factory's own use.

Gross Output:-

is defined to include the ex-factory value of products and by-products manufactured during the accounting year. It also includes the net value of the semi-finished goods completed or work in progress and also the receipts for the industrial and non-industrial services rendered to others, value of semi-finished goods of last year sold in current year and sale value of goods sold in the same condition as purchased. These terms gross output, value of output and total output have been used in the text interchangeably to mean the same thing.

Net Value added:-

is increment to the value of goods and services that is contributed by the factory and is obtained by deducting the value of total inputs and depreciation from value of output.

Factor Payments:-

represent the share in value added of income from capital and is the sum total of rent and interest as defined below.

Rent:-

represents the amount of royalty paid in the nature of rent for the use of fixed assets in the factory (Note in the summary reports published for 1973-'74 to 1978-'79, concept of rent was exclusive of land rent).

Interest:-

includes all interest paid on factory account on loans, whether short term or long term, irrespective of the duration and the nature of agency from which the loan was taken.

Net Income:-

represents the factor shares of employees and entrepreneur in the value added and is obtained by deducting the factor payments (as defined above) from the value added.

1.4 General findings of the Survey

The Annual Survey of Industries 1985-'86 shows that the capital structure of the registered industrial sector has made an overall development during 1985-'86. The employment position has marked a slight decrease when compared to 1984-'85.

About 3113 factories responded to the Survey. The total investments during the year in these factories is Rs.2236.76 crores of which Rs.1577.54 crores is for fixed capital. The output and input are Rs.3071.95 crores and Rs.2374.31 crores respectively. The value added by manufacture is Rs.594.34 crores. The factories employed 237000 people and disbursed Rs.289.01 crores by way of emoluments.

CHAPTER II - REVIEW OF THE RESULTS OF THE SURVEY

2.1 Salient features:-

The important results of the survey are presented in this chapter for the factory sector as a whole as well as for the three sectors of the economic activity namely, Manufacturing, Electricity and Water Supply and Repair Services. This chapter includes the structural ratios and technical co-efficients also.

The principal aggregate of the registered factory sector at the state level for the year 1985-'86 as compared to the year 1984-'85 are given below.

TABLE NO.I
SALIENT FEATURES (1985-'86)

Sl. No.	Aggregates	Unit	1984-85	1985-86	%age increase in 85-86
1	2	3	4	5	6
1.	Factories covered	Nos.	3014	3113	3.28
2.	Fixed capital	Rs.in lakhs	126887.06	157754.18	24.32
3.	Working Capital	"	54497.58	64318.43	18.02
4.	Productive Capital	"	181384.64	222072.60	22.43
5.	Invested Capital	"	191263.51	222078.61	16.11
6.	Outstanding loan	"	154081.16	176504.70	14.55
7.	Workers	Nos.	194695	193032	(-)0.85
8.	Employees	Nos.	250963	237540	(-)5.35
9.	Wages to workers	Rs.in lakhs	15695.72	17851.28	13.73
10.	Total emoluments	"	25649.52	28901.69	12.68
11.	Input	"	176084.78	237431.88	34.83
12.	Output	"	241718.26	307195.10	27.09
13.	Depreciation	"	8803.53	10329.33	17.33
14.	Value added	"	56829.95	59433.89	4.58
15.	Factor payment	"	10664.31	14731.68	38.14
16.	Net income	"	46165.64	44702.21	(-)3.17

The above table reveals that the number of factories reported during 1985-'86 have increased by 3.28 per cent compared to 1984-'85. The fixed capital, productive capital and invested capital have made remarkable increase. The fixed capital has gone upto Rs.157764.19 lakhs from Rs.126887.06 lakhs recording an increase of 24.32 per cent. The working capital has increased by 18.02 per cent increasing the amount from Rs.54497.58 lakhs in 1984-'85 to Rs.64316.42 lakhs during 1985-'86. The productive capital has made an increase of 22.43 per cent by raising the amount from Rs.181384.64 lakhs in 1984-'85 to Rs.222072.60 lakhs in 1985-'86. The invested capital has gone up by 16.11 per cent by

increasing the amount from Rs.191263.51 lakhs in 1984-'85 to 222078.61 lakhs in 1985-'86. The outstanding loan has made an increase of 14.55 per cent by raising the amount from Rs.154081.16 lakhs in 1984-'85 to Rs.176504.70 lakhs in 1985-'86.

The number of employees has decreased by 5.35% as against an increase of 4.22% during the previous year. The employment figure in this sector during the year 1984-'85 was 250963. But during 1985-'86 it is 237540.

It may be observed that eventhough the number of employees has decreased by 5.35% when compared to previous year the total emoluments has gone up by 12.68%. The total emolument of the employees has gone up from 25649.52 lakhs during 1984-'85 to Rs.28901.69 lakhs during 1985-'86. The total input of the sector has made a huge increase of 34.83 per cent, the increase being from 176084.78 lakhs during 1984-'85 to Rs.237431.88 lakhs during 1985-'86. The total output has also made a similar increase from Rs.241718.26 lakhs to Rs.307195.10 lakhs recording an increase of 27.09 per cent. The net value added has enhanced from ; Rs.56829.95 lakhs to Rs.59433.89 lakhs showing an increase of 4.58% only. The factor payment for 1985-'86 has also gone up from Rs.10664.31 lakhs to Rs.14731.68 lakhs recording an increase of 38.14 per cent. The net income has marked a decrease to Rs.44702.21 lakhs during 1985-'86 as against Rs.46165.64 lakhs reported during 1984-'85, the percentage decrease being 3.17.

2.2 Selected aggregate by principal economic activity:

The relative shares of the selected aggregates by the three broad divisions of the economic activity. Viz.

- i. Manufacturing.
- ii. Electricity and Water Supply and
- iii. Repair services are presented in the table below.

TABLE NO.2
SELECTED AGGREGATES BY PRINCIPAL ECONOMIC ACTIVITY 1985-'86

Sl. No.	Items	Units	Electricity			All Industries
			Manufacturing	and water supply	Repair services	
1	2	3	4	5	6	7
1.	No. of factories	Nos.	2981 (95.76)	23 (0.74)	109 (3.50)	3113 (100)
2.	Fixed capital	Rs. in lakhs	98457.81 (62.41)	56913.61 (37.35)	382.76 (0.24)	157754.18 (100)

(Contd.)

Table 2 contd.)

1	2	3	4	5	6	7
3. Working capital	Rs. in lakhs		45485.77 (70.72)	18658.03 (29.01)	174.63 (0.27)	64318.43 (100)
4. Productive capital	"		143943.57 (64.82)	77571.65 (34.93)	557.38 (10.25)	222072.60 (100)
5. Employees	Nos.		209819 (88.33)	20328 (8.56)	7393 (3.11)	237540 (100)
6. Total emoluments	Rs. in lakhs		23216.01 (80.33)	4439.81 (15.36)	1245.87 (4.31)	28901.69 (100)
7. Total input	"		231563.14 (97.53)	4968.96 (2.09)	899.78 (0.38)	237431.88 (100)
8. Total output	"		293436.58 (95.52)	11500.71 (3.74)	2257.81 (0.74)	307195.10 (100)
9. Value added	"		51696.63 (86.98)	6415.71 (10.80)	1321.55 (2.22)	59433.89 (100)
10. Factor of payment	"		14708.88 (99.85)	11.98 (0.08)	10.82 (0.07)	14731.68 (100)
11. Net income	"		36987.75 (82.74)	6403.73 (14.33)	1310.73 (2.93)	44702.21 (100)
12. Workers	Nos.		173714 (89.99)	13049 (6.76)	6269 (3.25)	193032 (100)

(The figures given in brackets are percentages)

An observation of the table reveals that 95.76% of the total factories covered in the survey belongs to the manufacturing sector. In the previous year it was 95.69 per cent. Of the remaining 3.50% belongs to Repair Services and 0.74% in the Electricity and Water Supply. In the previous year they were 3.91% and 0.40% respectively. This indicates that there is some marginal increase in the number of factories reported in the manufacturing sector as well as in the Electricity and Water Supply.

As regards the utilisation of fixed capital it may be observed that the manufacturing units covering all other units except repair services units constitute 62.41% of the fixed capital. The comparative figure for 1984-'85 is 61.86 per cent. The electricity and water supply undertakings covered 37.35 of the fixed capital though their number is very few. Corresponding figures for this sector for 1984-'85 is 37.78

percent. The repair services had only 0.24% of the fixed capital.

Though 88.33% of the total employees belonged to the manufacturing sector, its share in the total emoluments constituted only 80.33 per cent. This indicates the low rate of emoluments per employee. Electricity and water supply covered 15.36% of the total emoluments against 8.56% share of employees. Similarly repair services covered 4.31% of the total emoluments against 3.11% of the share of employees. These showed that the average emoluments per employee was highest in electricity and water supply Rs.21841 followed by repair services (Rs.16852) and manufacturing sector (Rs.11066). Though 95.52% of the total output was from the manufacturing sector the value added from this sector constituted only 86.98% out of the total. But from 3.74% of output the electricity sector was able to raise 10.80% of the total value added. Factor payment was very high in manufacturing sector with 99.85 per cent. But it was very meagre in electricity and repair services.

2.3 Structural Ratios and Technical Co-efficients:-

The structural ratios and technical co-efficients for the entire industrial sector for the year 1985-'86 are presented in table 3. Items 1 to 6 give per factory ratios and 7 to 11 give per employee ratios. Technical co-efficients are shown against items 12 to 15.

TABLE No.3
STRUCTURAL RATIOS AND TECHNICAL CO-EFFICIENTS 1985-'86

Sl. No.	Structural ratios/ Technical co-efficients	Units	Electricity			All Industries
			Manufact- uring	and water supply	Repair services	
1	2	3	4	5	6	7
1.	Structural ratios	Rs. in				
1.	Fixed capital/factory	Lakhs	33.03	2561.46	3.51	50.68
2.	Productive capital/factory	"	48.29	3372.68	5.11	71.34
3.	Gross output per factory	"	98.44	500.03	20.71	98.68
4.	Value added per factory	"	17.34	278.94	12.12	19.09
5.	Workers per factory	Nos.	58	567	58	62
6.	Employees per factory	"	70	884	68	76
7.	Fixed capital per employee	Rs.	46931	299815	5177	66419
8.	Productive capital per employee	"	68613	381600	7539	93500
9.	Gross output per employee	"	139871	56576	30540	129339
10.	Value added per employee	"	24642	31561	17876	25024
11.	Emoluments per employee	"	11066	21841	16852	12169

(Contd.)

(Table 3 contd.)

1	2	3	4	5	6	7
II. Technical Co-efficients						
12. Fixed capital to value added			1.90	9.18	0.29	2.65
13. Fixed capital to gross output			0.34	5.12	0.17	0.51
14. Value added to gross output			0.18	0.56	0.59	0.19
15. Emoluments to value added			0.45	0.69	0.94	0.49

From the above table it may be seen that an average factory in the state had a fixed capital of Rs.50.68 lakhs and a productive capital of 71.34 lakhs. On an average it employed 76 persons on each working day and produced a gross output worth Rs.98.68 lakhs in the year. The value added per factory during 1985-'86 was Rs.19.09 lakhs. An average factory in the electricity and water supply sector had a fixed capital of Rs.2561.46 lakhs and a productive capital of Rs.3372.68 lakhs. It employed 884 persons and produced output worth Rs.500.03 lakhs. On the contrary an average factory in the repair services had been working with a fixed capital of Rs.3.51 lakhs. It employed 68 persons and produced output worth Rs.20.71 lakhs during the current year.

An employee in the registered industrial sector on an average had been working with a fixed and productive capital of Rs.66000 and 93000 respectively.

The average emoluments drawn by an employee during the year was Rs.12169. The gross output per employee in all industries was Rs.129000 and value added per employee was Rs.25000. The fixed capital per employee was highest in Electricity and Water Supply sector. Next to it was in the manufacturing sector. The average fixed capital required to employ a person in the repair services sector was only Rs.5177. The productive capital per employee is only 7539 in this sector. The highest gross output per employee was in the manufacturing sector (Rs.139871) followed by Electricity sector (Rs.56576) and Repair Services (Rs.30540). The value added per employee during the year was Rs.25024. Electricity sector stood in the first place with Rs.31561 followed by manufacturing sector with Rs.24642 and then repair services with Rs.17876. The average emoluments per employee in the electricity and water supply services were Rs.21841 while the emoluments in the repair services and manufacturing sector were Rs.16852 and Rs.11066 respectively.

The capital output ratio measured as the ratio of fixed capital to value added, that is the ratio of fixed capital required to produce unit value is 2.65. The ratio of fixed capital to output is 0.51. The value added to the value of gross output is 0.19. The ratio of emoluments to value added is 0.49.

**CHAPTER 3 - ANALYSIS OF MAJOR STRUCTURAL CHARACTERISTICS
ALL INDUSTRIES**

The factories surveyed during the year under report are classified under major industrial groups at three digit level of National Industrial Classification codes 1970 and their important structural characteristics are presented in this chapter.

3.1 Number of Units:-

The details of industries having 20 units or more and the number of census units in each of the major industrial groups are given in Table No.4.

TABLE No.4
Arrangement of Industries according to number of units - 1985-'86

Sl. Code No.	Name of Industry	No.of Units	Census Sector	Percentage to total no.of units
1	2	3	4	5
1.	271 Sawing and planing of wood (other than plywood)	534	10	17.15
2.	320 Manufacture of structural clay products	315	41	10.12
3.	214 Cashewnut processing like drying, shelling, roasting salting, etc.	267	199	8.58
4.	226 Manufacture of bidi	240	28	7.71
5.	302 Manufacture of rubber products not elsewhere classified.	130	16	4.18
6.	973 Repair of motor vehicles and motor cycles	97	41	3.12
7.	235 Weaving and finishing of cotton textiles in handlooms, other than khadi	96	26	3.08
8.	212 Tea processing	85	47	2.73
9.	268 Manufacture of coir and coir products	79	13	2.54
10.	270 Manufacture of veneer, plywood and their products	79	17	2.54
11.	203 Canning, preserving and processing of fish, crustacean and similar foods	59	9	1.90
12.	285 Printing and publishing of periodicals, books, journals, atlases, maps and sheet music, directories, etc.	58	10	1.86

(Contd.)

(Table 4 contd.)

1	2	3	4	5	6
13.	340	Manufacture of fabricated metal products such as metal cans from tin-plate, turn plates or enamelled sheet metal, metal shipping containers, barrels, drums, kegs, pails, safes, vaults, enamelled sanitary and all other fabricated metal products not elsewhere classified.	50	4	1.61
14.	313	Manufacture of drugs and medicines	47	6	1.51
15.	204	Grain mill products	42	4	1.35
16.	343	Manufacture of hand tools and general hardware	40	8	1.28
17.	310	Manufacture of basic industrial organic and inorganic chemicals and gases such as acids, alkalies and their salts; gases like acetylene, oxygen, nitrogen, etc.	35	11	1.12
18.	229	Printing, publishing and allied activities not elsewhere classified like envelop printing, picture post card printing, embossing etc.	33	5	1.06
19.	211	Manufacture of other edible oils and fats eg. mustard oil, groundnut oil, till oil etc. (Indebl oils shown under 315)	31	1	1.00
20.	284	Printing and publishing of newspapers	29	13	0.93
21.	219	Manufacture of food products not elsewhere classified	26	-	0.84
22.	359	Manufacture and repair of non-electrical machinery, equipments components and accessories not elsewhere classified (such as sewing machines, automatic merchandising machines, washing, laundry, dry cleaning and pressing machines, cooking ranges and ovens, other service industry machines, arms and armament etc)	26	2	0.84
23.	311	Manufacture of fertilizers and pesticides	25	4	0.80
24.	231	Cotton spinning, weaving, shrinking, sanforizing, mercerising and finishing of cotton textiles in mills	25	25	0.80
25.	341	Manufacture of structural metal products	25	3	0.80

(contd.)

(Table 4 contd.)

1	2	3	4	5	6
26.	236	Weaving and finishing of cotton textiles in power-looms	24	-	0.77
27.	360	Manufacture of electrical industrial machinery and apparatus and parts (such as electrical motors, generators, transformers, electro magnetic clutches and brakes etc.)	24	8	0.77
28.	354	Industrial machinery, for other than food and textile industries	21	1	0.67
		Other Industries	571	552	18.34
		All Industries	3113	690	100.00

From the above table it may be noted that in terms of number of units registered, sawing and planing of wood (other than plywood) topped the list and was followed by manufacture of structural clay products, cashewnut processing like drying, shelling, roasting, salting, etc. manufacture of beedi, manufacture of rubber products not elsewhere classified, repair of motor vehicles and motor cycles. About 51% of the total units which come under these six groups of industries shows their relative importance in the industrial structure of the state and its economy. There are 28 industries in the state having 20 or more units as against 25 units in 1984-'85.

3.2 Fixed Capital:-

The fixed capital investment during the year under report is estimated as 1577.54 crores as against 1268.87 crores in the previous year. Distribution of fixed capital under different items of investment is given in Table 5.

TABLE No.5
Distribution of fixed capital - All industries - 1985-'86

Sl. No.	Items	Amount Rs. in lakhs	Percentage total
1	2	3	4
1.	Land	4011.68	2.54
2.	Improvement to land	5590.82	3.54
3.	Building	20238.18	12.86
4.	Plant & machinery	63730.52	40.40
5.	Transport equipment	1571.70	1.00
6.	Tools & other fixed assets	34720.20	22.01
7.	Assets under construction	27841.08	17.65
	Total fixed capital	157754.18	100.00

The above break-up shows that 40.40% of the total investment is in plant and machinery while 22.01% is in tools and other fixed assets. The investment in building and other assets under construction is 30.51%. The share of other components of fixed capital including land is 7.08% of the total fixed capital.

The fixed capital investment is highest in 'Generation and transmission of Electric Energy' which is more capital intensive. The investment under this group is ₹.58326.76 lakhs. This constitutes 36.97% of the total fixed capital investment. The manufacture of petroleum products not elsewhere classified comes next with an investment of ₹.18067.30 lakhs which forms 11.45% of the total investment. The manufacture of fertilizers and pesticides is ranked third with an investment of ₹.12214.55 lakhs. About 7.74% of the fixed capital investment is in this industry. These three groups of industries share 56.16% of the total fixed capital.

There are 47 groups of industries with a fixed capital investment of 2 crores and above. These industries are arranged in descending order of fixed capital investment in the table below.

TABLE No.6
Arrangement of industries according to
fixed capital - 1985-'86

Sl. Code No.	Name of Industry	Fixed ca-pital ₹. in lakhs	Percent- age to total
1	2	3	4
1. 400	Generation, transmission of electric energy and its distribution	58326.75	36.97
2. 304	Petroleum refineries	18067.30	11.45
3. 311	Manufacture of fertilisers and pesticides	12214.55	7.74
4. 280	Manufacture of pulp, paper and paper board including newsprint.	11366.49	7.21
5. 370	Ship building and repairing	8541.57	5.41
6. 324	Manufacture of cement, lime and plaster	4520.56	2.87
7. 231	Cotton spinning, weaving, shrinking, sanfo-rising merocerising and finishing of cotton textiles in mills.	4352.34	2.76

(Contd.)

(Table 6 contd.)

1	2	3	4	5
8.	310	Manufacture of basic industrial organic & inorganic chemicals and gases such as acids, alkalies and their salts; gases like acetylene, oxygen, nitrogen, etc.	3796.69	2.41
9.	319	Manufacture of chemical products not elsewhere classified (including photochemicals sensitised films and paper).	2824.94	1.79
10.	331	Foundaries for casting and forging iron and steel.	2684.63	1.70
11.	300	Tyre and tube industries	1834.61	1.16
12.	360	Manufacture of electrical industrial machinery and apparatus parts (such as electrical motors, generators transformers, electromagnetic clutches and brakes, etc.)	1606.92	1.02
13.	320	Manufacture of structural clay products	1592.49	1.01
14.	212	Tea processing	1557.43	0.99
15.	366	Manufacture of electronic computer, control instruments & other equipment	1419.14	0.90
16.	357	Manufacture of machine tools, their parts and accessories	1228.64	0.78
17.	302	Manufacture of rubber products not elsewhere classified	1132.31	0.72
18.	367	Manufacture of electronic components and accessories not elsewhere classified	1113.38	0.71
19.	284	Printing & publishing of newspapers	1089.57	0.69
20.	313	Manufacture of drugs & medicines	1062.81	0.67
21.	363	Manufacture of electrical apparatus, appliances and other parts such as lamps, bulbs, tubes, sockets, switches, fans, insulators (except porcelain), conductors, irons, heatres, shavers, cleaners, etc. excluding repairing.	925.91	0.59

(contd.)

(Table 6 contd.)

1	2	3	4	5
22.	260	Knitting mills	890.59	0.56
23.	375	Manufacture of motor cycles and scooters and parts.	870.68	0.55
24.	361	Manufacture of insulated wires & cables.	846.12	0.54
25.	316	Manufacture of turpentine, synthetic resins, plastic materials and synthetic fibres like nylon, terylene except glass.	772.32	0.49
26.	336	Zinc manufacturing	753.63	0.48
27.	364	Manufacture of radio & T.V. transmitting & receiving sets etc. including transistor radios.	716.33	0.45
28.	203	Canning, preserving and processing of fish, crustacean and similar foods.	700.84	0.44
29.	314	Manufacture of perfumes, cosmetics, lotions hair dressings, tooth pastes, soap in any form, synthetic detergents, shampoos, shaving products, cleaners, washing and scouring products and other toilet preparations.	699.32	0.44
30.	420	Water supply ie. collection, purification and distribution of water	586.86	0.37
31.	335	Aluminium manufacturing	553.20	0.35
32.	380	Manufacture of medical, surgical and scientific equipment	518.45	0.33
33.	330	Iron and steel industries	484.51	0.31
34.	340	Manufacture of fabricated metal products such as metal cans from tin-plate, terne plate or enamelled sheet metal, metal shipping containers, barrels, drums, kegs, pails safes, vaults, enamelled sanitary and all other fabricated metal products not elsewhere classified.	420.13	0.27

(Contd.)

(Table 6 contd.)

1	2	3	4	5
35.	268	Manufacture of coir and coir products	406.06	0.26
36.	329	Manufacture of miscellaneous non-metallic mineral products.	385.59	0.24
37.	285	Printing and publishing of periodicals, books, journals, atlases, maps and sheet music, directories, etc.	365.70	0.23
38.	220	Distilling, rectifying and blending of spirits.	344.25	0.22
39.	973	Repair of motor vehicles & motor cycles	322.37	0.20
40.	261	Manufacture of all types of threads, cordage, ropes, twines, nets, etc.	306.99	0.20
41.	204	Grain mill products	301.98	0.19
42.	271	Sawing & planing of wood (other than plywood).	300.59	0.19
43.	343	Manufacture of hand tools & general hardwares	292.70	0.19
44.	214	Cashewnut processing like drying, shelling, roasting, salting, etc.	284.25	0.18
45.	247	Spinning, weaving and finishing of other textiles-synthetic fibres, rayons, nylons, etc.	267.90	0.17
46.	341	Manufacture of structural metal products	250.66	0.16
47.	235	Weaving and finishing of cotton textiles in handloom, other than khadi.	217.47	0.14
		Other Industries	3635.66	2.30
		All Industries	157754.18	100.00

3.3 Working capital:-

The working capital in the factory sector during the year 1985-'86 is estimated at Rs.643 crores as against Rs.545 crores in the previous year. The working capital utilisation is highest in the generation and transmission of electric energy with 29% followed by **manufacture of petroleum products** with 10.86%. There are 43 groups of

industries having working capital utilisation of 2 crores or more during the year 1985-'86. There were 34 groups during 1984-'85. Of these groups of industries 20 groups have less than 1% share of the total working capital. Those industries are arranged in decending order of working capital employed.

TABLE No.7

Sl. Code No.	Name of Industry	Working capital N.in lakhs	Percent- age to total
1	2	3	4
			5
1.	400 Generation and transmission of electric energy.	18648.91	29.00
2.	304 Petroleum refineries	6988.72	10.86
3.	311 Manufacture of fertilizers and pesticides	2819.31	4.38
4.	310 Manufacture of baic industrial organic and inorganic chemicals and gases such as acids alkalies and their salts, gases like acetylene oxygen, nitrogen, etc.	2792.92	4.34
5.	370 Ship building and repairing	2611.21	4.06
6.	366 Manufacture of electronic computers, control instruments and other equipment.	2257.94	3.51
7.	214 Cashewnut processing like drying, shelling, roasting, salting, etc.	2185.22	3.40
8.	364 Manufacture of radio & T.V. transmitting and receiving sets, etc.	1667.00	2.59
9.	302 Manufacture of rubber products not elsewhere classified.	1614.22	2.51
10.	357 Manufacture of machine tools, their parts and accessories.	1605.24	2.50
11.	300 Tyre and tube industries	1515.20	2.36
12.	261 Manufacture of all types of threads, cordage, ropes, twines, nets, etc.	1326.79	2.06
13.	380 Manufacture of medical, surgical and and scientific equipment.	1107.04	1.72

(Contd.)

Table 7 contd.)

1	2	3	4	5
14.	314	Manufacture of perfumes, cosmetics, lotions, hair dressings, tooth pastes, soap in any form, synthetic detergents, shampoos, shaving products, cleaners, washing and scouring products and other toilet preparations.	1085.28	1.69
15.	231	Cotton spinning, weaving, shrinking, sanforising, mercerising and finishing of cotton textiles in mills.	1015.87	1.58
16.	212	Tea processing	1004.23	1.56
17.	220	Distilling, rectifying and blending of spirits.	988.84	1.54
18.	284	Printing and publishing of news papers	798.45	1.24
19.	280	Manufacture of pulp, paper and paper board including newsprint.	780.82	1.21
20.	336	Zinc manufacturing.	755.63	1.18
21.	285	Printing and publishing of periodicals, books, journals, atlases, maps and sheet music, directories etc.	738.33	1.15
22.	219	Manufacture of food products not elsewhere classified.	709.39	1.10
23.	320	Manufacture of structural clay products.	668.05	1.04
24.	319	Manufacture of chemical products not elsewhere classified (including photo-chemicals sensitized films and paper).	581.27	0.90
25.	268	Manufacture of cori and coir products.	545.03	0.85
26.	367	Manufacture of electronic components, and accessories not elsewhere classified.	476.18	0.74
27.	270	Manufacture of veneer, plywood and their products.	451.77	0.70

(contd.)

(Table 7 contd.)

1	2	3	4	5
28.	330	Iron and steel industries.	404.32	0.63
29.	340	Manufacture of fabricated metal products such as metal cans from tin-plate, turned plate or enamelled sheet metal, metal shipping containers, barrels, drums, kegs, pails, safes, vaults, enamelled sanitary and all other fabricated metal products not elsewhere classified.	396.47	0.62
30.	324	Manufacture of cement, lime and plaster	388.08	0.60
32.	341	Manufacture of electrical industrial machinery and apparatus and parts (such as electrical motors, generators, transformers electro-magnetic clutches and brakes etc.)	369.81	0.58
32.	341	Manufacture of structural metal products.	359.09	0.56
33.	235	Weaving and finishing of cotton textiles in handlooms, other than khadi.	342.14	0.53
34.	217	Manufacture of starch	293.73	0.46
35.	329	Manufacture of miscellaneous non-metallic mineral products.	287.25	0.45
36.	211	Manufacture of other edible oils and fats (mustard oil, ground nut oil, till oil etc)	272.14	0.42
37.	206	Manufacture and refining of sugar	265.04	0.41
38.	362	Manufacture of dry and wet batteries.	254.31	0.40
39.	271	Sawing and planing of wood (other than plywood).	234.10	0.36
40.	321	Manufacture of glass and glass products	221.33	0.34
41.	331	Foundries for casting and forging iron and steel.	213.20	0.33
42.	226	Manufacture of bidi.	209.56	0.33
43.	313	Manufacture of drugs and medicines	201.89	0.31
		Other industries	1867.11	2.90
		All Industries	64318.43	100.00

3.4 Productive capital:-

The total productive capital utilised by the factory sector during the year 1985-'86 is estimated as Rs.2220 crores as against Rs.1814 crores in the previous year. A productive capital investment of Rs.3 crores and above was made in 54 groups of industries during 1985-'86. Generation and transmission of electric energy, petroleum refineries, manufacture of fertilisers and pesticides, manufacture of pulp, paper and paper board including newsprint shares 58.18% of the total productive capital investment. The industries with productive capital investment of Rs.3 crores and above are arranged in descending order in the table 8.

TABLE No.8
Arrangement of industries according to
productive capital - 1985-'86

Sl. No.	Code	Name of Industry	Productive capital in lakhs	Percent- age to total
1	2	3	4	5
1.	400	Generation and transmission of electric energy	76975.67	34.67
2.	304	Petroleum refineries	25056.02	11.29
3.	311	Manufacture of fertilisers and pesticides	15033.86	6.77
4.	280	Manufacture of pulp, paper and paper board including newsprint.	12147.31	5.47
5.	370	Ship building and repairing.	11152.78	5.02
6.	310	Manufacture of basic industrial organic and inorganic chemicals and gases such as acids alkalies and their salts, gases like acetylene, oxygen, nitrogen, etc.	6589.61	2.97
7.	231	Cotton spinning, weaving, shrinking, sanforising, and finishing of cotton textiles in mills.	5368.21	2.42
8.	324	Manufacture of cement, lime and plaster.	4908.64	2.21
9.	366	Manufacture of electronic computer, control instruments and other equipment.	3677.08	1.66
10	319	Manufacture of chemical products not elsewhere classified (including photo-chemicals, sensitised films and paper).	3406.21	1.53

(Contd.)

(Table 8 contd.)

1	2	3	4	5
11	300	Tyre and tube industries.	3349.81	1.51
12	331	Foundaries for casting and forging iron and steel.	2897.83	1.30
13.	357	Manufacture of machine tools, their parts and accessories.	2833.88	1.28
14.	302	Manufacture of rubber products not elsewhere classified.	2746.53	1.24
15.	212	Tea processing.	2561.66	1.15
16.	214	Cashewnut processing like drying, shelling roasting, salting, etc.	2469.47	1.11
17.	364	Manufacture of radio and television transmitting and receiving sets, etc.	2383.33	1.07
18.	320	Manufacture of structural clay products	2260.54	1.02
19.	360	Manufacture of electrical industrial machinery and apparatus and parts	1976.73	0.89
20.	284	Printing and publishing of newspapers	1882.02	0.85
21.	314	Manufacture of perfumes, cosmetics, lotions hair dressings, etc.	1784.60	0.80
22.	261	Manufacture of all types of threads, cordage, ropes, etc.	1633.78	0.74
23.	380	Manufacture of medical, surgical and and scientific equipments.	1625.49	0.73
24.	367	Manufacture of electronic components and and accessories.	1589.56	0.72
25.	336	Zinc manufacturing.	1509.26	0.68
26.	270	Manufacture of veneer, plywood and their products.	1342.36	0.60
27.	220	Distilling, rectifying and blending of spirits.	1333.09	0.60
28.	313.	Manufacture of drugs and medicines.	1264.70	0.57

(Contd.)

(Table 8 contd.)

1	2	3	4	5
29.	285	Printing & publishing of periodicals, books and journals.	1104.03	0.30
30.	363	Manufacture of electrical apparatus, appliances and other parts.	1060.33	0.48
31.	375	Manufacture of motor-cycles & scooters and parts.	986.31	0.44
32.	268	Manufacture of coir and coir products.	951.08	0.43
33.	330	Iron and steel industries.	888.83	0.40
34.	340	Manufacture of fabricated metal products.	816.60	0.37
35.	361	Manufacture of insulated wires and cables.	792.14	0.36
36.	219	Manufacture of food products not elsewhere classified.	785.17	0.35
37.	203	Canning, preserving and processing of fish.	769.71	0.35
38.	329	Manufacture of miscellaneous non-metal mineral products.	672.84	0.30
39.	341	Manufacture of structural metal products.	609.75	0.27
40.	420	Water supply, ie. collection, purification and distribution of water.	595.98	0.27
41.	235	Weaving and finishing of cotton textiles in handloom.	559.61	0.25
42.	271	Sawing and planing of wood other than plywood.	534.69	0.24
43.	973	Repair of motor vehicles & motor cycles.	473.73	0.21
44.	217	Manufacture of starch.	451.64	0.20
45.	362	Manufacture of dry and wet batteries.	446.93	0.20
46.	211	Manufacture of other edible oils.	406.69	0.18
47.	204	Grain mill products	399.39	0.18

(Contd.)

(Table 8 contd.)

1	2	3	4	5
48.	335	Aluminium manufacturing.	377.58	0.17
49.	321	Manufacture of glass and glass products.	374.64	0.17
50.	222	Malt liquors and malt.	353.32	0.16
51.	316	Manufacture of turpentine, synthetic resins and fibres.	349.21	0.16
52.	247	Spinning, weaving and finishing of synthetic fibres, rayons, etc.	333.31	0.15
53.	206	Manufacture and refining of sugar.	320.81	0.14
54.	226	Manufacture of beedi.	313.87	0.14
		Other Industries	4578.38	2.06
		All Industries	222072.60	100.00

3.5 Invested capital:-

Invested capital is the sum of fixed capital and physical working capital.

The total invested capital in the factory sector is estimated as ₹.2236 crores during the year 1985-'86 as against ₹.1913 crores during the previous year. The invested capital is highest in generation and transmission of electric energy with 28.15% of the total invested capital. The invested capital in generation and transmission of electric energy, petroleum refineries, manufacture of fertilisers and pesticides, ship building and repairing, and manufacture of pulp, paper and paper board formed 59.18% of the total invested capital. There are 19 groups of industries with more than 1% share in invested capital in each of them.

There are 53 groups of industries with invested capital of ₹.3 crores and above. These industries are arranged in decending order of magnitude of invested capital in the table 9.

TABLE No.9
Arrangement of industries according to
invested capital 1985-'86.

Sl. Code No.	Name of industry	Invested capital Rs. in lakhs	Percent- age to total
1	2	3	4
1. 400	Generation and transmission of electric energy and its distribution.	62960.58	28.35
2. 304	Petroleum refineries.	25529.14	11.50
3. 311	Manufacture of fertilisers & pesticides.	15976.71	7.19
4. 370	Ship building & repairing.	14649.46	6.60
5. 280	Manufacture of pulp, paper and paper board.	13271.26	5.98
6. 231	Cotton spinning, weaving and finishing of cotton textiles.	7229.71	3.26
7. 310	Manufacture of basic and industrial, organic and inorganic chemicals and gases.	6173.54	2.78
8. 324	Manufacture of cement, lime and plaster.	5347.27	2.41
9. 319	Manufacture of chemical products not else-classified.	3722.97.	1.67
10. 357	Manufacture of machine tools, their parts and accessories.	3505.64	1.58
11. 360	Manufacture of electrical industrial machinery and apparatus and parts.	3387.52	1.52
12. 331	Foundaries for casting and forging iron and steel.	3381.96	1.52
13. 300	Tyre and tube industries.	3260.52	1.47
14. 214	Cashewnut processing like drying, shelling, etc.	3130.12	1.41
15. 366	Manufacture of electronic computer and other equipments.	2935.88	1.32
16. 212	Tea processing.	2718.78	1.22

(Contd.)

1	2	3	4	5
17.	364	Manufacture of radio and television, transmitting and receiving sets including transistor radio.	2532.12	1.14
18.	302	Manufacture of rubber products not elsewhere classified.	2455.85	1.11
19.	320	Manufacture of structural clay products.	2346.29	1.06
20.	336	Zinc manufacturing.	2008.19	0.90
21.	367	Manufacture of electronic components and accessories.	1835.29	0.83
22.	313	Manufacture of drugs and medicines.	1822.51	0.82
23.	361	Manufacture of insulated wires and cables.	1705.80	0.77
24.	261	Manufacture of all types of threads, cordage, ropes, etc.	1640.75	0.74
25.	270	Manufacture of veneer, plywood and their products.	1629.50	0.73
26.	284	Printing & publishing of newspapers.	1542.27	0.69
27.	380	Manufacture of medical, surgical and scientific equipments.	13460.3	0.61
28.	330	Iron and steel industries.	1303.98	0.59
29.	335	Aluminium manufacturing	1240.67	0.56
31.	363	Manufacture of electrical apparatus, appliances and other parts.	1217.76	0.56
33.	211	Manufacture of other edible oils.	966.69	0.44
34.	340	Manufacture of fabricated metal products.	966.03	0.43
35.	316	Manufacture of turpentine, synthetic resins, and fibres.	9520.5	0.43
36.	268	Manufacture of coir and coir products.	872.17	0.39
37.	285	Printing and publishing of periodicals, books and journals.	837.64	0.38

(Contd.)

(Table 9 contd.)

1	2	3	4	5
38.	220	Distilling, rectifying and blending of spirits.	826.10	0.37
39.	219	Manufacture of food products not elsewhere classified.	762.04	0.34
40.	329	Manufacture of miscellaneous non-metal mineral products.	692.89	0.31
41.	420	Water supply, collection, purification and distribution of water.	596.36	0.27
42.	341	Manufacture of structural metal products.	582.73	0.26
43.	235	Weaving and finishing of cotton textiles in handlooms other than khadi.	569.32	0.26
44.	343	Manufacture of hand tools and general hardware.	544.95	0.24
45.	271	Sawing and planing of wood other than plywood.	531.72	0.24
46.	973	Repair of motor vehicles and motor cycles.	476.80	0.21
47.	204	Grain mill products.	449.77	0.20
48.	247	Spinning, weaving and finishing of synthetic fibres, rayons, etc.	419.43	0.19
49.	362	Manufacture of dry and wet batteries.	411.75	0.19
50.	350	Manufacture of agricultural machinery and parts.	351.50	0.16
51.	226	Manufacture of beedi.	341.50	0.16
52.	222	Malt liquors and malt	309.51	0.14
53.	202	Canning and preservation of fruits and and vegetables.	304.38	0.14
		Other Industries	5188.59	2.34
		All Industries	222078.61	100.00

3.6 Outstanding loans:-

The total amount of loans outstanding against the factories covered in the survey at the end of March 1986 is ₹.1765 crores. In the previous year it was ₹.1540 crores. Outstanding loans are more than the fixed capital. The loan amount constitutes 111.89% of the fixed capital. About 66.51% of the loan amount is outstanding against 8 industries, generation and transmission of electric energy; petroleum refineries; ship building and repairing; manufacturing of pulp, paper and paper board; cotton spinning, weaving and finishing of cotton textiles; manufacture of radio and television, transmitting receiving sets, etc.; manufacture of cement, lime and plaster and manufacture of electrical industrial machinery apparatus and parts. The highest amount of loan outstanding is against generation and transmission of electric energy. This industry has a loan amount of ₹.534 crores which is 30.26% of the total outstanding loan in the factory sector and 91.56% of the fixed capital and 69.38% of the productive capital of the industry. There are 52 groups of industries with outstanding loan of ₹.2 crores and more during 1985-'86. These industries are arranged in descending order of magnitude of loan amount in the table below.

Table No.10
Arrangement of industries according to
outstanding loan 1985-'86

S1. Code No.	Name of Industry	Outstand- ing loan ₹.in lakhs	Percent- age to total
1	2	3	4
			5
1. 400	Generation and transmission of electric energy and distribution of electric energy to household, industrial, commercial and other users.	53404.79	30.26
2. 304	Petroleum refineries.	23879.78	13.53
3. 370	Ship building and repairing.	11372.65	6.44
4. 280	Manufacture of pulp, paper and paper board (including newsprint)	7532.68	4.27
5. 231	Cotton spinning, weaving, shrinking, sanforising, mercerising and finishing of cotton cotton textiles in mills.	6251.14	3.54
6. 364	Manufacture of radio and television transmitting and receiving sets including transistor radio sets, etc.	5480.81	3.11

(Contd.)

(Table 10 contd.)

1	2	3	4	5
7.	324	Manufacture of cement, lime and plaster.	4792.54	2.72
8.	360	Manufacture of electrical industrial machinery and apparatus and parts.	4685.54	2.65
9.	310	Manufacture of basic and industrial, organic and inorganic chemicals and gases such as acids, alkalies and their salts, gases like acetylene, oxygen, nitrogen, etc.	4618.68	2.62
10.	300	Tyre and tube industries.	3622.44	2.06
11.	319	Manufacture of chemical products not elsewhere classified.	3585.63	2.03
12.	284	Printing and publishing of newspapers.	3584.25	2.03
13.	214	Cashewnut processing like drying, shelling, roasting, salting, etc.	3335.90	1.89
14.	331	Foundries for casting and forging iron and steel.	3119.44	1.77
15.	314	Manufacture of perfumes, cosmetics, etc. lotions, hair dressings, tooth pastes, etc.	2497.17	1.41
16.	366	Manufacture of electronic computers, control instruments and other equipment.	2441.74	1.38
17.	361	Manufacture of insulated wires and cables.	2353.60	1.33
18.	316	Manufacture of turpentine, synthetic resins, plastic materials and synthetic fibres like nylon, terylene except glass.	2146.01	1.22
19.	357	Manufacture of machine tools their parts and accessories.	2125.70	1.20
20.	367	Manufacture of electronic components and accessories not elsewhere classified.	1999.91	1.13
21.	313	Manufacture of drugs and medicines.	1991.14	1.13
22.	270	Manufacture of veneer, plywood and their products.	1458.18	0.83
23.	380	Manufacture of medical, surgical and scientific equipment.	1383.81	0.78

(Contd.)

(Table 10 contd.)

1.	2	3	4	5
24.	302	Manufacture of rubber products not elsewhere classified.	1380.98	0.78
25.	203	Canning, preserving and processing of fish, crustacean and similar foods.	1145.90	0.65
26.	320	Manufacture of structural clay products.	1066.88	0.60
27.	343	Manufacture of hand tools and general hardware.	1029.10	0.58
28.	363	Manufacture of electrical apparatus, appliances and other parts such as lamps, bulbs, tubes, sockets, switches, fans, insulators (except porcelain) conductors, irons, heaters, shavers, vacuum cleaners, etc. excluding repairing.	1004.76	0.57
29.	268	Manufacture of coir and coir products.	894.81	0.51
30.	375	Manufacture of motor cycles and scooters and parts.	864.69	0.49
46.	285	Printing and publishing of periodicals, books, journals, atlases, maps and sheet music, directories, etc.	280.17	0.16
47.	265	Manufacture of rain coats, hats, etc.	251.38	0.14
48.	202	Canning and preservation of fruits and vegetables.	245.82	0.14
49.	247	Spinning, weaving and finishing of other textiles, synthetic fibres, rayons, nylons, etc.	210.52	0.12
50.	224	Soft drinks and carbonated water industries.	209.92	0.12
51.	219	Manufacture of food products not elsewhere classified.	203.41	0.12
52.	321	Manufacture of glass and glass products.	200.52	0.11
		Other industries	2856.40	1.61
		All Industries	176504.70	100.00

3.7 Workers:-

The number of workers in the factory sector during the year is estimated as 1.93 lakhs as against 1.95 lakhs during the previous year. Of this about 27.27% was engaged in cashew processing units. The number of workers in the cashew processing units during the year was 52640. The workers employed in the cashew processing units has decreased in actual number and percentage to total workers in the factory sector when compared to the previous year. During the previous year the number of workers engaged in the cashew processing units were 58641 and their percentage to total workers was 30.12. It is also seen that about 53.78% of the workers in the factory sector are engaged in the traditional industries of cashewnut processing, beedi manufacturing, structural clay products, cotton spinning, weaving and finishing of cotton textiles, sawing and planing of wood and tea processing. There are 29 groups of industries having more than 1000 workers in each of them and 17 groups of industries have more than 1% share of the total number of workers in each. These industries are arranged in decending order of magnitude in table 11 below.

Table No.11
Arrangement of industries according to number of workers

Sl. No.	Code	Name of Industry	Total No. of workers	Percentage to total
1	2	3	4	5
1.	214	Cashewnut processing like drying, shelling, etc.	52640	27.27
2.	226	Manufacture of beedi.	16284	8.43
3.	400	Generation & transmission of electric energy and its distribution.	12748	6.60
4.	320	Manufacture of structural clay products.	11890	6.16
5.	231	Cotton spinning, weaving and finishing of cotton textiles.	11833	6.13
6.	271	Sawing and planing of wood, other than plywood.	6658	3.45
7.	235	Weaving and finishing of cotton textiles in handloom.	5508	2.85
8.	973	Repair of motor vehicles & motor cycles.	4965	2.57
9.	311	Manufacture of fertilisers & pesticides.	4662	2.41
10.	212	Tea processing.	4526	2.34
11.	302	Manufacture of rubber products not elsewhere classified.	4170	2.16

(Contd.)

(Table 11 contd.)

1	2	3	4	5
12.	310	Manufacture of basic industrial organic and inorganic chemicals and gases.	3890	2.02
13.	285	Printing & publishing of periodicals, books, and journals.	2770	1.43
14.	360	Manufacture of electrical industrial machinery and apparatus and parts.	2718	1.41
15.	268	Manufacture of coir and coir products.	2142	1.11
16.	261	Manufacture of all types of threads, cordage, ropes, etc.	2025	1.05
17.	357	Manufacture of machine tools, their parts and accessories.	1996	1.03
18.	280	Manufacture of pulp, paper and paper board	1820	0.95
19.	313	Manufacture of drugs & medicines.	1795	0.93
20.	300	Tyre and tube industries.	1696	0.88
21.	270	Manufacture of veneer, plywood and their products.	1669	0.86
22.	314	Manufacture of perfumes, cosmetics, lotions, hair dressings, etc.	1594	0.83
23.	203	Canning, preserving and processing of fish.	1472	0.76
24.	370	Ship building and repairing.	1440	0.75
25.	284	Printing & publishing of newspapers.	1402	0.73
26.	979	Repair of enterprises not elsewhere classified.	1210	0.63
27.	374	Manufacture of motor vehicles and parts.	1157	0.60
28.	380	Manufacture of medical, surgical and scientific equipments.	1116	0.58
29.	343	Manufacture of handtools and general hardware.	1053	0.55
		Other Industries	24177	12.53
		All Industries	193032	100.00

3.8 Employment:-

The total employment provided by the factory sector during 1985-'86 is 2.37 lakhs as against 2.50 lakhs in 1984-'85. The number of employees is highest in cashew processing industry. But compared to the previous year a decrease in the number of employees and their percentage to total employment were noticed in this industry. During the year the employment in the cashew industry is 57266 which is 24.11% of the total employment. It was 65638 during the year 1984-'85 and its percentage to total employees was 26.15. Kerala State Electricity Board is the single largest employer in the state. It engaged about 8.42% of the total employees in the factory sector. There are 38 groups of industries with 1000 or more employees during the year. They are arranged in descending order of magnitude in table 12 below.

Table No.12
Arrangement of industries according to number of
employees 1985-'86

Sl. No.	Sl. Code	Name of Industry	No. of employees (Nos.)	Percentage to Total
1	2	3	4	5
1.	214	Cashewnut processing like drying, shelling, etc.	57266	24.11
2.	400	Generation & transmission of electric energy and its distribution.	19992	8.42
3.	226	Manufacture of beedi.	17019	7.16
4.	320	Manufacture of structural clay products.	13395	5.64
5.	231	Cotton spinning, weaving and finishing of cotton textiles.	13068	5.50
6.	271	Sawing and planing of wood other than plywood.	7889	3.32
7.	311	Manufacture of fertilisers & pesticides.	5900	2.49
8.	973	Repair of motor vehicles and motor cycles.	5869	2.47
9.	235	Weaving and finishing of cotton textiles in handlooms.	5549	2.34
10.	212	Tea processing.	5402	2.28
11.	310	Manufacture of basic industrial organic and inorganic chemicals and gases.	5376	2.26
12.	302	Manufacture of rubber products not elsewhere classified.	5201	2.19

(Contd.)

(Table 12 contd.)

1	2	3	4	5
13.	360	Manufacture of electrical industrial machinery and apparatus and parts.	3763	1.58
14.	285	Printing & publishing of periodicals, books, and journals.	3493	1.47
15.	270	Manufacture of veneer, plywood and their products.	3189	1.34
16.	357	Manufacture of machine tools, their parts and accessories.	3118	1.31
17.	268	Manufacture of coir and coir products.	2879	1.21
18.	313	Manufacture of drugs and medicines.	2708	1.14
19.	300	Tyre and tube industries.	2541	1.07
20.	284	Printing and publishing of newspapers.	2530	1.07
21.	370	Ship building & repairing.	2483	1.05
22.	261	Manufacture of all types of threads, cordage, ropes, etc.	2389	1.01
23.	280	Manufacture of pulp, paper and paper board.	2211	0.93
24.	203	Canning, preserving and processing of fish.	2177	0.92
25.	314	Manufacture of perfumes, cosmetic lotions hair dressings, etc.	2046	0.86
26.	380	Manufacture of medical, surgical and scientific equipments.	1608	0.68
27.	331	Foundries for casting and forging iron and steel.	1551	0.65
28.	979	Repair of enterprises not elsewhere classified.	1408	0.59
29.	364	Manufacture of radio and television transmitting and receiving sets including transistor radio	1384	0.58
30.	374	Manufacture of motor vehicles and parts	1352	0.57

(Contd.)

(Table 12 contd.)

1	2	3	4	5
31.	343	Manufacture of hand tools and general hardwares.	1315	0.55
32.	340	Manufacture of fabricated metal products.	1263	0.53
33.	324	Manufacture of cement, lime & plaster.	1215	0.51
34.	335	Aluminium manufacturing.	1157	0.49
35.	367	Manufacture of electronic components and accessories.	1151	0.48
36.	330	Iron and steel industries.	1124	0.47
37.	366	Manufacture of electronic computer and other equipments.	1115	0.47
38.	220	Distilling, rectifying and blending of spirits.	1102	0.46
		Other Industries	23342	9.83
		All Industries	237540	100.00

3.9 Wages to workers:-

The wages paid to workers in the factory sector during 1985-'86 is Rs.178 crores as against Rs.157 crores during the previous year. The number of workers have decreased by 1.03% but the wages have increased by 13.37% which shows an improvement in the rate of wages paid to workers in the factory sector. The wages paid was highest in generation and transmission of electric energy with 26.85 crores followed by cotton spinning, weaving and finishing of cotton textiles with 16.95 crores. There are 35 groups of industries with annual wage rate of Rs.1 crore or more during the year. It may be noted that though the cashewnut processing workers formed 27.27% of the total workers their share in the total wage bill of the sector was only 4.78 per cent. At the same time the workers in the generation and transmission of electric energy who formed only 6.60% of the total workers got a share of 15.05% of the total wages paid in the sector. 24 groups of industries paid to Rs.2 crores or more to its workers as wages. There are 35 groups of industries which have paid Rs.1 crore or more as wage to their workers as against 32 groups in the previous year. These industries are arranged in descending order of magnitude in table number 13 below.

Table No.13
Arrangement of industries according to wages to workers
1985-'86

Sl. No.	Code	Name of Industry	Wages to	Percentage
			workers Rs. in lakhs	to total
1	2	3	4	5
1.	400	Generation & transmission of electric energy and its distribution.	2685.98	15.05
2.	231	Cotton spinning, weaving and finishing of cotton textiles.	1696.96	9.51
3.	311	Manufacture of fertilisers and pesticides.	1178.16	6.60
4.	320	Manufacture of structural clay products.	907.93	5.09
5.	310	Manufacture of basic industrial organic & inorganic chemicals and gases.	861.83	4.83
6.	214	Cashewnut processing like drying, shelling, etc.	852.51	4.78
7.	226	Manufacture of beedi.	821.93	4.60
8.	973	Repair of motor vehicles & motor cycles.	683.28	3.83
9.	302	Manufacture of rubber products not elsewhere classified.	452.04	2.53
10.	357	Manufacture of machine tools, their parts and accessories.	399.15	2.23
11.	360	Manufacture of electrical industrial machinery and apparatus and parts.	389.29	2.18
12.	261	Manufacture of all types of threads, cordage, ropes, etc.	357.11	2.00
13.	280	Manufacture of pulp, paper and paper board.	304.20	1.70
14.	285	Printing & publishing of periodicals, books and journals.	270.20	1.51
15.	370	Ship building and repairing.	269.46	1.51
16.	235	Weaving and finishing of cotton textiles in handlooms.	268.88	1.51
17.	335	Aluminium manufacturing.	257.66	1.44
18.	212	Tea processing.	249.27	1.40

(Contd.)

(Table 13 contd.)

1.	2.	3.	4.	5.
19.	314	Manufacture of perfumes, cosmetics, lotions hair dressings, etc.	248.18	1.39
20.	300	Tyre and tube industries.	237.40	1.33
21.	284	Printing & publishing of newspapers.	232.93	1.30
22.	270	Manufacture of veneer, plywood and their products.	230.84	1.29
23.	271	Sawing and planing of wood other than plywood.	220.50	1.24
24.	313	Manufacture of drugs and medicines.	218.03	1.22
25.	374	Manufacture of motor vehicles and parts.	190.42	1.07
26.	979	Repair of enterprises not elsewhere classified.	185.55	1.04
27.	380	Manufacture of medical, surgical and and scientific equipments.	180.24	1.01
28.	324	Manufacture of cement, lime and plaster.	179.00	1.00
29.	364	Manufacture of radio and television, trans- mitting and receiving sets including transistor radio.	171.69	0.96
30.	330	Iron and steel industries.	134.47	0.75
31.	268	Manufacture of coir and coir products.	126.15	0.71
32.	363	Manufacture of electrical apparatus, appliances and other parts.	122.65	0.69
33.	331	Foundries for casting and forging iron and steel.	105.77	0.59
34.	367	Manufacture of electronic components and accessories.	103.45	0.58
35.	361	Manufacture of insulated wires and cables.	101.60	0.57
		Other Industries	1956.57	10.96
		All Industries	17851.28	100.00

3.10 Emoluments:-

The total emoluments constitute wages, salaries, bonus and imputed value of benefits in kind. The total emoluments paid by the factory sector during 1985-'86 is estimated as Rs.289 crores as against Rs.256 crores in the previous year. The highest amount of emoluments paid to employees is in the generation and transmission of electric energy. It paid Rs.44 crores as emoluments which formed 15.22% of the total emoluments paid in the sector. It is followed by cotton spinning, weaving and finishing of cotton textiles with Rs.21.52 crores. The third and fourth places were occupied by manufacture of fertilisers and pesticides and manufacture of basic industrial organic and inorganic chemicals and gases. There are 45 groups of industries with total emoluments of Rs.1 crore or more in the year as against 47 groups in the previous year. They are arranged in decending order of magnitude in table number 14 below.

Table No.14
Arrangement of industries according to total emoluments 1985-'86

S1. Code No.	Name of Industry	Total em-oluments Rs.in lakhs	Percentage to total
1	2	3	4
1.	400 Generation and transmission of electric energy and its distribution.	4397.64	15.21
2.	231 Cotton spinning, weaving and finishing of cotton textiles.	2132.38	7.38
3.	311 Manufacture of fertilisers and pesticides	1877.75	6.49
4.	310 Manufacture of basic industrial organic and inorganic chemicals and gases.	1472.58	5.09
5.	320 Manufacture of structural clay products.	1303.00	4.51
6.	214 Cashewnut processing like drying, shelling, etc.	1198.87	4.15
7.	973 Repair of motor vehicles and motor cycles	992.29	3.43
8.	226 Manufacture of beedi.	950.55	3.29
9.	357 Manufacture of machine tools, their parts and accessories.	940.24	3.25
10.	370 Ship building and repairing	716.94	2.48
11.	360 Manufacture of electrical industrial machinery and apparatus and parts.	696.47	2.41
12.	302 Manufacture of rubber products not elsewhere classified.	679.98	2.35

(Contd.)

(Table 14 contd.)

1	2	3	4	5
13.	300	Tyre and tube industries.	581.84	2.01
14.	285	Printing and publishing of periodicals, books and journals.	550.41	1.90
15.	284	Printing and publishing of newspapers.	538.74	1.86
16.	280	Manufacture of pulp, paper & paper board.	489.85	1.69
17.	261	Manufacture of all types of threads, cordage, ropes, etc.	474.11	1.64
18.	314	Manufacture of perfumes, cosmetics, lotions, hair dressings, etc.	428.07	1.48
19.	313	Manufacture of drugs and medicines.	413.38	1.43
20.	235	Weaving and finishing of cotton textiles in handlooms.	408.11	1.41
21.	212	Tea processing.	399.69	1.38
22.	335	Aluminium manufacturing.	398.83	1.38
23.	270	Manufacture of veneer, plywood and their products.	369.61	1.28
24.	380	Manufacture of medical, surgical and scientific equipments.	331.53	1.15
25.	364	Manufacture of radio and television, transmitting and receiving sets including transistor radio.	328.42	1.14
26.	324	Manufacture of cement, lime and plaster.	306.97	1.06
27.	271	Sawing and planing of wood other than plywood.	296.95	1.03
28.	366	Manufacture of electronic computer and other equipments.	264.67	0.92
29.	330	Iron and steel industries.	252.06	0.87

(Contd.)

(Table 14 contd.)

1	2	3	4	5
30.	979	Repair enterprises not elsewhere classified.	237.21	0.82
31.	268	Manufacture of coir and coir products.	236.78	0.82
32.	304	Petroleum refineries.	233.44	0.81
33.	331	Foundries for casting and forging iron and steel.	232.30	0.80
34.	367	Manufacture of electronic components and accessories.	220.59	0.76
35.	361	Manufacture of insulated wires and cables.	213.84	0.74
36.	220	Distilling, rectifying and blending of spirits.	197.94	0.69
37.	363	Manufacture of electrical apparatus, appliances and other parts.	175.76	0.61
38.	340	Manufacture of fabricated metal products	171.74	0.59
39.	203	Canning, preserving and processing of fish.	147.43	0.51
40.	343	Manufacture of handtools & general hardware.	146.73	0.51
41.	329	Manufacture of miscellaneous non-metal mineral products.	130.82	0.45
42.	341	Manufacture of structural metal products.	124.03	0.43
43.	362	Manufacture of dry and wet batteries.	120.67	0.42
44.	201	Manufacture of diary products.	109.74	0.38
45.	336	Zinc manufacturing.	104.84	0.36
		Other Industries.	1905.89	6.63
		All Industries.	28901.69	100.00

3.11 Input:-

All manufacturing costs of the factory are included in the total input. The total input consumed by the manufacturing sector during the year 1985-'86 is estimated as Rs.2374 crores as against 1761 crores during the previous year. Out of this 84.93% was cost of materials, 5.92% cost of fuels, and the remaining 9.15% cost of other items of input, 51 groups of industries with a consumption of inputs worth Rs.5 crores or more which are arranged in decending order of inputs are given in Table 15 below.

Table No.15
Arrangement of industries according to total input 1985-'86

Sl. No.	Code	Name of Industry	Total in- put Rs.in lakhs	Percentage to total
1	2	3	4	5
1.	304	Petroleum refineries.	53375.11	22.48
2.	311	Manufacture of fertilisers and pesticides.	22062.92	9.29
3.	212	Tea processing.	11787.57	4.97
4.	302	Manufacture of rubber products not elsewhere classified.	11382.46	4.79
5.	211	Manufacture of other edible oils.	9096.27	3.83
6.	214	Cashewnut processing like drying, shelling, etc.	8892.03	3.75
7.	219	Manufacture of food products not elsewhere classified.	8490.76	3.58
8.	231	Cotton spinning, weaving and finishing of cotton textiles.	7383.64	3.11
9.	310	Manufacture of basic industrial organic and inroganic chemicals and gases.	7260.32	3.06
10.	203	Canning, preserving and processing of fish.	6445.79	2.71
11.	300	Tyre and tube industries.	5697.69	2.40
12.	314	Manufacture of perfumes, cosmetics, lotions, hair dressings.	5053.44	2.13

(Contd.)

(Table 15 contd.)

1	2	3	4	5
13.	400	Generation transmission of electric energy and its distribution.	4504.59	1.90
14.	280	Manufacture of pulp, paper & paper board.	4273.01	1.80
15.	284	Printing and publishing of newspapers.	3621.97	1.53
16.	319	Manufacture of chemical products not elsewhere classified.	3421.95	1.53
17.	360	Manufacture of electrical industrial machinery and apparatus and parts.	3310.75	1.39
18.	335	Aluminium manufacturing.	2909.05	1.23
19.	366	Manufacture of electronic computer and other equipments.	2869.10	1.21
20.	268	Manufacture of coir and coir products.	2611.52	1.10
21.	204	Grain mill products.	2529.03	1.07
22.	226	Manufacture of beedi.	2394.22	1.01
23.	364	Manufacture of radio and television, transmitting and receiving sets including transistor radio.	2379.70	1.00
24.	330	Iron and steel industries.	2297.34	0.97
25.	313	Manufacture of drugs and medicines.	2273.96	0.96
26.	324	Manufacture of cement, lime and plaster.	2056.29	0.87
27.	370	Ship building and repairing.	2049.76	0.86
28.	261	Manufacture of all types of threads, cordage, ropes, etc.	1966.50	0.83
29.	361	Manufacture of insulated wires and cables.	1928.57	0.81
30.	336	Zinc manufacturing.	1925.82	0.81
31.	235	Weaving and finishing of cotton textiles in handlooms.	1775.42	0.75

(Contd.)

(Table 15 contd.)

1	2	3	4	5
32.	201	Manufacture of diary products.	1736.52	0.73
53.	340	Manufacture of fabricated metal products.	1707.28	0.72
34.	270	Manufacture of veneer, plywood and their products.	1645.31	0.69
35.	320	Manufacture of structural clay products.	1548.03	0.65
36.	271	Sawing and planing of wood other than plywood.	1542.31	0.65
37.	331	Foundries for casting and forging iron and steel.	1340.97	0.56
38.	357	Manufacture of machine tools, their parts and accessories.	1264.26	0.53
39.	220	Distilling, rectifying and blending of spirits.	1186.08	0.50
40.	380	Manufacture of medical, surgical and scientific equipments.	1183.76	0.50
41.	362	Manufacture of dry & wet batteries.	1135.02	0.48
42.	216	Manufacture of prepared animal feeds.	1028.18	0.43
43.	343	Manufacture of handtools & general hardware.	889.03	0.37
44.	217	Manufacture of starch.	861.75	0.36
45.	973	Repair of motor vehicles & motor cycles.	795.45	0.34
46.	367	Manufacture of electronic components and accessories.	771.33	0.32
47.	341	Manufacture of structural metal products.	757.26	0.32
48.	315	Manufacture of inedible oils.	689.53	0.29
49.	285	Printing and publishing of periodicals, books and journals.	637.44	0.27

(Contd.)

(Table 15 contd.)

1	2	3	4	5
50.	205	Manufacture of bakery products.	521.87	0.22
51.	223	Production of country liquor & toddy.	507.57	0.21
		Other Industries.	7656.37	3.22
		All Industries.	237431.88	100.00

3.12 Output:-

The gross value of goods and services produced in the factory sector during the year 1985-'86 is estimated as Rs.3071 crores as against Rs.2417 crores during the previous year. The value of output was highest in petroleum refineries with Rs.570 crores as against Rs.176 crores during the previous year. Its share was 18.55% of the total output. Manufacture of fertilisers and pesticides produced only 9.63% of the total output as against 12.76% during 1984-'85. Tea processing contributed 4.98% as against 7.07% during the previous year. Manufacture of rubber products contributed 4.54% of the total output as against 5.73% during the previous year. Cotton spinning, weaving and finishing of cotton textiles produced 4.02% of the output. Generation and transmission of electric energy contributed 3.57% of the total output as against 5.53% during the previous year. The percentage of output in cashew processing was 3.44 as against 5.20 during the previous year. There are 59 industry groups with an output of Rs.5 crores or more during the year 1985-'86. They are arranged in descending order in Table 16 below.

Table No.16
Arrangement of industries according to total output 1985-'86

Sl. Code No.	Name of Industry	Total out-put Rs.in lakhs	Percent- age to total
1	2	3	4
1.	304 Petroleum refineries	56995.94	18.55
2.	311 Manufacture of fertilisers and pesticides.	29582.38	9.63
3.	212 Tea processing.	15313.27	4.98
4.	302 Manufacture of rubber products not elsewhere classified.	13958.16	4.54
5.	231 Cotton spinning, weaving and finishing of cotton textiles.	12362.90	4.02

(Contd.)

(Table 16 contd.)

1	2	3	4	5
6.	400	Generation transmission of electric energy and its distribution.	10960.31	3.57
7.	310	Manufacture of basic industrial organic and inorganic chemicals and gases.	10783.99	3.51
8.	214	Cahewnut processing like drying, shelling, etc.	10565.19	3.44
9.	211	Manufacture of other edible oils.	9332.10	3.04
10.	219	Manufacture of food products not elsewhere classified.	8588.86	2.80
11.	300	Tyre and tube industries.	8339.77	2.71
12.	280	Manufactured of pulp, paper & paper board.	7704.45	2.51
13.	203	Canning, preserving and processing of fish.	6810.34	2.22
14.	314	Manufacture of perfumes, cosmetics, lotions, hair dressings, etc.	5917.03	1.93
15.	284	Printing & publishing of newspapers.	4805.49	1.56
16.	366	Manufacture of electronic computer and other equipments.	4198.16	1.37
17.	360	Manufacture of electrical industrial machinery and apparatus and parts.	4177.37	1.36
18.	319	Manufacture of chemical products not elsewhere classified.	3805.62	1.24
19.	364	Manufacture of radio and television, transmitting and receiving sets including transistor radio.	3798.91	1.24
20.	261	Manufacture of all types of threads, cordage, ropes, etc.	3793.57	1.23
21.	226	Manufacture of beedi.	3565.91	1.16
22.	370	Ship building and repairing.	3553.15	1.16
23.	320	Manufacture of structural clay products.	3389.86	1.10
24.	313	Manufacture of drugs and medicines.	3210.42	1.04
25.	330	Iron and steel industries.	3140.93	1.02
26.	335	Aluminium manufacturing	3068.43	1.00

(Contd.)

(Table 16 contd.)

1	2	3	4	5
27.	268	Manufacture of coir and coir products.	2915.62	0.95
28.	324	Manufacture of cement, lime and plaster.	2852.26	0.93
29.	357	Manufacture of machine tools, their parts and accessories.	2804.94	0.91
30.	336	Zinc manufacturing.	2750.00	0.90
31.	204	Grain mill products.	2736.96	0.89
32.	235	Weaving and finishing of cotton textiles in handlooms.	2392.60	0.78
33.	340	Manufacture of fabricated metal products.	2212.46	0.72
34.	361	Manufacture of insulated wires and cables.	2174.11	0.71
35.	270	Manufacture of veneer, plywood and their products.	2070.23	0.67
36.	220	Distilling, rectifying and blending of spirits.	1980.08	0.65
37.	271	Sawing and planing of wood other than plywood.	1960.52	0.64
38.	973	Repair of motor vehicles and motor cycles.	1849.03	0.60
39.	380	Manufacture of medical, surgical and scientific equipments.	1788.03	0.58
40.	201	Manufacture of diary products.	1688.12	0.55
41.	331	Foundries for casting and forging iron and steel.	1661.63	0.54
42.	362	Manufacture of dry and wet batteries.	1405.56	0.46
43.	367	Manufacture of electronic components and accessories.	1361.55	0.44
44.	216	Manufacture of prepared animal feeds.	1197.33	0.39
45.	343	Manufacture of handtools and general hardware.	1180.39	0.38

(Contd.)

(Table 16 contd.)

1	2	3	4	5
46.	285	Printing and publishing of periodicals, books, and journals.	1126.37	0.37
47.	341	Manufacture of structural metal products.	1012.58	0.33
48.	217	Manufacture of starch.	993.46	0.32
49.	329	Manufacture of miscellaneous non-metal products.	896.88	0.29
50.	315	Manufacture of inedible oils.	770.36	0.25
51.	228	Production of country liquor and toddy.	707.01	0.23
52.	363	Manufacture of electrical apparatus, appliances and other parts.	703.38	0.23
53.	373	Manufacture of motor vehicles and parts.	667.87	0.22
54.	247	Spinning, weaving and finishing of synthetic fibres, rayons, etc.	627.14	0.20
55.	205	Manufacture of bakery products.	611.68	0.20
56.	202	Canning and preservation of fruits and vegetables.	571.50	0.19
57.	350	Manufacture of agricultural machinery and parts.	551.05	0.18
58.	375	Manufacture of motor cycles, scooters and parts.	545.19	0.18
59.	420	Water supply, collection, purification and distribution of water.	540.40	0.18
		Other Industries.	6166.31	2.01
		All Industries.	307195.10	100.00

3.13 Net value added:-

Net value added by manufacture of net output is the increment to the value of goods and services that is contributed by the factory and is obtained by deducting the total value of input as well as depreciation from the total value of output.

The value added by manufacture is estimated as Rs.594 crores in 1985-'86 as against Rs.568 crores in 1984-'85. The highest contribution towards value added came from electricity undertakings with 10.74% of the total value added as against 17.14% during the previous year. Manufacture of fertilisers and pesticides occupied the second place with 9.50% of the total value added. But the value added for cotton spinning, weaving and finishing of cotton textiles increased from 4.92% in 1984-'85 to 7.34% in 1985-'86. There are 44 groups of industries with value added by manufacture more than 2 crores. They are arranged in descending order of value added in Table 17 below.

Table No.17
Arrangement of industries according to value added 1985-'86

S1. Code No.	Name of Industry	Value ad- ded Rs.in lakhs	Percentage to total
1	2	3	4
1. 400	Generation and transmission of electric energy and its distribution.	6381.32	10.74
2. 311	Manufacture of fertilisers and pesticides.	5645.18	9.50
3. 231	Cotton spinning, weaving and finishing of cotton textiles.	4364.59	7.34
4. 212	Tea processing.	3368.68	5.67
5. 310	Manufacture of basic industrial organic and inorganic chemicals and gases.	3106.26	5.23
6. 302	Manufacture of rubber products not elsewhere classified.	2416.58	4.07
7. 304	Petroleum refineries.	2308.22	3.88
8. 300	Tyre and tube industries.	2284.50	3.84
9. 280	Manufacture of pulp, paper & paper board.	1907.31	3.21
10. 261	Manufacture of all types of threads, cordage, ropes, etc.	1794.62	3.02
11. 320	Manufacture of structural clay products.	1735.16	2.92
12. 214	Cashewnut processing like drying, shelling.	1640.48	2.76
13. 357	Manufacture of machine tools, their parts accessories.	1403.90	2.36

(Contd.)

(Table 17 contd.)

1	2	3	4	5
14.	364	Manufacture of radio and T.V. transmitting and receiving sets including transistor radio.	1303.89	2.19
15.	366	Manufacture of electronic computer and other equipments.	1221.35	2.05
16.	370	Ship building and repairing	1171.92	1.97
17.	226	Manufacture of beedi.	1165.88	1.96
18.	973	Repair of motor vehicles and motor cycles.	1023.12	1.72
19.	284	Printing and publishing of newspapers.	969.16	1.63
20.	330	Iron and steel industries.	805.26	1.35
21.	313	Manufacture of perfumes, cosmetics, lotions, and hair dressings.	799.97	1.35
22.	313	Manufacture of drugs and medicines.	786.80	1.32
23.	336	Zinc manufacturing.	753.77	1.27
24.	220	Distilling, rectifying and blending of spirits.	751.82	1.26
25.	360	Manufacture of electrical industrial machinery and apparatus and parts.	668.38	1.13
26.	235	Weaving and finishing of cotton textiles in handlooms.	597.47	1.01
27.	380	Manufacture of medical, surgical and scientific equipments.	551.11	0.93
28.	367	Manufacture of electronic components and accessories.	495.62	0.83
29.	324	Manufacture of cement, lime and plaster.	480.09	0.81
30.	340	Manufacture of fabricated metal products.	465.61	0.78
31.	285	Printing & publishing of periodicals, books, journals, etc.	439.17	0.74

(Contd.)

(Table 17 contd.)

1	2	3	4	5
32.	271	Sawing and planing of wood other than plywood.	390.69	0.66
33.	329	Manufacture of miscellaneous non-metal mineral products.	370.21	0.62
34.	270	Manufacture of veneer, plywood and their products.	343.43	0.58
35.	374	Manufacture of motor vehicles and parts.	334.10	0.56
36.	208	Canning, preserving and processing of fish.	277.44	0.47
37.	979	Repair of enterprises not elsewhere classified.	268.65	0.45
38.	268	Manufacture of coir and coir products.	262.65	0.44
39.	343	Manufacture of hand tools and general hardware.	259.65	0.44
40.	362	Manufacture of dry and wet batteries.	250.57	0.42
41.	341	Manufacture of structural metal products.	231.29	0.39
42.	211	Manufacture of other edible oils.	222.93	0.38
43.	202	Canning and preservation of fruits and vegetables.	217.14	0.37
44.	363	Manufacture of electrical apparatus, appliances and other parts.	215.84	0.36
		Other Industries.	2982.11	5.02
		All Industries.	59433.89	100.00

3.14 Structural ratios of selected industries:-

The structural ratios of 44 selected industries have been worked out and presented in table 18. These industries have been selected on the basis of their contribution towards value added by manufacture.

The table shows that fixed capital-employee ratio was very high in petroleum refineries with Rs.3147614 and very low in cashew processing industry with only Rs.496. It may be noted that cashew processing

industry provided 24.11% of the total employment in the factory sector. In the case of fixed capital employee ratio, beedi making industry stands second from the lowest with Rs.613. Of the 44 industries selected, the ratio of fixed capital to employee was below the state average in the case of 37 industries.

Productivity of labour measured by output per employee was highest in petroleum refineries with Rs.9929606/- and least in the manufacture of electronic components with Rs.11829/-. The ratio was greater than the state average only in three of the 44 selected industries viz. manufacture of fertilisers and pesticides, petroleum refineries and zinc manufacturing.

The average annual earnings per employee was highest in petroleum refineries with Rs.40670/- and lowest in Cashew industry with Rs.2094/- and the same was less than the state average of Rs.1729/- in 22 cases. About 41.5% of the total employees worked in these industries.

Input - output ratio was highest in the manufacture of other edible oils and least in the repair enterprises not elsewhere classified. These figures were 0.97 and 0.23 respectively.

The amount of fixed capital required to produce an output worth Re.1/- was highest in electricity undertakings with Rs.5.32 and lowest in the manufacture of other edible oils with Re.0.01. The above ratio of fixed capital to output was higher than the state average in the case of six industries viz. Generation and transmission of electric energy, ship building and repairing, manufacture of cement, lime and plaster, manufacture of electronic components and accessories and manufacture of electrical appliances and other parts.

The capital - output co-efficient i.e. fixed capital required to generate value added worth Re.1/- was highest in the manufacture of cement, lime and plaster and least in the case of repair enterprises not elsewhere classified.

The ratio of value added to output was observed to be highest in the case of repair enterprises not elsewhere classified (0.76) and least in the manufacture of other edible oils (0.02). The ratio was below the state average of 0.30 in the case of 25 industries.

The highest value of 1.25 for the ratio of emoluments to value added was recorded in the printing and publishing of periodicals, books and journals and lowest (0.10) was in the case of petroleum refineries.

CHAPTER 4 - RELATIVE IMPORTANCE OF DIFFERENT INDUSTRIES

4.1 The establishments covered in the Annual Survey of Industries 1985-'86 have been classified into major industries group of two digit level classification marked according to their contribution to value

added and presented in Table 19. The table shows that the highest amount of value added by manufacture was contributed by manufacture of chemicals and chemical products (except petroleum and coal products) with Rs.10458.98 lakhs and the lowest by the manufacture of leather and fur products with Rs.(-) 15.42 lakhs. The first five places are occupied by (i) manufacture of chemicals and chemical products except petroleum and coal products (17.59) (ii) manufacture of rubber, plastic, petroleum and coal products (11.89) (iii) electricity (10.74) (iv) manufacture of food products (10.67) and (v) manufacture of cotton textiles. (8.36).

The above five industries together employed 57.15% of the total employees and contributed 71.21% of the total output and consumed 74.84% of the total input. These five industries shared 59.27% of the total value added and 69.41% of the total fixed capital in the factory sector.

It may be noted that manufacture of chemical and chemical products except products of petroleum and coal products which occupied the first place above accounted for 17.59% of value added, 7.18% of total employees, 14.97% of emoluments, and 17.62% of the total output. Manufacture of rubber, plastic, petroleum and coal products accounted for 11.89% of value added but employed only 3.62% of the employees in the factory sector. The gross value of output produced by this sector constituted 25.92% of the total output. Electricity occupying the third place accounted for 10.74% of value added and employed 8.42% of the total employees in the factory sector and claimed 15.22% of total emoluments and 3.57% of total output originating from the industrial sector in the state. Manufacture of food products accounted for 10.68% of value added while manufacture of cotton textiles accounted for 8.37% of value added only.

4.2 Some other important aggregates like fixed capital, working capital, outstanding loan, employment, gross output, input, etc are given in Table 20 and their percentage in Table 21.

The structural characteristics of each industry are given in Table 22. The industry groups are arranged in descending order of magnitude of value added.

TABLE No. 18

STRUCTURAL RATIOS IN SELECTED INDUSTRIES 1985-'86

Sl. Code No.	Description	3	4	5	6	7	8	9	10	11	12	13	14
		Fixed capital per empl-oyee	Output per emp-loyee	Emolu-ments per emp-loyee	Value added per emp-loyee	Input output ratio	Ratio of value added to output	Ratio of fixed capital to value added	Ratio of value added to output	Ratio of fixed capital to value added	Ratio of elements to value added	Ratio of operating surplus to output	Ratio of operating surplus to productive capital
1.	400 Generation and transmission of electric energy and its distribution.	291750	21997	54823	31919	0.41	0.58	5.32	9.14	0.69	0.18	0.03	
2.	311 Manufacture of fertilizers & pesticides	207026	31826	501396	95681	0.76	0.19	0.41	2.16	0.33	0.13	0.25	
3.	231 Cotton spinning, weaving and finishing of cotton textiles.	33305	16318	94604	33399	0.60	0.35	0.35	1.00	0.49	0.18	0.42	
4.	212 Tea processing.	28831	7399	283474	62360	0.77	0.22	0.10	0.46	0.12	0.19	0.16	
5.	310 Manufacture of basic industrial organic and inorganic chemicals & gases.	70623	27392	200595	57780	0.67	0.29	0.35	1.22	0.47	0.15	0.25	
6.	302 Manufacture of rubber products not elsewhere classified.	21771	13074	268375	46464	0.82	0.17	0.08	0.47	0.28	0.12	0.63	
7.	304 Petroleum refineries.	3147614	40670	9929606	402129	0.94	0.04	0.32	7.83	0.10	0.04	0.08	
8.	300 Tyre and tube industries.	72200	22898	328208	89906	0.68	0.27	0.22	0.80	0.25	0.20	0.51	
9.	280 Manufacture of pulp, paper and paper board.	514088	22155	348460	26265	0.55	0.25	1.48	5.96	0.26	0.18	0.12	

(Contd.)

(Table 18 contd.)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
10. 261 Manufacture of all types of threads, cordage, ropes, etc.				12850	19846	158793	75120	0.52	0.47	0.08	0.17	0.26	0.35	0.81
11. 320 Manufacture of structural clay products.				11889	9727	25307	12954	0.46	0.51	0.47	0.92	0.75	0.13	0.19
12. 214 Cashewnut processing like drying, shelling, etc.				496	2094	18449	2865	0.84	0.16	0.03	0.17	0.73	0.04	0.13
13. 357 Manufacture of machine tools, their parts and accessories.				39405	30155	89960	45026	0.45	0.50	0.44	0.88	0.67	0.17	0.16
14. 364 Manufacture of radio and television, transmitting and receiving sets including transistor radio.				51758	23729	274488	94212	0.43	0.34	0.19	0.55	0.25	0.26	0.41
15. 366 Manufacture of electronic computer and other equipments.				127277	23738	376516	109538	0.68	0.29	0.34	1.16	0.22	0.23	0.26
16. 322 Ship building and repairs.				344002	28874	143099	47198	0.58	0.33	2.40	7.29	0.61	0.13	0.04
17. 322 Manufacture of beedi.				613	5585	20952	6850	0.67	0.33	0.03	0.09	0.82	0.06	0.69
18. 973 Repair of motor vehicles & motor cycles.				5493	16907	31505	17433	0.43	0.55	0.17	0.32	0.97	0.02	0.07
19. 284 Printing & publishing of newspapers.				43066	21294	189940	38307	0.75	0.20	0.23	1.12	0.56	0.09	0.23
20. 330 Iron and steel industries.				43106	22425	279442	71642	0.73	0.26	0.15	0.60	0.31	0.18	0.62
21. 314 Manufacture of perfumes, cosmetics, lotions, hair dressings, etc.				34180	20922	289200	39099	0.85	0.14	0.12	0.87	0.54	0.06	0.21

(Table 18 contd.)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
22. 313 Manufacture of drugs and medicines.				39247	15265	118553	29055	0.71	0.26	0.33	1.35	0.53	0.12	0.30
23. 336 Zinc manufacturing.				176908	24611	645539	176940	0.70	0.27	0.03	1.00	0.14	0.24	0.43
24. 220 Distilling, rectifying and blending of spirits.				31239	17961	179681	68223	0.60	0.38	0.17	0.46	0.26	0.28	0.42
25. 360 Manufacture of electrical industrial machinery and apparatus & parts.				42703	18508	111012	17762	6.79	0.16	0.38	2.40	1.04	(-)0.01	(-)0.01
26. 235 Weaving and finishing of cotton textiles in handlooms.				3919	7355	43118	10767	0.74	0.25	0.09	0.36	0.68	0.08	0.34
27. 380 Manufacture of medical, surgical and scientific equipments.				32242	20618	111196	34273	0.66	0.31	0.29	0.94	0.60	0.12	0.14
28. 367 Manufacture of electronic components and accessories.				96731	19165	11829	43060	0.57	0.36	0.82	2.25	0.45	0.20	0.17
29. 324 Manufacture of cement, lime and plaster.				372062	25265	234754	39513	0.72	0.17	1.58	9.42	0.64	0.06	0.04
30. 340 Manufacture of fabricated metal products.				33264	13598	175175	36866	0.77	0.21	0.19	0.90	0.37	0.13	0.36
31. 285 Printing and publishing of periodicals books and journals.				10469	15757	32246	12573	0.57	0.39	0.32	0.83	1.25	(-)0.10	(-)0.10
32. 271 Sawing and planing of wood other than plywood.				3810	3764	24851	4952	0.79	0.20	0.15	0.77	0.76	0.05	0.18

(Contd.)

(Table 18 contd.)

	3	4	5	6	7	8	9	10	11	12	13	14
33. 329 Manufacture of miscellaneous non-metal mineral products.		42280	14344	98342	40593	0.52	0.41	0.43	1.04	0.35	0.27	0.36
34. 270 Manufacture of veneer, plywood & their products.		27927	11590	64918	10769	0.79	0.17	0.40	2.59	1.08	(-)0.01	(-)0.02
35. 374 Manufacture of motor vehicles and parts.		5230	3336	49398	24712	0.49	0.50	0.11	0.21	0.13	0.43	2.46
36. 203 Canning, preserving & processing of fish.		32193	6772	312832	12744	0.95	0.04	0.10	2.52	0.53	0.02	0.17
37. 979 Repair enterprises not elsewhere classified.		1449	16848	24953	19081	0.23	0.76	0.06	0.08	0.88	0.09	0.82
38. 268 Manufacture of coir and coir products.		14104	8825	101272	9123	0.90	0.09	0.14	1.65	0.90	0.01	0.03
39. 343 Manufacture of hand tools and general hardware.		22258	11158	89763	19745	0.76	0.22	0.25	1.13	0.56	0.10	0.50
40. 362 Manufacture of dry and wet batteries.		36760	23029	268237	47820	0.81	0.18	0.14	0.77	0.48	0.09	0.29
41. 341 Manufacture of structural metal products.		27913	13812	112760	25756	0.75	0.23	0.25	1.08	0.54	0.11	0.18
42. 211 Manufacture of other edible oils.		16448	9835	1140843	27253	0.97	0.02	0.01	0.60	0.36	0.02	0.35
43. 202 Canning and preservation fruits and vegetables.		16438	7549	108649	41281	0.61	0.38	0.15	0.40	0.18	0.31	0.84
44. 363 Manufacture of electrical apparatus, appliances and other parts.		123126	23372	93535	28703	0.65	0.31	1.32	4.29	0.81	0.06	0.04

Table No.19

Ranking of major industry groups according to value added

Sl. No.	Code	Name of Industry	Value added Rs.in lakhs	Rank
1	2	3	4	5
1.	31	Manufacture of chemical and chemical products (except products of petroleum and coal.	10453.98	1
2.	30	Manufacture of rubber, plastic, petroleum and coal products.	7071.38	2
3.	40	Electricity	6381.32	3
4.	20 & 21	Manufacture of food products.	6346.04	4
5.	23	Manufacture of cotton textiles.	4973.94	5
6.	36	Manufacture of electrical machinery, apparatus and appliances and parts.	4380.72	6
7.	28	Manufacture of paper and paper products and printing, publishing & allied industries.	3445.23	7
8.	32	Manufacture of non-metallic mineral products.	2833.57	8
9.	26	Manufacture of textiles products (including wearing apparel other than footwear).	2255.68	9
10.	22	Manufacture of beverages, tobacco and tobacco products.	2160.46	10
11.	33	Basic metal and alloys industries.	1824.87	11
12.	35	Manufacture of machinery, machine tools and parts.	1769.13	12
13.	37	Manufacture of transport equipments & parts.	1520.84	13
14.	97	Repair services.	1305.66	14
15.	34	Manufacture of metal products and parts except machinery.	1078.81	15
16.	27	Manufacture of wood and wood products, furniture and fixtures.	858.88	16
17.	38	Other manufacturing industries.	580.27	17

(Contd.)

Table 19 contd.)

1	2	3	4	5
18.	24	Manufacture of wool, silk and synthetic fibre textiles.	158.25	18
19.	42	Water works and supply.	34.39	19
20.	96	Laundry	11.19	20
21.	91	Sanitation and similar services such as garbage and sewage disposal, operation of drainage systems and all other types of work connected with public health and sanitation.	4.70	21
22.	29	Manufacture of leather and fur products except paper.	(-)15.42	22
All Industries (Total)			59433.89	

TABLE No.20
 PRINCIPAL CHARACTERISTICS FOR EACH MAJOR INDUSTRY GROUP (RS. IN LAKHS) 1985-'86

Ind- St. No. Code	Description	1985-'86							
		1	2	3	4	5	6	7	8
1.	31 Manufacture of chemicals and chemical products (except products of petroleum and coal)		152	-21566.44	7714.72	28675.16	29179.95	15501.63	1704
2.	30 Manufacture of rubber, plastic, petroleum & coal products.		171	21138.26	10264.84	31403.10	31475.73	28965.94	8598
3.	40 Electricity.		16	58326.75	18648.91	76975.67	62960.58	53404.79	19992
4.	20 Manufacture of food products. -21		572	3763.82	5431.74	9195.56	10810.86	7544.80	71034
5.	23 Manufacture of cotton textiles.		154	4720.15	1355.37	6076.52	7994.07	6998.60	19081
6.	35 Manufacture of electrical machinery apparatus and appliances and parts.		66	6865.73	5104.14	11969.87	14112.02	18337.56	9780
7.	28 Manufacture of paper and paper products & printing, publishing and allied industries.		148	12952.99	2458.91	15411.90	15871.98	11561.09	9183
8.	32 Manufacture of non-metallic mineral products.		351	6744.06	1586.39	8330.45	8740.17	6294.59	16743

(Contd.)

(Table 20 contd.)

	1	2	3	4	5	6	7	8	9	10
9. 26 Manufacture of textile products (including wearing apparel other than footwear)				97	778.30	1963.79	2742.08	2746.79	1316.18	6250
10. 22 Manufacture of beverages, to- bacco & tobacco products.				261	932.05	1433.12	2365.17	1916.24	920.17	18781
11. 33 Basic Metal & alloy, industries.				40	4538.62	1215.88	5754.50	8038.98	4126.17	4414
12. 35 Manufacture of machinery, machine tools and parts.				92	1482.51	1828.50	3311.01	4176.37	2720.43	4779
13. 37 Manufacture of transport equip- ment and parts.				26	9494.55	2804.61	12299.16	15901.90	12330.68	4454
14. 97 Repair services.				103	370.34	173.11	543.45	546.67	56.09	7309
15. 34 Manufacture of metal products & parts except machinery.				145	1115.58	790.98	1906.56	2385.13	2298.73	4252
16. 27 Manufacture of wood and wood products, furniture and fixtures.				679	1463.65	924.11	2387.76	2674.34	2165.49	12702
17. 38 Other manufacturing industries.				23	537.38	1108.99	1646.37	1374.15	1402.82	1867
18. 24 Manufacture of wool, silk and synthetic fibre textiles.				1	267.90	65.41	333.31	419.43	210.52	733

(Contd.)

(Table 20 contd.)

1	2	3	4	5	6	7	8	9	10
19.	42	Water works and supply	7	586.86	9.12	595.98	596.36	-	336
20.	96	Laundry	4	9.92	1.49	11.40	10.43	9.10	56
21.	91	Sanitation and similar services such as garbage and sewage disposal, operation of drainage systems and all other types of work connected with public health and sanitation.	2	2.50	0.03	2.53	2.52	-	28
22.	29	Manufacture of leather and fur products (except paper)	3	101.82	33.27	135.09	143.94	340.32	120
			3113	157754.18	64316.43	222072.60	222078.61	176504.70	237540

(Table 20 contd.)

Sl. No.	Industry units	Description	No. of units	Total emoluments	Total input	Total output	Depreciation	Value added	Factor payment	Net income
1.	31	Manufacture of chemical & chemical products (except products of petroleum and coal)	152	4326.81	40846.98	54136.77	2835.81	10453.98	2080.24	8373.74
2.	30	Manufacture of rubber, plastic, petroleum and coal products.	171	1518.13	70715.41	79623.88	1837.09	7071.38	2862.40	4208.98
3.	40	Electricity.	16	4397.64	4504.59	10960.31	74.40	6381.32	11.98	6369.34
4.	20	Manufacture of food products.	572	2414.39	52307.98	59093.11	439.09	6346.04	1047.76	5298.28
5.	23	Manufacture of cotton textiles.	154	2566.11	9319.38	14943.75	650.43	4973.94	783.72	4190.22
6.	36	Manufacture of electrical machinery apparatus and appliances and parts.	66	2037.62	12915.42	17926.38	630.24	4380.72	2098.99	2281.73
7.	28	Manufacture of paper and paper products and printing, publishing and allied industries.	148	1672.62	8812.01	14061.01	1803.77	3445.23	1268.07	2177.16
8.	32	Manufacture of non-metallic mineral products.	351	1876.33	4470.62	7818.51	514.32	2833.57	1078.80	1754.77
9.	26	Manufacture of textile products (including wearing apparel other than footwear)	97	776.53	4991.49	7330.58	83.41	2255.68	188.10	2067.58

(Table 20 contd.)

	1	2	3	4	11	12	13	14	15	16	17
10. 22 Manufacture of beverages, tobacco & tobacco products.				261	1238.38	4605.15	6854.02	88.41	2160.46	362.95	1797.51
11. 33 Basic metal & alloy, industries				40	1007.33	8606.24	10804.10	372.99	1824.87	437.17	1387.70
12. 35 Manufacture of machinery, machine tools and parts.				92	1155.18	1987.63	3930.32	173.56	1769.13	368.87	1400.25
13. 37 Manufacture of transport equipment and parts.				26	828.48	2973.12	4925.72	431.76	1520.84	1325.14	195.70
14. 97 Repair services.				103	1232.93	883.54	2223.80	34.60	1305.66	9.15	1296.51
15. 34 Manufacture of metal products & parts except machinery.				145	530.43	3781.83	4971.94	111.30	1078.61	257.88	820.93
16. 27 Manufacture of wood and wood products, furniture and fixtures				679	824.41	3643.95	4529.99	127.16	858.88	281.41	577.47
17. 38 Other manufacturing industries.				23	352.21	1211.49	1846.72	54.96	580.27	184.67	395.60
18. 24 Manufacture of wool, silk & synthetic fibre textiles.				1	80.24	450.62	627.14	18.27	158.25	46.45	111.80
19. 42 Water works and supply				7	42.17	464.37	540.40	41.64	34.39	-	34.39

(Contd.)

(Table 20 contd.)

	1	2	3	4	11	12	13	14	15	16	17
20. 96 Laundry				4	8.32	13.17	25.98	1.62	11.19	1.67	9.52
21. 91 Sanitation & similar services such as garbage & sewage disposal, operation of drainage systems and all other types of work connected with public health and sanitation.				2	4.62	3.07	8.03	0.25	4.70	-	4.70
22. 29 Manufacture of leather & fur products (except paper)				3	10.81	23.82	12.64	4.24	(-)15.42	36.26	(-)51.68
				3113	28901.69	237431.88	307195.10	10329.33	59433.89	14731.68	44702.21

TABLE No.21
 PRINCIPAL CHARACTERISTICS FOR EACH MAJOR INDUSTRY GROUPS (Age distribution) 1985-'86

No. Code	Description	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		No. of units	Fixed capital	Working capital	Productive capital	Invested capital	Outstanding loan	No. of persons employed	Total emoluments	Total input	Total output	Depreciation	Value added	Factor payment	Net income			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
1.	31 Manufacture of chemical & chemical products (except products of petroleum & coal)	4.88	13.67	11.06	12.91	13.14	8.78	7.18	14.97	17.20	17.65	27.45	17.58	14.12	18.73			
2.	30 Manufacture of rubber plastic, petroleum & coal products.	5.49	13.40	15.96	14.13	14.17	16.41	3.62	5.25	29.77	25.88	17.78	11.89	19.43	9.42			
3.	40 Electricity.	0.51	36.98	29.00	34.64	28.35	30.26	8.42	15.22	1.90	3.56	0.72	10.73	0.08	14.25			
4.	20 Manufacture of food & 821 products.	18.38	2.39	8.45	4.14	4.87	4.27	29.91	8.35	22.02	19.26	4.25	10.68	7.11	11.85			
5.	23 Manufacture of cotton textiles.	4.95	2.99	2.11	2.74	3.60	3.97	8.03	8.88	3.92	4.86	6.30	8.37	5.32	9.37			
6.	36 Manufacture of electrical machinery, apparatus & appliances and parts.	2.12	4.35	7.94	5.39	6.35	10.39	4.12	7.05	5.45	5.83	6.10	7.37	14.25	5.10			
7.	28 Manufacture of paper products & printing & publishing & allied industries.	4.75	8.21	3.82	6.94	7.15	6.55	3.87	5.79	3.71	4.58	17.46	5.79	8.61	4.87			

(Contd.)

(Table 21 contd.)

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
8. 32 Manufacture of non-metallic mineral products.		11.28	4.27	2.47	3.75	3.94	3.57	7.05	6.49	1.88	2.54	4.98	4.77	7.32	3.93
9. 26 Manufacture of textile products (including wearing, apparel other than foot wear)		3.12	0.49	3.05	1.24	1.24	0.75	2.63	2.69	2.10	2.38	0.81	3.80	1.28	4.63
10. 22 Manufacture of beverages, tobacco & tobacco products.		8.38	0.59	2.23	1.07	0.86	0.52	7.89	4.28	1.94	2.23	0.86	3.63	2.46	4.02
11. 33 Basic metal & alloy industries.		1.28	2.88	1.89	2.59	3.62	2.34	1.86	3.48	3.63	3.52	3.61	3.07	2.97	3.11
12. 35 Manufacture of machinery, machine tools and parts.		2.96	0.94	2.84	1.49	1.88	1.54	2.01	4.00	0.84	1.28	1.68	2.98	2.50	3.13
13. 37 Manufacture of transport equipment and parts.		0.84	6.02	4.36	5.54	7.16	6.99	1.87	2.87	1.26	1.60	4.18	2.56	9.00	0.44
14. 97 Repair services.		3.31	0.23	0.27	0.25	0.25	0.02	3.08	4.26	0.37	0.73	0.24	2.20	0.06	2.90
15. 34 Manufacture of metal products & parts except machinery.		4.66	0.71	1.23	0.86	1.07	1.30	1.79	1.83	1.60	1.62	1.08	1.82	1.75	1.84

(Table 21 contd.)

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
16. 27 Manufacture of wood & wood products, furniture & fixtures.	21.81	1.44	0.93	1.44	1.08	1.20	1.23	5.35	2.85	1.49	1.48	1.23	1.45	1.91	1.29
17. 38 Other manufacturing industries.	0.74	1.72	0.34	1.72	0.74	0.62	0.79	0.79	1.22	0.51	0.60	0.53	0.98	1.25	0.88
18. 24 Manufacture of wool, silk & synthetic fibre textiles.	0.03	0.10	0.17	0.10	0.15	0.19	0.12	0.31	0.28	0.19	0.20	0.18	0.27	0.32	0.25
19. 42 Water works & supply.	0.22	0.37	0.37	0.01	0.27	0.27	-	0.14	0.15	0.20	0.18	0.40	0.06	-	0.08
20. 96 Laundry	0.13	0.01	0.01	0.00	0.01	0.01	0.00	0.02	0.03	0.01	0.01	0.02	0.02	0.01	0.02
21. 91 Sanitation & similar services such as garbage & sewage disposal, operation of drainage systems & all other types of work connected with public health and sanitation.	0.06	-	-	-	0.01	-	-	0.01	0.02	-	-	-	0.01	-	0.01
22. 29 Manufacture of leather & fur products (except paper)	0.10	0.06	0.06	0.05	0.06	0.06	0.19	0.05	0.04	0.01	0.01	0.04	(-10.03)	0.25	(-10.12)
All industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

TABLE No.22
IMPORTANT STRUCTURAL RATIOS OF INDUSTRIES IN RESPECT OF MAJOR GROUPS 1985-86

Sl. Code No.	Description of Industry	Ratio of Ratio of		Ratio of		Ratio of		Emolu-		Output		Value added per emp- loyee
		fixed capital to value added	fixed capital to gross output	value added to gross output	input output ratio	emolu- ments to value added	Fixed capital per emp- loyee	ments per emp- loyee	per emp- plovee	per em- plovee		
1	2	3	4	5	6	7	8	9	10	11	12	
1.	29 Manufacture of leather and fur products (except paper)	(-)6.60	8.06	(-)1.22	1.88	(-)0.70	0.85	0.09	0.11	(-)0.13		
2.	97 Repair services.	0.28	0.17	0.59	0.40	0.94	0.05	0.17	0.30	0.18		
3.	26 Manufacture of textile products (including wearing apparel other than foot wear)	0.35	0.11	0.31	0.68	0.34	0.12	0.12	0.17	0.36		
4.	22 Manufacture of beverages, tobacco & tobacco products.	0.43	0.14	0.32	0.67	0.57	0.05	0.07	0.37	0.12		
5.	91 Sanitation and similar services such as garbage and sewage disposal, operation of drainage systems and all other types of work connected with public health and sanitation.	0.53	0.31	0.59	0.38	0.98	0.09	0.17	0.29	0.17		
6.	20 Manufacture of food products. 821	0.59	0.06	0.11	0.89	0.38	0.05	0.03	0.83	0.09		
7.	35 Manufacture of machinery, machine tools and parts:	0.84	0.38	0.45	0.51	0.65	0.31	0.24	0.82	0.37		
8.	96 Laundry.	0.87	0.38	0.43	0.51	0.74	0.18	0.15	0.46	0.20		
9.	38 Other manufacturing industries.	0.93	0.29	0.31	0.66	0.61	0.29	0.19	0.99	0.31		

(Contd.)

(Table 22 contd.)

	1	2	3	4	5	6	7	8	9	10	11	12
10. 23 Manufacture of cotton textiles.				0.95	0.32	0.33	0.62	0.52	0.25	0.13	0.78	0.26
11. 34 Manufacture of metal products and parts except machinery.				1.03	0.22	0.22	0.76	0.49	0.26	0.12	1.17	0.25
12. 36 Manufacture of electrical machinery, apparatus and appliances and parts.				1.57	0.38	0.24	0.72	0.47	0.70	0.21	1.83	0.45
13. 24 Manufacture of wool, silk and synthetic fibre textiles.				1.69	0.43	0.25	0.72	0.51	0.37	0.11	0.86	0.22
14. 27 Manufacture of wood and wood products, furniture and fixtures.				1.70	0.32	0.19	0.78	0.96	0.12	0.06	0.36	0.07
15. 31 Manufacture of chemical and chemical products (except products of petroleum and coal)				2.06	0.40	0.19	0.75	0.41	1.26	0.25	3.16	0.61
16. 32 Manufacture of non-metallic mineral products.				2.38	0.86	0.36	0.57	0.66	0.40	0.11	0.47	0.17
17. 33 Basic metal and alloys industries.				2.49	0.42	0.17	0.80	0.55	1.03	0.23	2.45	0.41
18. 30 Manufacture of rubber, plastic, petroleum and coal products.				2.99	0.27	0.09	0.89	0.21	2.45	0.18	9.26	0.82
19. 28 Manufacture of paper and paper products and printing, publishing and allied industries.				3.76	0.92	0.25	0.63	0.49	1.41	0.18	1.53	0.38

(Contd.)

(Table 22 contd.)

1	2	3	4	5	6	7	8	9	10	11	12
20.	37	Manufacture of transport equipments and parts.	6.24	1.93	0.31	0.60	0.54	2.13	0.19	1.11	0.34
21.	40	Electricity.	9.14	5.32	0.58	0.41	0.69	2.92	0.22	0.55	0.32
22.	42	Water works and supply	17.06	1.09	0.06	0.86	1.23	1.75	0.13	1.61	0.10
		All Industries.	2.65	0.51	0.19	0.77	0.49	0.66	0.12	1.29	0.25

APPENDIX - (Rs. in Lakhs)

Sl. No.	Industry	Code	No. of units	Fixed capital	Working capital	Productive capital	Invested capital	Outstanding loan	Mandays worked	All workers (Nos.)
1.	200 Slaughtering, preparation & preservation of meat.		2	30.41	0.67	31.08	35.06	14.49	31284	75
2.	201 Manufacture of dairy products.		8	25.05	54.34	79.39	85.91	31.89	224021	441
3.	202 Canning and preservation of fruits & vegetables.		16	86.47	125.46	211.93	304.38	245.82	145971	411
4.	203 Canning, preserving and processing of fish.		59	700.84	68.87	769.71	1218.85	1145.90	464561	1472
5.	204 Grain mill products.		42	301.98	97.41	399.39	449.77	448.76	207247	611
6.	205 Manufacture of bakery products.		8	109.89	105.18	215.07	185.91	47.20	125012	315
7.	206 Manufacture and refining of sugar.		1	55.77	265.04	320.81	244.69	29.96	146568	341
8.	209 Manufacture of cocoa, chocolate and sugar confectionary (including sweet-meats).		2	3.95	22.17	26.12	23.66	5.80	9306	18
9.	210 Manufacture of hydrogenated oils, vanaspathi, ghee, etc.		1	36.78	4.82	41.60	60.08	192.85	8128	20
10.	211 Manufacture of other edible oils and fats.		31	134.55	272.14	406.69	966.69	357.07	234022	586
11.	212 Tea processing.		85	1557.43	1004.23	2561.66	2718.78	397.21	1877149	4526
12.	213 Coffee, curing, roasting and grinding.		6	26.67	84.58	111.25	65.35	30.85	259527	620

(Contd.)

(Appendix contd.)

	3	4	5	6	7	8	9	10	11
13. 214 Cashewnut processing like drying, shelling, etc.	267	284.25	2185.22	2469.47	3130.12	3335.90	6827300	52640	
14. 215 Manufacture of ice	4	35.29	(-10.06	35.23	35.30	159.33	5240	18	
15. 216 Manufacture of prepared animal feeds.	4	140.80	138.55	279.35	237.14	77.48	108298	285	
16. 217 Manufacture of starch.	10	157.91	293.73	451.64	287.13	820.88	162685	383	
17. 219 Manufacture of food products not elsewhere classified.	26	75.78	709.39	786.17	762.04	203.41	126660	380	
18. 220 Distilling, rectifying and blending of spirits.	8	344.25	988.84	1333.09	826.10	470.82	335322	706	
19. 222 Malt liquors and malt.	2	167.59	185.73	353.32	309.51	98.92	71106	195	
20. 223 Production of country liquor and toddy.	4	119.78	22.88	142.66	192.59	86.74	48248	86	74
21. 224 Soft drinks and carbonated water industries.	7	196.12	26.11	222.23	246.58	209.92	82867	235	
22. 226 Manufacture of beedi.	240	104.31	209.56	313.87	341.46	53.77	5362787	16284	
23. 231 Cotton spinning, weaving, shrinking, sanforising, mercerising and finishing of cotton textiles in mills.	25	4352.34	1015.87	5368.21	7229.71	6251.14	4478779	11833	
24. 232 Printing, dyeing and bleaching of cotton textiles.	2	27.03	3.07	30.10	30.62	18.26	11260	28	
25. 234 Production of khadi.	1	1.84	0.16	2.00	3.33	2.67	3402	18	
26. 235 Weaving and finishing of textiles in handlooms other than khadi.	96	217.47	342.14	559.61	569.32	553.89	1646129	5508	

	1	2	3	4	5	6	7	8	9	10	11
27. 236 Weaving and finishing of cotton textiles in in powerlooms.				24	116.53	(-)7.86	108.67	154.38	162.21	95626	246
28. 239 Cotton textiles not elsewhere classified.				6	4.94	2.99	7.93	6.71	10.43	11246	32
29. 247 Spinning, weaving and finishing of other textiles -synthetic fibres, rayons, nylons, etc.				1	267.90	65.41	333.31	419.43	210.52	187647	570
30. 260 Knitting mills.				4	32.98	24.82	57.80	59.71	54.65	99804	228
31. 261 Manufacture of all types of threads, cordage, ropes, twines, nets, etc.				4	306.99	1326.79	1633.78	1640.75	72.17	710876	2025
32. 264 Manufacture of all types of textiles, garments, including wearing apparel.				6	29.27	(-)7.98	21.29	50.35	43.17	123790	385
33. 265 Manufacturing of rain coats, hats, etc.				4	3.00	75.13	78.13	123.81	251.38	47322	68
34. 268 Manufacture of coir and coir products.				79	406.06	545.03	951.08	872.17	894.81	313504	2142
35. 270 Manufacture of veneer, plywood and their products.				79	890.59	451.77	1342.36	1629.50	1458.18	894083	1669
36. 271 Sawing and planing of wood (other than plywood).				534	300.59	234.10	534.69	531.72	400.84	1904927	6656
37. 272 Manufacture of wooden and cane boxes, crates, drums, barrels and other wooden containers, baskets and other rattan, bamboo reed and willow wares made entirely or mainly of cane, rattan, reed, bamboo and willow.				14	133.25	31.03	164.28	171.65	173.33	49260	118

(Contd.)

Appendix contd.)

	1	2	3	4	5	6	7	8	9	10	11
38. 273	Manufacture of structural wooden goods (including treated timber) such as beams, posts, doors and windows (excluding hewing and rough shaping of poles, bolts and other wood material which is classified under logging).										
	15	29.69	37.34	67.03	90.45	62.05	76383	250			
39. 274	Manufacturing of wooden industrial goods such as bobbins, blocks, handles, saddling and similar equipment and fixtures.										
	12	11.26	15.34	26.60	35.01	29.69	59800	226			
40. 275	Manufacture of cork and cork products.										
	1	2.28	(-)4.64	(-)2.36	2.82	0.44	3732	24			
41. 276	Manufacture of wooden furniture and fixtures.										
	19	31.16	148.22	179.38	139.08	32.72	200507	545			
42. 279	Manufacture of wood and wood, bamboo and cane products not elsewhere classified.										
	5	64.83	10.95	75.78	74.11	8.24	8950	62			
43. 280	Manufacture of pulp, paper and paper board (including newsprint)										
	16	11366.49	780.82	12147.31	13271.26	7532.68	744732	1826			
44. 281	Manufacture of containers and boxes of paper and paper boards.										
	8	15.06	86.07	101.13	41.84	28.02	21006	50			
45. 284	Printing and publishing of newspapers.										
	29	1089.57	798.45	1886.02	1542.27	3584.25	841330	1402			
46. 285	Printing and publishing of periodicals, books, journals, atlases, maps and sheet music, directories, etc.										
	58	365.70	738.33	1104.03	837.64	280.17	1003219	2770			
47. 287	Engraving, etching, block making, etc.										
	2	4.00	5.15	9.15	6.28	0.30	10254	24			
48. 288	Book binding.										
	2	1.65	9.07	10.72	21.85	9.96	7474	18			

(Contd.)

	1	2	3	4	5	6	7	8	9	10	11
49. 289 Printing, publishing and allied activities not elsewhere classified like envelope printing, picture post card printing, embossing, etc.	33			110.52	41.02	151.54	150.84	125.71	234109	616	
50. 290 Tanning, curing, finishing, embossing and japanning of leather.	1			101.18	33.08	134.26	143.11	340.32	19872	53	
51. 291 Manufacture of footwear (excluding repair) except vulcanized or moulded rubber or plastic footwear.	2			0.64	0.19	0.83	0.83	-	13614	38	
52. 300 Tyre and tube industries.	16			1834.61	1515.20	3349.81	3260.52	3632.44	871407	1696	
53. 301 Manufacture of footwear made primarily of vulcanised or moulded rubber and plastics.	4			7.01	19.32	26.33	40.09	19.61	13852	38	
54. 302 Manufacture of rubber products not elsewhere classified.	130			1132.31	1614.22	2746.53	2455.85	1320.98	996382	4170	
55. 303 Manufacture of plastic products not elsewhere classified (except house furnishings).	18			95.19	126.29	221.48	186.30	45.75	49622	148	
56. 304 Petroleum refineries.	1			18067.30	6988.72	25056.02	25529.14	23879.78	209307	321	
57. 305 Manufacture of products of petroleum not elsewhere classified.	2			1.84	1.09	2.93	3.83	7.38	2258	12	
58. 310 Manufacture of basic industrial organic and inorganic chemicals, and gases such as acids, alkalies, and their salts, gases like acetylene, oxygen, nitrogen, etc.	35			3796.69	2792.92	6589.61	6173.54	4618.68	1844612	3890	

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	1	2	3	4	5	6	7	8	9	10	11
59. 311				25	12214.55	2819.31	15038.86	15976.71	629.01	2194290	4662
60. 312				2	8.99	(-)0.53	8.46	8.99	-	-	-
61. 313				47	1062.81	201.89	1264.70	1822.51	1991.14	803095	1795
62. 314											
63. 315				8	180.34	57.10	237.44	248.41	33.99	60632	164
64. 316				6	772.32	(-)423.11	349.21	952.05	2146.01	96387	176
65. 317				8	0.48	0.59	1.07	1.38	-	27772	98
66. 319				8	2824.94	581.27	3406.21	3722.97	3565.63	123088	266
67. 320				315	1592.49	668.05	2260.54	2346.29	1066.88	3805581	11890
68. 321				2	153.31	221.33	374.64	199.82	200.52	131595	294
69. 322				1	0.42	1.18	1.60	0.91	0.14	3141	8

(Contd.)

	1	2	3	4	5	6	7	8	9	10	11
70. 323 Manufacture of chinaware and porcelainware.				9	83.03	17.00	100.03	139.63	51.87	203322	667
71. 324 Manufacture of cement, lime and plaster.				6	4520.56	388.08	4908.64	5347.27	4792.54	411004	922
72. 326 Manufacture of structural stone goods, stoneware, stone dressing and stone crushing.				2	4.53	0.37	4.90	4.70	0.78	4936	46
73. 328 Manufacture of asbestos, cement and other cement products.				2	4.13	3.13	7.26	8.66	9.43	10698	28
74. 329 Manufacture of miscellaneous non-metal mineral products such as slate products, abrasives, graphite products, mineral, wool, silica products and other non-metallic products not elsewhere classified.				14	385.59	287.25	672.84	692.89	172.43	270851	704
75. 330 Iron and steel industries.				16	484.51	404.32	888.83	1303.98	458.47	337029	786
76. 331 Foundries for casting and forging iron & steel.				16	2684.63	213.20	2897.83	3381.96	3119.44	396237	894
77. 332 Manufacture of ferro-alloys.				2	59.63	3.46	63.09	72.21	73.49	37160	62
78. 333 Copper manufacturing.				2	3.02	14.89	17.91	31.97	27.13	16110	38
79. 335 Aluminium manufacturing.				3	553.20	(-)175.62	377.58	1240.67	46.88	420861	910
80. 336 Zinc manufacturing.				1	753.63	755.63	1509.26	2008.19	399.76	156619	276
81. 340 Manufacture of fabricated metal products such as metal cans from tin-plate, terne plate or enamelled sheet metal shipping containers, barrels, drums, kegs, pails, safes, vaults, enamelled sanitary and all other fabricated metal products not elsewhere classified.				50	420.13	396.47	816.60	966.03	568.04	364803	929

(Contd.)

(Appendix contd.)

1	2	3	4	5	6	7	8	9	10	11
82.	341	Manufacture of structural metal products.	25	250.66	359.09	609.75	582.73	479.67	265920	522
83.	342	Manufacture of furniture and fixtures primarily of metal.	4	28.39	6.25	34.64	37.48	28.87	59566	158
84.	343	Manufacture of hand tools and general hardware.	40	292.70	(-)67.36	225.34	544.95	1029.10	377305	1053
85.	344	Enamelling, japanning, lacquering, galvanising, plating and polishing of metal products.	4	77.66	12.63	90.29	87.05	88.97	29290	60
86.	345	Manufacture of metal utensils, cutlery and kitchenware.	18	27.26	89.79	117.05	139.84	91.93	112024	356
87.	349	Manufacture of metal products except machinery and transport equipment not elsewhere classified like type founding.	4	18.78	(-)15.89	12.89	27.05	12.15	16166	30
88.	350	Manufacture of agricultural machinery and equipment and parts.	5	87.22	125.09	212.31	351.50	345.28	101325	245
89.	351	Manufacture and repair of drills, coal cutting machines, earth moving, lifting and hoisting machinery, cranes, conveyers and road rollers and other heavy machinery and equipment used by construction and mining industries.	2	6.04	2.16	8.20	8.19	-	10364	20
90.	352	Manufacture of prime movers, boilers and steam generating plants such as diesel engines & parts.	2	0.58	0.01	0.59	0.58	-	4076	12

(Contd.)

	1	2	3	4	5	6	7	8	9	10	11
91. 353 Industrial machinery for food & textile industries.	13	25.98	36.18	62.16	70.18	78.82	82.186	168			
92. 354 Industrial machinery for other than food and textile industries.	21	71.75	44.58	116.33	128.24	97.49	129763	374			
93. 357 Manufacture of machine tools their parts and accessories.	17	1228.64	1605.24	2833.88	3505.64	2125.70	931133	1996			
94. 358 Manufacture of office computing accounting machinery and their parts.	6	21.97	(-)13.22	8.75	38.24	14.27	42866	118			
95. 359 Manufacture and repair of non-electrical machinery, equipment, components, and accessories not elsewhere classified (such as sewing machines, automatic merchandising machines, washing, laundry, dry-cleaning and pressing machines, cooking ranges and ovens, other service industry machines, arms and armaments, etc.)	26	40.33	28.46	68.79	73.80	58.87	116792	341			
96. 360 Manufacture of electrical industrial machinery and apparatus and parts (such as electrical motors, generators, transformers, electro-magnetic clutches and brakes, etc.)	24	1606.92	389.81	1976.73	3387.52	4685.54	1122210	2778			
97. 361 Manufacture of insulated wires and cables.	6	846.12	(-)53.98	792.14	1705.80	2353.60	269501	547			
98. 362 Manufacture of dry and wet batteries.	2	192.62	254.31	446.93	411.75	315.89	158279	329			

(Contd.)

(Appendix contd.)

1	2	3	4	5	6	7	8	9	10	11
99.	363	Manufacture of electrical apparatus, appliances, and other parts as lamps, bulbs, tubes, sockets, switches, fans, insulators (except porcelain) conductors, irons, heaters, shavers, vacuum cleaners, etc., excluding repairing.	25	925.91	134.42	1060.33	1217.76	1004.76	262987.	589
100.	364	Manufacture of radio and television transmitting and receiving sets including transistor radio sets, sound reproducing and recording equipments including tape recorders, public address-systems, gramophones, recorded magnetic tapes, wire and wireless telephone and telegraph equipment, signalling and detection equipment and apparatus, radar equipment and installations, parts and supplies specially used for electronic apparatus classified in this group.	8	716.33	1667.00	2383.33	2532.12	5480.81	410360	874
101.	366	Manufacture of electronic computer, control instruments and other equipment.	8	1419.14	2257.94	3677.08	2935.88	2441.74	348734.	552
102.	367	Manufacture of electronic components and accessories not elsewhere classified.	7	1113.38	476.18	1589.56	1835.29	1999.91	301046.	724
103.	369	Manufacture of electrical machinery, apparatus appliances and supplies and parts not elsewhere classified.	6	45.31	(-)1.54	43.77	85.90	55.31	42964.	114
104.	370	Ship building and repairing.	14	8541.57	2611.21	11152.78	146469.46	11372.65	743933.	1440
105.	374	Manufacture of motor vehicles and parts.	5	70.71	46.79	117.50	112.31	61.06	410278.	1157

(Contd.)

(Appendix contd.)

	1	2	3	4	5	6	7	8	9	10	11
106.375	Manufacture of motor cycles and scooters & parts.	2	870.68	115.63	986.31	1097.87	864.69	139842	136		
107.376	Manufacture of bicycles, cycle-rickshaws & parts.	3	8.74	24.90	33.64	35.09	23.44	41524	91		
108.379	Manufacture of transport equipment and parts not elsewhere classified.	2	2.85	6.08	8.93	7.23	8.84	5530	16		
109.380	Manufacture of medical, surgical and scientific equipments.	13	518.45	1107.04	1625.49	1346.03	1383.81	474589	1116		
110.381	Manufacture of photographic and optical goods (excluding photo-chemical, sensitised paper & film)	2	1.05	2.01	3.06	5.46	5.75	6520	20		
111.382	Manufacture of watches and clocks.	3	16.10	(-)3.17	12.93	18.09	10.05	31928	85		
112.387	Manufacture of stationery articles like fountain pens, pencils, pens, pin cushions, tags, etc. not elsewhere classified.	2	0.55	0.83	1.43	2.11	0.56	6055	16		
113.389	Manufacture of miscellaneous products not elsewhere classified such as costume jewellery, costume novelties, feather plumes, artificial flowers, brooms, brushes, lamp shades, tobacco pipes, cigarette holders, ivory goods, badges, wigs and similar articles.	3	1.23	2.23	3.46	2.46	2.65	29294	83		
114.400	Generation and transmission of electric energy.	16	58326.75	18648.91	76975.67	62960.58	53404.79	7296121	12748		

(Contd.)

(Appendix contd.)

	1	2	3	4	5	6	7	8	9	10	11
115.420	Water supply, i.e., collection, purification and distribution of water.	7	586.86	9.12	595.98	596.36	-	121555	301		
117.910	Sanitation and similar services such as garbage and sewage disposal, operation of drainage systems and all other types of work connected with public health and sanitation.	2	2.50	0.03	2.53	2.52	-	10148	26		
117.961	Laundries, laundry services and cleaning and dyeing plants.	4	9.92	1.49	11.40	10.43	9.10	15492	42		
118.972	Electrical repair shops.	2	27.57	3.97	31.54	31.93	-	9876	26		
119.973	Repair of motor vehicles and motor cycles.	97	322.37	151.36	473.73	476.80	56.09	1923367	4965		
120.979	Repair enterprises not elsewhere classified.	4	20.40	17.78	38.18	37.94	-	411081	1210		
	Grand Total	3113	157754.18	64318.43	222072.60	222078.61	176504.70	62066959	193032		

(Appendix - B. in lakhs contd.)

Ind- ust- No. of ry code	Name of Industry	No. of units	All emplo- yees (Nos.)	Wages to workers	Total emolu- ments	Fuels consu- med	Materi- als consu- med	Other output								
									1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	200 Slaughtering, preparation and preservation of meat	2	105	7.05	15.88	3.56	55.54	7.19								
2.	201 Manufacture of dairy products.	8	621	69.55	109.74	42.28	1616.19	78.05								
3.	202 Canning & preservation of fruits and vegetables.	16	526	24.86	39.71	11.53	312.36	21.96								
4.	203 Canning, preserving & processing of fish.	59	2177	76.19	147.43	97.86	6092.42	255.51								
5.	204 Grain mill products.	42	842	42.51	58.77	38.84	2393.53	96.66								
6.	205 Manufacture of bakery products.	8	415	32.42	56.71	21.10	388.19	112.58								
7.	206 Manufacture and refining of sugar.	1	487	48.17	82.18	18.75	175.13	51.64								
8.	209 Manufacture of cocoa, chocolate and sugar confectionary (including sweet-meats)	2	32	0.87	3.32	0.47	0.37	31.97								
9.	210 Manufacture of hydrogenated oils, vanaspathi ghee, etc.	1	27	2.88	5.09	9.94	13.22	7.96								
10.	211 Manufacture of other edible oils and fats.	31	818	48.37	80.45	33.74	8903.98	158.55								
11.	212 Tea processing.	85	5402	249.27	399.69	623.54	10685.05	478.98								
12.	213 Coffee curing, roasting and grinding.	6	807	25.19	45.46	3.52	155.43	35.65								
13.	214 Cashewnut processing like drying, shelling, etc.	267	57266	852.51	1198.87	46.54	8359.45	486.04								

(Appendix - B. in lakhs contd.)

(Contd.)

(Appendix - contd.)

	1	2	3	4	12	13	14	15	16	17
14. 215 Manufacture of ice	4	4	26	0.80	1.37	0.79	1.01	0.22		
15. 216 Manufacture of prepared animal feeds.	4	389	34.65	56.93	26.69	969.54	31.95			
16. 217 Manufacture of starch	10	534	44.33	77.62	114.93	642.43	104.39			
17. 219 Manufacture of food products not elsewhere classified.	26	560	21.53	35.23	7.43	8406.37	76.96			
18. 220 Distilling, rectifying and blending of spirits.	8	1102	87.63	197.94	76.29	887.18	222.61			
19. 222 Malt liquors and malt.	2	241	32.67	48.99	28.33	271.74	89.44			
20. 223 Production of country liquor and toddy.	4	114	12.15	20.07	55.84	398.62	53.11			
21. 224 Soft drinks and carbonated water industries.	7	305	12.34	20.83	7.64	100.75	19.38			
22. 226 Manufacture of beedi.	240	17019	821.93	950.55	7.55	822.37	1564.30			
23. 231 Cotton spinning, weaving, shrinking, sanforizing, mercerising and finishing of cotton textiles in mills.	25	13068	1696.96	2132.38	558.45	6304.67	520.52			
24. 232 Printing, dyeing & bleaching of cotton textiles.	2	38	2.65	4.27	1.91	0.21	1.34			
25. 234 Production of khadi.	1	22	0.19	0.37	0.02	0.20	0.59			
26. 236 Weaving and finishing of cotton textiles in handlooms other than khadi.	24	5549	268.88	408.11	42.04	1528.86	204.52			
27. 236 Weaving & finishing of cotton textiles powerlooms.	24	366	43.74	19.73	3.45	118.42	17.41			

	1	2	3	4	12	13	14	15	16	17
28. 239 Cotton textiles not elsewhere classified.				6	38	1.91	1.25	0.77	15.02	0.98
29. 247 Spinning, weaving and finishing of other textiles synthetic fibres, rayons, nylons, etc.				1	733	57.41	80.24	22.61	403.36	24.65
30. 260 Knitting mills.				4	397	18.45	27.57	6.12	140.85	13.04
31. 261 Manufacture of all types of threads, cordage, ropes twines, nets, etc.				4	2389	357.11	474.11	138.06	1749.91	78.53
32. 264 Manufacture of all types of textiles, garments, including wearing apparel.				6	433	16.23	23.58	0.96	38.39	4.57
33. 265 Manufacture of raincoats, hats, etc.				4	152	5.24	14.49	1.06	131.35	27.33
34. 268 Manufacture of coir and coir products.				79	2879	126.15	236.78	30.31	2406.01	175.20
35. 270 Manufacture of veneer, plywood and other products.				79	3189	230.84	369.91	112.18	1374.09	159.04
36. 271 Sawing and planing of wood (other than plywood).				534	7889	220.50	296.95	44.03	1360.23	138.05
37. 272 Manufacture of wooden and cane boxes, crates, drums, barrels and other wooden containers, baskets and other rattan, bamboo reed and willow wares made entirely or mainly of cane, rattan, reed, bamboo and willow.				14	192	6.00	13.51	3.57	30.28	20.28
38. 273 Manufacture of structural wooden goods (including treated timber) such as beams, posts, doors and windows (excluding hewing and rough shaping of poles, bolts and other wood material which is classified under logging).				15	346	19.97	27.77	2.37	44.57	18.91

1	2	3	4	12	13	14	15	16	17
39.	274	Manufacture of wooden industrial goods such as bobbins, blocks, handles, saddling and similar equipment and fixtures.	12	314	13.81	21.20	1.67	68.56	8.92
40.	275	Manufacture of cork and cork products.	1	33	0.63	0.86	0.17	4.78	0.32
41.	276	Manufacture of wooden furniture & fixtures.	19	637	63.60	91.00	2.74	135.17	11.84
42.	279	Manufacture of wood and wood, bamboo and cane products not elsewhere classified.	5	102	2.57	3.51	0.30	1.21	0.67
43.	280	Manufacture of pulp, paper and paper board (including newsprint).	16	2211	304.20	489.85	1346.77	2374.41	551.83
44.	281	Manufacture of containers and boxes of paper and paper boards.	8	84	3.25	6.70	1.96	109.35	8.47
45.	284	Printing and publishing of newspapers.	29	2530	232.93	538.74	36.68	3179.56	406.71
46.	285	Printing and publishing of periodicals, books, journals, atlases, maps and sheet music, directories, etc.	58	3493	270.20	550.41	15.62	40.96	80.56
47.	287	Engraving, etching, block making, etc.	2	36	1.57	4.16	0.20	3.88	1.27
48.	288	Book binding.	2	28	0.43	0.92	0.09	35.07	3.24
49.	289	Printing, publishing and allied activities not elsewhere classified like envelope printing, picture post card printing, embossing, etc.	33	801	60.26	81.84	4.34	87.61	24.13

(Contd.)

	1	2	3	4	12	13	14	15	16	17
50. 290 Tanning, curing, finishing, embossing and japanning of leather.	1	70	4.17	7.31	2.28	15.82	4.23			
51. 291 Manufacture of footwear (excluding repair) except vulcanized or moulded rubber or plastic footwear.	2	50	2.60	3.50	0.12	1.05	0.32			
52. 300 Tyre and tube industries.	16	2541	237.40	581.84	372.09	4945.07	380.53			
53. 301 Manufacture of footwear made primarily of vulcanised or moulded rubber and plastics.	4	48	1.91	2.85	1.02	35.62	7.98			
54. 302 Manufacture of rubber products not elsewhere classified.	130	5201	452.04	679.98	311.53	10611.39	459.54			
55. 303 Manufacture of plastic products not elsewhere classified (except house furnishings).	18	218	12.55	19.64	3.74	193.31	13.81			
56. 304 Petroleum refineries.	1	574	57.37	233.44	328.37	52406.99	640.75			
57. 305 Manufacture of products of petroleum not elsewhere classified.	2	16	0.24	0.38	0.05	4.50	0.12			
58. 310 Manufacture of basic industrial organic and inorganic chemicals and gases, such as acids, alkalis and their salts, gases like acetylene, oxygen, nitrogen, etc.	35	5376	861.83	1472.58	1745.38	4462.57	1052.37			
59. 311 Manufacture of fertilizers & pesticides.	25	5900	1178.16	1877.75	2024.56	17686.06	2352.30			
60. 312 Manufacture of paints, varnishes, lacquers, etc.	2	-	-	-	0.44	-	0.13			

(Contd.)

(Contd.)

	1	2	3	4	12	13	14	15	16	17
61. 313	Manufacture of drugs and medicines.			47	2708	218.03	413.39	137.71	1910.19	226.06
62. 314	Manufacture of perfumes, cosmetics, lotions, hair dressings, tooth pastes, soap in any form, synthetic detergents, shampoos, shaving products, cleaners, washing and scouring products and other toilet preparations.		13	2046	248.18	428.07	325.85	4581.32	146.27	
63. 315	Manufacture of inedible oils.		8	206	14.68	19.87	26.91	625.56	37.06	
64. 316	Manufacture of turpentine, synthetic resins, plastic materials and synthetic fibres like nylon, terylene except glass, etc.		6	333	18.00	44.71	11.90	37.69	21.70	
65. 317	Manufacture of matches.		8	112	1.83	2.56	0.42	10.20	2.36	
66. 319	Manufacture of chemical products not elsewhere classified (including photochemicals, sensitised films and paper).		8	367	30.12	67.88	551.67	2577.59	292.71	
67. 320	Manufacture of structural clay products.		315	13395	907.93	1303.00	849.25	455.61	243.17	
68. 321	Manufacture of glass and glass products.		2	361	29.13	58.87	119.26	158.01	14.05	
69. 322	Manufacture of earthen ware and earthen pottery.		1	12	0.73	0.91	0.77	0.14	0.11	
70. 323	Manufacture of chinaware and porcelainware.		9	760	51.73	71.50	62.14	17.52	15.76	
71. 324	Manufacture of cement, lime and plaster.		6	1215	179.00	306.97	813.15	1039.73	203.41	

(Contd.)

1	2	3	4	12	13	14	15	16	17
72.	326	Manufacture of structural stone goods, stoneware stone dressing and stone crushing.	2	50	1.07	1.60	0.05	1.94	2.89
73.	328	Manufacture of asbestos, cement and other cement products.	2	38	1.89	2.66	0.12	4.94	1.68
74.	329	Manufacture of miscellaneous non-metal mineral products such as slate products abrasives graphite -products, mineral wool, silica products and other non-metallic products not elsewhere classified.	14	912	82.20	130.82	90.46	319.08	57.39
75.	330	Iron and steel industries.	16	1124	134.47	252.06	247.70	1685.65	363.99
76.	331	Foundries for casting and forging iron and steel.	16	1551	105.77	232.30	135.54	1083.06	122.27
77.	332	Manufacture of ferro-alloys.	2	102	8.27	13.26	57.58	23.90	6.90
78.	333	Copper manufacturing.	2	54	3.91	6.04	5.40	33.70	5.50
79.	335	Aluminium manufacturing.	3	1157	257.66	398.83	1019.96	1740.18	148.91
80.	336	Zinc manufacturing.	1	426	50.51	104.84	268.40	1404.90	252.52
81.	340	Manufacture of fabricated metal products such as metal cans from tin-plate, terne plate or enamelled sheet metal shipping containers, barrels, drums, kegs, pails, safes, vaults, enamelled sanitary and all other fabricated metal products not elsewhere classified.	50	1263	96.45	171.74	23.44	1547.08	136.76
82.	341	Manufacture of structural metal products.	25	898	62.39	124.03	25.84	452.23	279.19

(Appendix contd.)

	1	2	3	4	12	13	14	15	16	17
83. 342 Manufacture of furniture and fixtures primarily of metal.	4	205	9.10	14.26	2.51	21.41	3.08			
84. 343 Manufacture of hand tools and general hardware.	40	1315	93.77	146.73	98.95	706.12	83.96			
85. 344 Enamelling, japanning, lacquering, galvanizing, plating and polishing of metal products.	4	88	5.47	28.42	2.10	84.37	9.24			
86. 345 Manufacture of metal utensils, cutlery and kitchenware.	18	425	28.75	39.87	20.79	205.49	24.70			
87. 349 Manufacture of metal products except machinery and transport equipment not elsewhere classified like type founding.	4	58	2.55	5.38	1.68	41.52	11.37			
88. 350 Manufacture of agricultural machinery and equipment and parts.	5	351	40.50	74.87	8.69	350.51	20.92			
89. 351 Manufacture and repair of drills, coal cutting machines, earth moving, lifting and hoisting machinery, cranes, conveyers and road rollers and other heavy machinery and equipment used by construction and mining industries.	2	38	2.64	5.49	0.37	3.08	2.40			
90. 352 Manufacture of prime movers, boilers and steam generating plants such as diesel engines & parts.	2	14	0.88	1.38	0.13	0.53	1.02			
91. 353 Industrial machinery for food & textile industries.	13	210	17.30	26.05	4.82	53.45	8.16			
92. 354 Industrial machinery for other than food & textile industries.	21	471	34.88	54.79	11.03	122.85	21.84			

(Contd.)

	1	2	3	4	12	13	14	15	16	17
93. 357 Manufacture of machine tools their parts and accessories.				17	3118	399.15	940.24	83.17	995.99	185.10
94. 358 Manufacture of office computing and accounting machinery and their parts.				6	150	8.42	15.78	1.07	20.65	10.14
95. 359 Manufacture and repair of non-electrical machinery equipment, components, and accessories not elsewhere classified (such as sewing machines, automatic merchandising machines, washing, laundry, dry-cleaning and pressing machines, cooking ranges and ovens, other service industry machines, arms and armament, etc.)				26	427	21.78	36.58	11.15	52.03	18.53
96. 360 Manufacture of electrical industrial machinery and apparatus and parts (such as electrical motors, generators, transformers, electro-magnetic clutches and brakes, etc.)				24	3763	389.29	696.47	67.85	2842.29	400.61
97. 361 Manufacture of insulated wires and cables.				6	939	101.60	213.84	53.54	1770.90	104.13
98. 362 Manufacture of dry and wet batteries.				2	524	54.98	120.67	11.78	1014.63	108.61
99. 363 Manufacture of electrical apparatus, appliances and other parts such as lamps, bulbs, tubes, sockets, switches, fans, insulators, (except porcelain) conductors, irons, heaters, shavers, vacuum cleaners etc. excluding repairing.				5	752	122.65	175.76	82.66	333.66	40.81

(Contd.)

(Appendix contd.)

	1	2	3	4	12	13	14	15	16	17
100. 364 Manufacture of radio and television transmitting and receiving sets including transistor radio sets, sound reproducing and recording equipments including tape recorders, public address systems, gramophones, recorded magnetic tapes, wire and wireless telephone and telegraph equipment, signalling and detection equipment and apparatus, radar equipment and installations, parts and supplies specially used for electronic apparatus classified in this group.	8	1384	171.69	328.42	17.02	2027.98	334.70			
101. 366 Manufacture of electronic computer, control instruments and other equipment.	8	1115	73.41	264.67	29.25	1923.57	915.68			
102. 367 Manufacture of electronic components and accessories not elsewhere classified.	7	1151	103.45	220.59	22.42	652.27	96.64			
103. 369 Manufacture of electrical machinery, apparatus appliances and supplies and parts not elsewhere classified.	6	152	7.59	17.20	1.87	49.32	12.63			
104. 370 Ship building and repairing.	14	2483	269.46	716.94	59.97	1268.03	721.76			
105. 374 Manufacture of motor vehicles and parts.	5	1352	190.42	45.10	28.42	287.28	11.88			
106. 375 Manufacture of motor-cycles and scooters & parts.	2	464	19.14	46.65	14.16	404.28	47.27			
107. 376 Manufacture of bicycles, cycle rickshaws & parts.	3	137	11.48	16.85	1.38	109.17	6.93			
108. 379 Manufacture of transport equipment and parts not elsewhere classified.	2	18	2.40	2.94	0.18	10.59	1.68			

	1	2	3	4	12	13	14	15	16	17
109. 380			Manufacture of medical, surgical and scientific equipments.	13	1608	180.24	331.53	16.90	1032.26	134.60
110. 381			Manufacture of photographic and optical goods (excluding photo-chemicals, sensitised paper and film)	2	26	1.18	1.64	0.25	2.95	0.47
111. 382			Manufacture of watches and clocks.	3	112	9.44	12.49	0.85	1.68	2.58
112. 387			Manufacture of stationery articles like fountain pens, pencils, pens, pin cushions, tags, etc. not else were classified.	2	24	0.68	1.26	0.41	5.93	0.70
113. 389			Manufacture of miscellaneous products not elsewhere classified such as costume jewellery, costume novelties, feather plumes, artificial flowers, brooms, brushes, lamp shades, tobacco pipes, cigarette holders, ivory goods, badges, wigs and similar articles.	3	97	3.70	5.29	0.15	10.35	1.41
114. 400			Generation and transmission of electric energy.	16	1992	2685.98	4397.64	18.62	255.14	4230.83
115. 420			Water supply i.e. collection, purification and distribution of water.	7	336	20.59	42.17	89.04	360.47	14.86
116. 910			Sanitation and similar services such as garbage and sewage disposal, operation of drainage systems and all other types of work connected with public health and sanitation.	2	28	3.99	4.62	2.65	0.09	0.33

(Contd.)

(Appendix contd.)

1	2	3	4	12	13	14	15	16	17
117.	961	Laundries, laundry services and cleaning and dyeing plants.	4	56	6.30	8.32	2.31	6.49	4.37
118.	972	Electrical repair shops.	2	32	1.83	3.43	1.23	6.47	0.30
119.	973	Repair of motor vehicles and motor cycles.	97	5869	683.28	992.29	55.97	619.76	119.73
120.	979	Repair enterprises not elsewhere classified.	4	1408	185.55	237.21	14.59	35.36	30.13
Grand Total			3113	237540	17851.28	28901.69	14059.54	201648.39	217323.95

Sl. No.	Industry	3	No. of units	Total input	Product	Other output	Total output	Depreciation	Value added
1.	200 Slaughtering, preparation and preservation of meat.	2	66.29	69.58	0.71	70.29	2.72	1.28	
2.	201 Manufacture of dairy products.	8	1736.52	1681.70	6.42	1688.12	2.99	(-151.39)	
3.	202 Canning & preservation of fruits & vegetables.	16	345.85	558.23	13.27	571.50	8.51	217.14	
4.	203 Canning, preserving & processing of fish.	59	6445.79	6584.57	225.77	6810.34	87.11	277.44	
5.	204 Grain mill products.	42	2529.03	2674.60	62.36	2736.96	41.54	166.39	
6.	205 Manufacture of bakery products.	8	521.87	536.64	75.04	611.68	12.76	77.05	
7.	206 Manufacture and refining of sugar.	1	245.52	265.44	19.27	284.71	6.84	32.35	
8.	209 Manufacture of cocoa, chocolate and sugar confectionary (including sweet-meats).	2	32.81	43.13	-	43.13	0.47	9.85	
9.	210 Manufacture of hydrogenated oils, vanaspathi, ghee, etc.	1	31.12	(-12.20)	8.34	6.14	5.79	(-130.77)	
10.	211 Manufacture of other edible oils and fats.	31	9096.27	9282.59	49.51	9332.10	12.90	222.93	
11.	212 Tea processing.	85	11787.57	15225.97	87.30	15313.27	157.02	3368.68	
12.	213 Coffee curing, roasting and grinding.	6	194.60	180.03	93.04	273.07	3.16	75.31	
13.	214 Cashewnut processing like drying, shelling.	267	8892.03	10238.69	326.50	10565.19	32.68	1640.48	

(Contd.)

(Appendix contd.)

	1	2	3	4	18	19	20	21	22	23
14. 215 Manufacture of ice.				4	2.02	6.86	0.10	6.96	6.56	(-)1.62
15. 216 Manufacture of prepared animal feeds.				4	1028.18	1185.48	11.85	1197.33	23.48	145.67
16. 217 Manufacture of starch.				10	861.75	990.58	2.88	993.46	26.78	104.93
17. 219 Manufacture of food products not elsewhere classified.				26	8490.76	8505.57	83.29	8588.86	7.78	90.32
18. 220 Distilling, rectifying & blending of spirits.				8	1186.08	1963.93	16.15	1980.08	42.18	751.82
19. 222 Malt liquors and malt.				2	389.51	344.85	113.93	458.78	9.84	59.43
20. 223 Production of country liquor and toddy.				4	507.57	706.46	0.55	707.01	12.77	186.67
21. 224 Soft drinks & carbonated water industries.				7	127.77	74.62	67.63	142.25	17.82	(-)3.34
22. 226 Manufacture of beedi.				240	2394.22	2759.35	806.55	3565.90	5.80	1165.88
23. 231 Cotton spinning, weaving, shrinking, sanforising, mercerising and finishing of cotton textiles in mills.				25	7383.64	12297.13	65.77	12362.90	614.67	4364.59
24. 232 Printing, dyeing & bleaching of cotton textiles.				2	3.46	(-)0.25	7.98	7.73	2.80	1.47
25. 234 Production of khadi.				1	0.81	1.60	-	1.60	0.15	0.64
26. 235 Weaving & finishing of textiles in handlooms other than khadi.				96	1775.42	2258.85	133.75	2392.60	19.71	597.47

(Contd.)

(Appendix contd.)

	1	2	3	4	18	19	20	21	22	23
27. 236 Weaving and finishing of cotton textiles in power looms.	24	139.28	155.17	4.60	159.77	12.53	7.96			
28. 239 Cotton textiles not elsewhere classified.	6	16.77	16.12	3.03	19.15	0.57	1.81			
29. 247 Spinning, weaving and finishing of other textiles-synthetic fibres, rayons, nylons, etc.	1	450.62	553.77	73.37	627.14	18.27	158.25			
30. 260 Knitting mills.	4	159.81	223.04	0.20	223.24	4.89	58.54			
31. 261 Manufacture of all types of threads, cordage, ropes, twines, nets, etc.	4	1966.50	3787.63	5.94	3793.57	32.45	1794.62			
32. 264 Manufacture of all types of textiles, garments, including wearing apparel.	6	43.92	57.40	28.84	86.24	3.80	38.52			99
33. 265 Manufacture of rain coats, hats, etc.	4	209.74	258.11	53.80	311.91	0.82	101.35			
34. 268 Manufacture of coir and coir products.	79	2611.52	2819.80	95.82	2915.62	41.45	262.65			
35. 270 Manufacture of veneer, plywood & their products.	79	1645.31	2015.77	54.46	2070.23	81.49	343.43			
36. 271 Sawing & planing of wood (other than plywood)	534	1542.31	1751.89	208.63	1960.52	27.52	390.69			
37. 272 Manufacture of wooden and cane boxes, crates, drums, barrels and other wooden containers, baskets and other rattan, bamboo reed and willow wares made entirely or mainly of cane, rattan, reed, bamboo and willow.	14	54.13	52.26	1.69	53.95	1.40	(-)1.58			

(Contd.)

(Appendix contd.)

	1	2	3	4	18	19	20	21	22	23
38. 273 Manufacture of structural wooden goods (including treated timber) such as beams, posts, doors and windows (excluding hewing and rough shaping of poles, bolts and other wood material which is classified under logging).		15	65.85	69.62	29.39	99.01	3.32	29.84		
39. 274 Manufacture of wooden industrial goods such as bobbins, blocks, handles, sadling and similar equipment and fixtures.		12	79.15	92.81	0.78	93.59	1.62	12.82		
40. 275 Manufacture of cork & cork products.		1	5.27	5.00	0.32	5.32	0.31	(-)0.26		
41. 276 Manufacture of wooden furniture and fixtures.		19	149.75	232.78	10.35	243.13	3.18	90.20		
42. 279 Manufacture of wood and wood, bamboo and cane products not elsewhere classified.		5	2.18	3.24	1.00	4.24	8.32	(-)6.26		
43. 280 Manufacture of pulp, paper and paper board (including newsprint).		16	4273.01	7663.65	40.80	7704.45	1524.13	1907.31		
44. 281 Manufacture of containers and boxes of paper and paper boards.		8	119.78	129.73	4.59	134.32	1.49	13.05		
45. 284 Printing and publishing of newspapers.		29	3621.95	4531.44	274.05	4805.49	214.38	969.16		
46. 285 Printing & publishing of periodicals, books, journals, atlases, maps and sheet music, directories, etc.		58	637.44	514.16	612.21	1126.37	49.76	439.17		
47. 287 Engraving, etching, block making, etc.		2	5.35	11.79	9.40	12.19	0.42	6.42		
48. 288 Book binding.		2	38.40	40.77	0.28	41.03	0.33	2.30		

(Contd.)

(Appendix contd.)

1	2	3	4	18	19	20	21	22	23
49.	289	Printing, publishing and allied activities not elsewhere classified like envelope printing picture post card printing, embossing, etc.	33	116.08	80.41	156.75	237.16	13.26	107.82
50.	290	Tanning, curing, finishing, embossing and japanning of leather.	1	22.23	12.30	-	12.30	4.17	(-)14.20
51.	291	Manufacture of footwear (excluding repair) except vulcanized or moulded rubber or plastic footwear.	2	1.49	0.34	-	0.34	0.07	(-)1.22
52.	300	Tyre and tube industries.	16	5697.69	8004.12	335.65	8339.77	357.58	2284.50
53.	301	Manufacture of footwear made primarily of vulcanized or moulded rubber & plastics.	4	44.62	51.46	-	51.46	1.06	5.78
54.	302	Manufacture of rubber products not elsewhere classified.	130	11382.46	13495.36	462.80	13958.16	159.12	2416.58
55.	303	Manufacture of plastic products not elsewhere classified (except house furnishings.)	18	210.86	265.42	7.24	272.66	6.62	55.18
56.	304	Petroleum refineries.	1	53375.11	56856.52	139.42	56995.94	1312.61	2308.22
57.	305	Manufacture of products of petroleum not elsewhere classified.	2	4.67	5.89	-	5.89	0.10	1.12
58.	310	Manufacture of basic industrial organic and inorganic chemicals and gases such as acids alkalis and their salts, gases like acetylene, oxygen, nitrogen, etc.	35	7260.32	10693.82	90.17	10783.99	417.41	3106.26

(Appendix contd.)

	1	2	3	4	18	19	20	21	22	23
59. 311 Manufacture of fertilizers & pesticides.				25	22062.92	28990.81	591.57	29582.38	1874.28	5645.18
60. 312 Manufacture of paints, varnishes, lacquers, etc.				2	0.57	-	-	-	0.53	(-)1.10
61. 513 Manufacture of drugs and medicines.				47	2273.96	3198.99	11.43	3210.42	149.66	786.80
62. 314 Manufacture of perfumes, cosmetics, lotions, hair dressings, tooth pastes, soap in any form, synthetic detergents, shampoos, shaving products cleansers, washing and scouring products and other toilet preparations.				13	5053.44	5838.51	78.52	5917.03	63.62	799.97
63. 315 Manufacture of inedible oils.				8	689.53	769.82	0.54	770.36	15.74	65.09
64. 316 Manufacture of turpentine, synthetic resins, plastic materials and synthetic fibres like nylon, terylene except glass, etc.				6	71.29	44.22	5.34	49.56	13.32	(-)35.05
65. 317 Manufacture of matches.				8	12.98	17.37	0.04	17.41	0.06	4.37
66. 319 Manufacture of chemical products not elsewhere classified (including photo-chemicals, sensitised films and paper).				8	3421.97	3695.05	110.57	3805.62	301.19	82.46
67. 320 Manufacture of structural clay products.				315	1548.03	3358.77	31.09	3389.86	106.67	1735.16
68. 321 Manufacture of glass and glass products.				2	291.32	470.05	21.98	492.03	23.57	177.14
69. 322 Manufacture of earthen ware and earthen pottery.				1	1.02	2.20	0.04	2.24	0.03	1.19
70. 323 Manufacture of chinaware and porcelainware.				9	95.41	168.07	0.46	168.53	7.64	65.48

(Contd.)

1	2	3	4	18	19	20	21	22	23
71.	324	Manufacture of cement, lime and plaster.	6	2056.29	2840.14	12.12	2852.26	315.88	480.09
72.	326	Manufacture of structural stone goods, stoneware stone dressing and stone crushing.	2	4.88	6.24	-	6.24	0.12	1.24
73.	328	Manufacture of asbestos, cement and other cement products.	2	6.74	10.12	0.35	10.47	0.67	5.06
74.	329	Manufacture of miscellaneous non-metal mineral products such as slate products, abrasives graphite-products, mineral wool, silica products and other non-metallic products not elsewhere classified.	14	466.93	884.95	11.93	896.88	59.74	370.21
75.	330	Iron and steel industries.	16	2297.34	2899.03	341.90	3140.93	38.33	805.26
76.	331	Foundries for casting and forging iron & steel.	16	1340.97	1536.02	125.61	1661.63	204.64	116.02
77.	332	Manufacture of ferro-alloys.	2	88.46	136.39	15.01	151.40	13.42	49.52
78.	333	Copper manufacturing.	2	44.60	30.06	1.65	31.71	0.39	(-)13.28
79.	335	Aluminium manufacturing.	3	2909.05	3065.86	2.57	3068.43	45.80	113.58
80.	336	Zinc manufacturing.	1	1925.82	2732.11	17.89	2750.00	70.41	753.77
81.	340	Manufacture of fabricated metal products such as metal cans from tin-plate, terne plate or enamelled sheet metal shipping containers, barrels, drums, kegs, pails, safes, vaults, enamelled sanitary & all other fabricated metal products not elsewhere classified.	50	1707.28	2130.42	82.04	2212.46	39.57	465.61

(Appendix contd.)

1	2	3	4	18	19	20	21	22	23
82.	341	Manufacture of structural metal products.	25	757.26	469.68	542.90	1012.58	24.03	231.29
83.	342	Manufacture of furniture & fixtures primarily of metal.	4	27.00	21.85	3.55	25.40	3.07	(-)4.67
84.	343	Manufacture of handtools & general hardware.	40	889.03	1165.32	15.07	1180.39	31.71	259.65
85.	344	Enamelling, japanning, lacquering, galvanizing, plating and polishing of metal products.	4	95.71	129.66	2.53	132.19	5.23	31.25
86.	345	Manufacture of metal utensils, cutlery and kitchenware.	18	250.98	322.79	11.20	333.99	4.38	78.63
87.	349	Manufacture of metal products except machinery and transport equipment not elsewhere classified like type founding.	4	54.57	54.84	20.09	74.93	3.31	17.05
88.	350	Manufacture of agricultural machinery and equipment and parts.	5	380.12	541.73	9.22	551.05	14.29	156.64
89.	351	Manufacture and repair of drills, coal cutting machines, earth moving, lifting and hoisting machinery, cranes, conveyers and road rollers and other heavy machinery and equipment used by construction and mining industries.	2	5.85	-	17.71	17.71	0.28	11.58
90.	352	Manufacture of prime movers, boilers and steam generating plants such as diesel engines, & parts.	2	1.68	-	4.11	4.11	0.06	2.37
91.	353	Industrial machinery for food and textiles industries.	13	66.43	80.08	11.35	91.43	2.23	22.77

(Contd.)

	1	2	3	4	18	19	20	21	22	23
92. 354 Industrial machinery for other than food and textile industries.		21			155.72	260.93	5.27	266.20	10.50	99.98
93. 357 Manufacture of machine tools their parts and accessories.		17			1264.25	2706.18	98.76	2804.94	136.78	7403.90
94. 358 Manufacture of office computing and accounting machinery and their parts.		6			31.86	42.49	12.45	54.94	4.19	18.89
95. 359 Manufacture and repair of non-electrical machinery equipment, components and accessories not elsewhere classified (such as sewing machines, automatic merchandising machines, washing machines, dry cleaning and pressing machines, cooking ranges and ovens, other service industry machines, arms and armaments, etc.)		26			81.71	79.15	60.79	139.94	5.23	53.00
96. 360 Manufacture of electrical industrial machinery and apparatus and parts (such as electrical motors, generators, transformers, electro-magnetic clutches and brakes, etc.)		24			3310.75	3970.40	206.97	4177.37	198.24	668.38
97. 361 Manufacture of insulated wires and cables.		6			1928.57	2139.42	34.69	2174.11	58.87	186.67
98. 362 Manufacture of dry & wet batteries.		2			1135.02	1973.06	32.50	1406.56	19.97	250.57
99. 363 Manufacture of electrical apparatus, appliances & other parts such as lamps, bulbs, tubes, sockets, switches, fans, insulators (except porcelain) conductors, irons, heaters, shavers, vacuum cleaners, etc., excluding repairing.		25			457.13	701.67	1.71	703.38	30.41	215.84

(contd.)

	1	2	3	4	18	19	20	21	22	23
100. 364 Manufacture of radio & television transmitting and receiving sets including transistor radio sets, sound reproducing and recording equipment including tape recorders, public address systems, gramophone recorded magnetic tapes, wire and wireless telephone and telegraph equipment, signalling and detection equipment and apparatus	8			2379.70	3822.66	176.25	3798.91	115.32		1303.89
radar equipment and installations, parts and supplies specially used for electronic apparatus classified in this group.										
101. 366 Manufacture of electronic computer, control instruments and other equipment.	8			2869.10	2900.44	1297.72	4198.16	107.71		1221.35
102. 367 Manufacture of electronic components and accessories not elsewhere classified.	7			771.33	1346.34	15.21	1367.55	94.60		495.62
103. 369 Manufacture of electrical machinery, apparatus appliances and supplies and parts not elsewhere classified.	6			63.82	90.43	16.91	107.34	5.12		38.40
104. 370 Ship building & repairing.	14			2049.76	2276.19	1276.96	3553.15	331.47		1171.92
105. 374 Manufacture of motor vehicles and parts.	5			327.72	113.13	554.74	667.87	6.05		334.10
106. 375 Manufacture of motor cycles & scooters & parts.	2			465.71	544.22	0.97	545.19	92.37		(-)12.89
107. 376 Manufacture of bicycles, cycle rickshaws & parts.	3			117.48	144.65	-	144.65	1.21		25.96
108. 379 Manufacture of transport equipment and parts not elsewhere classified.	2			12.45	14.86	-	14.86	0.66		1.75

(Contd.)

(Appendix contd.)

1	2	3	4	18	19	20	21	22	23
109.	380	Manufacture of medical, surgical and scientific equipment.	13	1183.76	1766.83	21.20	1788.03	53.16	551.11
110.	381	Manufacture of photographic and optical goods (excluding photo-chemicals, sensitised paper and film)	2	3.67	5.93	0.26	6.19	0.18	2.34
111.	382	Manufacture of watches and clocks.	3	5.11	2.28	22.95	25.23	1.41	18.71
112.	387	Manufacture of stationery articles like fountain pens, pencils, pens, pin cushions, tags, etc. not elsewhere mentioned.	2	7.04	9.24	0.01	9.25	0.10	2.11
113.	389	Manufacture of miscellaneous products not elsewhere classified such as costume jewellery, costume novelties, feather plumes, artificial flowers, brooms, brushes, lamp shades, tobacco pipes, cigarette holders, ivory goods, badge, wigs and similar articles.	3	11.91	17.88	0.14	18.02	0.11	6.00
114.	400	Generation and transmission of electric energy.	16	4504.59	8395.59	2564.72	10960.31	74.40	6381.32
115.	420	Water supply, i.e. collection, purification and distribution of water.	7	464.37	540.40	-	540.40	41.64	34.39
116.	910	Sanitation and similiary services such as garbage and sewage disposal, operation of drainage systems and all other types of work connected with public health and sanitation.	2	3.07	-	8.03	8.03	0.26	4.70

(Contd.)

(Appendix contd.)

1	2	3	4	18	19	20	21	22	23
117.	961	Laundries, laundry services & cleaning and dyeing plants.	4	13.17	-	25.98	25.98	1.62	11.19
118.	972	Electrical repair shops.	2	8.00	1.14	22.30	23.44	1.55	13.89
119.	973	Repair of motor vehicles and motor cycles.	97	795.46	(-18.14	1857.17	1849.03	30.45	1023.12
120.	979	Repair enterprises not elsewhere classified.	4	80.08	-	351.33	351.33	2.60	268.65
		Grand total	3113	237431.88	291554.11	15640.99	307195.10	10329.33	59433.89

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