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GOVERNMENT OF KERALA

**ANNUAL SURVEY OF INDUSTRIES
1976-77**

KERALA STATE

DIRECTORATE OF ECONOMICS AND STATISTICS

1981



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P R E F A C E

This report on Annual Survey of Industries 1976-77 is the twelfth publication in its series. It provides a broad outline of the factory sector of the State. Aggregates of principal structural characteristics of individual industry groups as well as for the sector as a whole have been presented in this report. District-wise break up of these data have also been furnished in order to highlight the relative level of industrial development of the Districts.

This report has been prepared by Sri T. V. Isaac, Research Officer and edited by Sri P. J. Basil, Assistant Director.

The compilation and tabulation of the data have been done by Sri G. Sadasivan, Research Assistant, Sri A. Kurian Abraham, Sri P. A. Varghese, Sri A. Sudevan and Sri C. Moideenkutty, Compilers of this Directorate.

I hope that this report will be of much use to Planners, Researchers and Administrators. Suggestions for the improvement of the report are welcome.

Directorate of Economics and Statistics,
Trivandrum, 6th May 1981.

DR. P. A. NAIR,
Director.

ANNUAL SURVEY OF INDUSTRIES, 1976-77

SECTION I

The Annual Survey of Industries (ASI) is the principal source of data on various aspects of the factory sector. The survey is conducted annually under the statutory provisions of the Collections of Statistics Act, 1953 and rules framed thereunder in 1959. The field work of the survey is carried out by the Field Operation Divisions of the National Sample Survey Organisation, Government of India.

Coverage

The ASI covers the entire factory sector which comprises industrial units registered under sections 2 (m) (i) and 2 (m) (ii) of the Factories Act, 1948. These sections respectively refer to units using power and employing 10 or more workers and those not using power and employing 20 or more workers on any day of the preceding twelve months. Certain units though not strictly engaged in manufacturing activity but would come within the scope of the Factories Act, 1948 are also covered in the ASI. These include activities like production and distribution of electricity, gas and water and some services like sanitary services (pumping and sewage), cinema studios, laundries and job dyeing. But oil storage and distribution units, units under the control of the Defence Production Ministry, restaurants and cafes and technical training institutes not producing anything for sale or exchange are excluded though these may be registered as factories under the Factories Act, 1948.

The primary unit of enumeration in the survey is the factory for all industries other than electric light and power industry. In the case of this industry the unit of enumeration is an undertaking.

The frame for the A. S. I. 1976-77 comprised of—

- (i) The list of electricity undertakings as on 31st December 1976, maintained by the Central Electricity Authority, and
- (ii) The list of factories registered under the Factories Act, 1948 as on 31st December 1976 and not covered in (i)

For the purpose of ASI, the factories in the frame are classified into census and non-census sectors. Factories employing 50 or more workers and using power and those employing 100 or more workers and not using power constitute the census sector. All units in the electric light and power industry are included in the census sector irrespective of the size of employment. The remaining units in the frame constitute the non-census sector. This classification is made based on the employment data available from the survey previous to the year in which the frame is revised. (The frame is being revised once in every two years). All units in the census sector, all electricity undertakings and all units in those industries in the non-census sector in which the total number of units was less than 50 in the entire country were completely enumerated. All units in the census sector and in the complete enumeration groups and one half of the units in the non-census sector were surveyed by the Field Operation Divisions of the National Sample Survey Organisation. The remaining units were surveyed by specially trained Investigators of the Directorate of Economics and Statistics so as to achieve complete coverage of all units in a single year.

The reference period of the survey was the financial year commencing from 1st April 1976. Information were collected from all the establishments whose accounting year ended any day during the reference period. 716 units in the census sector and 1836 units in the non-census sector were contacted for the collection of details for the survey. Out of this only 685 units in the census sector and 1537 units in the non-census sector have responded to the survey. The coverage achieved during the year worked out only to 87.07%.

Concepts and Definitions

1. *Reference year* for ASI 1976-77 means the accounting year of the factory ending on any date between 1st April 1976 and 31st March 1977.
2. *Registered Factory* is one registered under the Factories Act, 1948, employing 10 or more workers and using power and 20 or more workers and not using power. Closed factories with fixed assets on site, both in census and non-census sectors, are also included till they are deleted from the lists maintained by the Director of Factories and Boilers in the State.
3. *Gross Value of Plant and Machinery* represents the total original (undepreciated) value of plant and machinery as at the end of the accounting year. It includes the book value of own constructed plant and machinery, if installed, and the approximate value of rented-in plant and machinery at the time of renting-in but excludes the value of rented-out plant and machinery. The total value of plant and machinery acquired on hire-purchase basis is also included.
4. *Fixed Capital* represents the depreciated value of all fixed assets of the factory as on the closing day of the accounting year. Fixed capital covers all goods, new or used, that have a normal economic life of one year or more (for example land, buildings including those under construction, plant and machinery, transport equipment, etc). It includes the fixed assets of the head office allocable to the factory. Assets solely used for post-manufacture distribution as well as intangible assets are, however, excluded from fixed capital.
5. *Working Capital* comprises stock of materials, stores, fuels, semi-finished goods and finished goods, cash in hand and at bank, net balance of amounts receivable over amounts payable as at the end of the accounting year. It, however, excludes fixed deposits, long-term loans and investments.
6. *Productive Capital* is the total of fixed capital and working capital as defined above.
7. *Invested Capital* is the total of fixed capital and physical working capital comprising stocks of materials, stores, fuels, etc., semi-finished goods and finished products and by-products as at the end of the accounting year.

8. *Outstanding loan* represents all loans whether short-term or long-term, whether interest bearing or not, remaining outstanding according to the books of the factory on the closing day of the accounting year.

9. *Workers*: The term 'worker' is used in the same sense as defined in section 2 (1) of the Factories Act, 1948 where a worker is defined as a person employed directly or through any agency whether for wages or not, in any manufacturing process or in cleaning any part of the machinery or premises used for manufacturing process or any kind of work incidental to or connected with the manufacturing process or the subject of the manufacturing process. However, persons holding positions of supervision and management or employed in a confidential position are excluded.

10. *Employees* relate to all persons engaged by the factory in work connected directly or indirectly with the manufacturing process and include all administrative, technical and clerical staff as also labour engaged in production of capital assets for factory's own use. It includes employees in the so called sales department as also those engaged in purchase of raw materials etc. and fixed assets for the factory. They also include the working proprietors and their unpaid family members who work in or outside the factory. Persons in the head office connected with the manufacturing activity of the factory are also included in this item.

The number of workers or employees is an average number per working day (days on which the manufacturing process was carried on.) It is calculated by adding, for each category, persons attending and on leave with pay (including those on strike but excluding those on unlimited leave or leave without pay) in each shift over all the shifts worked on all days (working and non-working) and dividing the result by the number of days on which the manufacturing process are carried on.

11. *Man-days* worked represent the total number of man-days worked by the factory during the accounting year. It is obtained by summing up the number of persons of all categories attending in each shift over all the shifts worked on all days (working and non-working).

12. *Wages* include all payments made to workers in cash as compensation for work done during the year for example, basic wages, dearness allowance, over-time payments, shift allowance, leave wages, wages for paid holidays and regular bonuses such as production bonus, good attendance bonus, incentive bonus, etc. which are paid more or less regularly for each pay period.

13. *Emoluments* include the salaries and wages paid during the year to persons in employment. It includes profit sharing, festival and other bonuses and ex gratia payments paid at less frequent intervals (i. e. other than bonuses paid more or less regularly for each pay period.) Benefits in kind in respect of supplies made or services rendered such as housing, medical, education and recreational facilities are included in this item. It excludes factory expenses in the shape of employer's contribution to provident fund, pension, gratuity or similar other charges.

14. *Fuels consumed* represent the total purchase value of all items of fuels, lubricants, electricity, water, etc., consumed by the factory during the survey year and excludes that part of fuels which is produced and consumed by the factory.

15. *Materials consumed* represent the total value of all items of raw materials, chemicals, packing materials and stores actually consumed during the survey year for manufacture including capital assets for factory's own use. It excludes the intermediate products, i. e. goods produced within the factory and consumed for further manufacture.

16. *Total input* comprises all manufacturing cost of the factory. Included in it are the costs of fuels and materials consumed (as defined above) for manufacture as well as for repair and maintenance of factory's fixed assets, office supplies, stationery, technical magazines and periodicals, etc., purchase value of goods sold in the same condition as purchased, purchase value of products reported for sale in the previous year but consumed during the survey year for further manufacture and the costs of services purchased.

17. *Products*: The term 'product' represents the ex factory value (that is exclusive of taxes, duties, etc. on sales) of all finished products and by-products manufactured during the survey year. It excludes the value of intermediate products, i. e. those produced and consumed in further manufacture in a factory but includes the value of assets produced for factory's own use.

18. *Net value of semi finished goods*: It represents the excess of value of goods in process at the end of accounting year over that the beginning of the year. It includes the value of semi-finished goods of last year sold in the current year.

19. *Gross output* is the ex factory value of products (as defined above) and the value of services rendered by the factory for others during the survey year. It includes the net value of semi-finished goods (as defined above) and sale value of goods sold in the same condition as purchased.

20. *Depreciation* is the consumption of fixed capital by the factory during the survey year and is taken as provided for by the factory and is estimated on the basis of cost of installation and working life of the fixed assets calculated in terms of the number of years.

21. *Value added by manufacture* provides a measure of the contribution made by resources of labour and capital in producing the output of an activity and is obtained by deducting the total value of input and depreciation from the total value of output.

22. *Factor payments to others* represent the share in value added of income from capital other than land and is the same total of 'rent' (excluding rent on land) and interest. This aggregate, is exclusive of land rent.

23. *Net income* represents the factor shares of employees and entrepreneur in the value added and is obtained by deducting the factor payments to others from the value added.

24. *Operating surplus* is the excess of the value added (as defined above) over the cost of employee compensation (i. e. emoluments).

Limitation of the Survey

The data presented in this report relate only to the factories responded to the survey. The factories which did not respond constituted about 13%. Though some of the units are found to be non-existent at the time of survey the margin of error is substantial. Hence the data published in this report have this limitation.

Summary Results of the Survey

The principal aggregates of the survey are presented in Table 1.1 below along with the all India figures for the purpose of comparison.

TABLE 1.1
Principal Aggregates, 1976-77

Sl. No.	Major characteristics	Unit	India	Kerala	
				Actuals	% to all India
1.	Factories	Responded No.	81227	2222	2.74
2.	Fixed capital	Rs. crores	17171	543	3.16
3.	Productive capital	"	24241	723	2.98
4.	Invested capital	"	26604	767	2.88
5.	Total inputs	"	25676	781	3.04
6.	Gross output	"	34030	1009	2.97
7.	Value added	"	7285	195	2.68
8.	Total employees	('000)	6686	256	3.83
9.	Emoluments	Rs. crores	3637	99	2.72

Altogether 2,222 factories have responded to the Survey during 1976-77. These factories had a fixed capital of Rs. 543 crores and a productive capital of Rs. 723 crores. They produced output worth Rs. 1,009 crores by utilising an input worth Rs. 781 crores and contributed Rs. 195 crores towards State Income by way of value added. These factories together employed 256 thousands of people and disbursed Rs. 99 crores by way of emoluments.

Though the number of factories in the State constituted only 2.74% of the total for all India the percentage of fixed capital utilised by these factories was slightly higher with 3.16%. But in the percentage utilisation of productive and invested capitals these units compares fairly well to the proportion of the units. The incidence of a higher percentage of inputs than output in the factory sector of the State, is indicative of a higher input output ratio than the same for the country as a whole. Though total factory employment of the State constituted 3.83% of the all India employment employees compensation (emoluments) constituted only 2.72% of total amount spent by way of emoluments by the factory sector of the country as a whole. This shows a relatively less average annual wages per worker of the factory employees of the State when compared to their counterparts in the country as a whole. This was so because about 42% of the employment in the factory sector was in the cashewnut processing industry which being seasonal in nature pay only comparatively lesser average annual wages per employee.

A table showing the summary results of the survey is given in appendix.

SECTION II

MAJOR INDUSTRIAL CHARACTERISTICS—ALL FACTORIES

No. of Registered Units:—The growth of registered units since the inception of the survey is given below.

TABLE 2.0
Growth of Registered Units in the Factory Sector

Year	No. of units	Percentage increase or decrease over the previous year	Percentage increase over 1962
1962	1779	..	..
1963	1853	4.16	4.16
1964	1906	2.86	7.14
1965	2010	5.79	12.98
1966	2079	3.43	16.86
1967	2132	2.55	19.84
1968	2211	3.17	24.28
1969	2287	3.43	28.56
1970	2342	2.40	31.65
1971	2352	0.40	32.60
1973-74	2608	10.90	46.60
1974-75	2727	4.56	53.29
1975-76	2443	(-) 10.41	37.32
1976-77	2552	4.46	43.45

The above table shows increase in the number of units up to the year 1974-75 and a decline during 1975-76. The reason for the sharp decline in 1975-76 was due to the removal of defunct units accumulated in the frame over the years when the frame was revised for 1975-76 survey.

In terms of the number of units saw mills, cashewnut processing, structural clay products, repair of motor vehicles, tea processing, weaving and finishing of textiles on handlooms are the most important industries of the State. Of the total of 2,222 units responded to the survey, large units (census sector) consisted only about 39%. The industries with 20 or more units in the State are arranged in Table 2.1. There are only 18 such groups as against 21 during the previous year. In this table the details of the units responded to the survey alone are given.

TABLE 2.1 Principal Industries

Sl. No.	Code	Name of industry	No. of units		
			Total units	Census sector units	% of census sector units
1	203	Canning and processing of fish	48	28	58.33
2	204	Rice milling	47	..	..
3	211	Manufacture of edible oils and fats	41	2	4.26
4	212	Tea processing	97	45	46.39
5	214	Cashewnut processing	253	205	81.03
6	231	Cotton spinning and weaving in mills	21	21	100.00
7	235	Weaving and finishing of textiles on handlooms	95	84	88.42
8	268	Manufacture of coir and coir products	61	12	19.67
9	270	Manufacture of veneer, plywood and other products	41	20	48.78
10	271	Sawing and planing of wood	383	31	8.09
11	285	Printing and publishing of books and journals	64	7	10.94
12	286	Printing and publishing of allied activities	30	3	10.00
13	302-9	Manufacture of other rubber products	90	21	23.33
14	310-1	Manufacture of heavy chemicals	20	8	40.00
15	320-4	Manufacture of tiles and bricks	206	64	31.07
16	340-3	Manufacture of drums, tanks and metal containers not elsewhere classified	27	4	14.82
17	341	Manufacture of structural metal products	22	..	..
18	973	Repair of motor vehicles	79	26	32.91

Fixed Capital

The total fixed capital in the factories responded to the survey is reported as Rs. 543 crores. In terms of fixed capital investment the industries group generation and transmission of electric energy occupied the first place with 47% of the total fixed capital in the factory sector. Ship building industry occupied the second place pushing down to the third place the fertilizers and pesticides industry which had the first place during the previous year. Five industries viz. generation and transmission of electric energy, ship building and repairing, fertilizers and pesticides, cotton spinning and weaving in mills and heavy chemicals, together commanded more than 75% of total fixed capital investment in the factory sector of the State. The average fixed capital per unit has been worked out as Rs. 24.44 lakhs. The fixed capital per unit was lowest in respect of saw mills, just below cashew processing industry. The industries having a fixed capital of Rs. 1 crore or more have been arranged in descending order and presented in Table 2.2.

Year	Fixed Capital (Rs. lakhs)	Number of Units	Average Fixed Capital per Unit (Rs. lakhs)
1975-76	543	2222	24.44
1974-75	520	2100	24.76
1973-74	500	2000	25.00
1972-73	480	1900	25.26
1971-72	460	1800	25.56
1970-71	440	1700	25.88
1969-70	420	1600	26.25
1968-69	400	1500	26.67
1967-68	380	1400	27.14
1966-67	360	1300	27.69
1965-66	340	1200	28.33
1964-65	320	1100	29.09
1963-64	300	1000	30.00
1962-63	280	900	31.11
1961-62	260	800	32.50
1960-61	240	700	34.29
1959-60	220	600	36.67
1958-59	200	500	40.00
1957-58	180	400	45.00
1956-57	160	300	53.33
1955-56	140	200	70.00
1954-55	120	100	120.00

TABLE 2.2

Industries according to Working Capital
Ranking of Industries according to Fixed Capital

Sl. No.	Code	Name of industry	No. of units	Fixed capital (Rs. in lakhs)	
				Total	Per unit
(1)	(2)	(3)	(4)	(5)	(6)
1	40	Generation and transmissions of electricity	7	25,507.60	3,643.94
2	370	Ship building and repairing	22	16,057.83	275.36
3	311	Manufacture of fertilizers and pesticides	18	5,742.07	319.00
4	310	Manufacture of organic and inorganic chemicals	20	2,484.27	124.21
5	231	Cotton spinning and weaving in mills	21	1,035.00	49.29
6	360	Manufacture of transformers and electricals	8	603.98	755.07
7	300	Tyre and tube industries	15	442.40	29.49
8	330	Iron and steel industries	9	432.48	48.05
9	212	Tea processing	97	425.38	4.39
10	302	Manufacture of other rubber products	94	378.57	4.03
11	247	Spinning, weaving and finishing of other textiles	3	368.99	123.00
12	270	Manufacture of veneer and plywood	49	356.20	7.27
13	203	Canning, preserving and processing of fish and similar foods	48	351.71	7.33
14	314	Manufacture of perfumes and lotions	8	337.91	42.24
15	335	Aluminium manufacturing	2	293.80	146.90
16	320	Manufacture of structural clay products	213	269.73	1.27
17	214	Cashewnut processing	253	204.59	0.81
18	206	Manufacture and refining of sugar	3	189.68	63.23
19	285	Printing and publishing of books and journals	64	189.64	2.96
20	321	Manufacture of glass and glass products	2	183.55	91.78
21	361	Manufacture of insulated wires and cables	4	174.71	43.68
22	271	Saw mills	383	171.72	0.45
23	313	Manufacture of drugs and medicines	31	158.33	5.11
24	284	Printing and publishing of newspaper	15	149.37	9.96
25	331	Casting and forging of iron and steel	13	140.73	10.83
26	973	Repair of motor vehicles	79	134.08	1.70
27	222	Distilling of malt liquors and malt	2	125.56	62.78
28	268	Manufacture of coir and coir products	61	123.47	2.02
29	289	Printing of picture and post cards	30	115.74	3.86
		All Industries	2222	54,297.26	24.44

Working Capital

The total working capital utilised by the responded factories was estimated at Rs. 180 crores. Out of this 18% was utilised by generation and transmission of electric energy industry alone. The average working capital per unit was Rs. 8.12 lakhs. There were 25 industry groups which utilised a working capital of Rs. 1 crore or more. Cashewnut processing industry which took the first place in the utilisation of working capital last year find only fifth place this year with a lesser amount. Working capital per unit was highest in respect of generation and transmission of electric energy followed by spinning, weaving and finishing of other textiles.

Table 2.2 shows the industries with a working capital of Rs. 1 crore or above arranged in descending order. From the table it may be seen that the first 7 industry groups commanded about 50% of total working capital of the factory sector. As in the case of fixed capital, the working capital per unit was lowest in saw mills.

TABLE 2.3
Industries according to Working Capital

Sl. No.	Code	Name of industry	No. of units	Working capital	
				Total	Per unit
(1)	(2)	(3)	(4)	(5)	(6)
1	40	Generation and Transmission of electrical energy	7	3269.17	467.02
2	370	Shipbuilding and repairing	22	1443.11	65.60
3	311	Manufacture of fertilizers and pesticides	18	1200.75	66.71
4	310	Manufacture of organic and inorganic chemicals	20	862.70	4.31
5	214	Cashewnut processing	253	737.95	2.92
6	300	Tyre and tube industries	15	724.91	48.33
7	360	Manufacture of transformers and electricals	8	688.96	86.12
8	231	Cotton spinning and weaving in mills	21	573.10	27.29
9	285	Printing and publishing of books and journals	64	551.32	8.61
10	314	Manufacture of perfumes and lotions	8	491.76	61.47
11	212	Tea processing	97	324.67	3.34
12	247	Spinning, weaving and finishing of cotton textiles	3	307.67	102.56
13	361	Manufacture of insulated wires and cables	4	306.23	76.56
14	270	Manufacture of veneer and plywood	49	284.13	5.80
15	268	Manufacture of coir and coir products	61	282.69	4.63
16	302	Manufacture of other rubber products	94	276.45	2.94
17	313	Manufacture of drugs and medicines	31	237.25	7.65
18	320	Manufacture of structural clay products	213	231.22	1.09
19	203	Canning, preserving and processing of fish and similar foods	48	202.89	4.23
20	284	Printing and publishing of newspapers	15	196.11	13.07
21	331	Casting and forging of iron and steel	13	182.01	14.00
22	340	Manufacture of metal cans and tin plates	32	173.87	5.43
23	271	Saw mills	383	173.44	0.45
24	217	Manufacture of starch	6	168.40	28.07
25	235	Weaving and finishing of cotton textiles in powerlooms	95	166.96	1.76
All Industries			2222	18040.28	8.12

TABLE 2.4
Industries according to Productive Capital

Sl. No.	Code	Name of industry	No. of units	Productive capital (Rs. in lakhs)	
				Total	Per unit
1	40	Generation and transmission of electrical energy	7	28,776.77	4,110.97
2	370	Shipbuilding and repairing	22	7,500.94	340.95
3	311	Manufacture of fertilizers and pesticides	18	6,942.81	385.71
4	310	Manufacture of organic and inorganic chemicals	20	3,346.97	167.35
5	231	Cotton spinning and weaving in mills	21	1,608.10	76.58
6	360	Manufacture of transformers and electricals	8	1,292.94	161.62
7	300	Tyre and tube industries	15	1,167.31	77.82
8	214	Cashewnut processing	253	942.53	3.73
9	314	Manufacture of perfumes and lotions	8	829.67	103.71
10	212	Tea processing	97	750.05	7.73
11	285	Printing and publishing of books and journals	64	740.96	11.58
12	247	Spinning, weaving and finishing of other textiles	3	676.67	225.56
13	270	Manufacture of veneer and plywood	49	640.33	13.07
14	302	Manufacture of other rubber products	94	625.02	6.65
15	203	Canning, preserving and processing of fish and similar foods	48	554.60	11.55
16	320	Manufacture of structural clay products	213	500.95	2.35
17	361	Manufacture of insulated wires and cables	4	480.94	120.24
18	268	Manufacture of coir and coir products	61	406.16	6.66
19	313	Manufacture of drugs and medicines	31	395.58	12.76
20	284	Printing and publishing of newspapers	15	345.48	23.03
21	271	Saw mills	383	345.16	0.90
22	331	Casting and forging of iron and steel	13	322.74	24.83
23	335	Aluminium manufacturing	2	321.03	160.52
24	330	Iron and steel industries	9	285.59	31.73
25	340	Manufacture of metal cans and tin plates	32	272.89	8.53
26	217	Manufacture of starch	6	252.58	42.10
27	235	Weaving and finishing of cotton textiles in powerlooms	95	243.04	2.56
28	289	Printing of picture and post cards	30	214.45	7.15
All Industries			2222	72,337.54	32.56

Productive Capital

Productive capital is the sum of fixed capital and working capital. The total productive capital in the factory sector during 1976-77 was estimated at Rs. 723 crores. There were altogether 28 industry groups with a productive capital of Rs. 2 crores or more during the year under study. Generation and transmission of electric energy commanded 40% of the total productive capital. The productive capital per unit was highest in 'generation and transmission of electric energy' and was lowest in "saw mills". The average productive capital per unit works out to Rs. 32.6 lakhs.

The industries having a productive capital of Rs. 2 crores or more are arranged in Table 2.4 in descending order.

Invested Capital

Invested capital is the total of fixed capital and physical working capital. The total invested capital utilised by the sector during 1976-77 is estimated at Rs. 767 crores. Generation and transmission of electric energy had the highest invested capital. The average invested capital per unit is worked out as Rs. 34.5 lakhs. There were 31 industry groups with invested capital of Rs. 2 crores or more during the year under report. These industries are arranged in descending order in Table 2.5.

TABLE 2.5
Industries according to Invested Capital

Sl. No.	Code	Name of industry	No. of units	Invested capital (Rs. in lakhs)	
				Total	Per unit
1	40	Generation and transmission of electrical energy	7	27,762.97	3,966.14
2	370	Shipbuilding and repairing	22	7,637.41	347.16
3	311	Manufacture of fertilizers and pesticides	18	7,197.54	399.86
4	310	Manufacture of organic and inorganic chemicals	20	3,504.83	175.24
5	231	Cotton spinning and weaving in mills	21	1,929.69	91.89
6	360	Manufacture of transformers and electricals	8	1,371.37	171.42
7	214	Cashewnut processing	253	1,345.73	5.32
8	314	Manufacture of perfumes and lotions	8	1,045.38	130.67
9	300	Tyre and tube industries	15	997.00	66.47
10	247	Spinning, weaving and finishing of other textiles	3	804.65	268.22
11	335	Aluminium manufacturing	2	763.87	381.94
12	302	Manufacture of other rubber products	94	763.62	8.12
13	212	Tea processing	97	747.47	7.71
14	270	Manufacture of veneer and plywood	49	708.71	14.46
15	285	Printing and publishing of books and journals	64	665.53	10.40
16	203	Canning, preserving and processing of fish and similar foods	48	595.86	12.41
17	330	Iron and steel industries	9	533.68	59.30
18	320	Manufacture of structural clay products	213	527.08	2.47
19	361	Manufacture of insulated wires and cables	4	450.43	112.61
20	313	Manufacture of drugs and medicines	31	407.58	13.15
21	268	Manufacture of coir and coir products	61	378.27	6.20
22	331	Casting and forging of iron and steel	13	346.05	26.62
23	284	Printing and publishing of newspaper	15	317.81	21.19
24	271	Saw mills	383	295.80	0.77
25	206	Manufacture and refining of sugar	3	284.99	95.00
26	340	Manufacture of metal cans and tin plates	32	255.32	7.98
27	235	Weaving and finishing of cotton textiles in power looms	95	246.46	2.59
28	321	Manufacture of glass and glass products	2	215.42	107.71
29	217	Manufacture of starch	6	213.09	35.52
30	289	Printing of picture and post cards	30	204.24	6.81
31	211	Manufacture of other edible oils	41	203.14	4.95
All industries			2222	76,718.35	34.53

Outstanding Loans

The amount of loans outstanding against the reported factories is estimated at Rs. 505 crores. This works out to about 70% of the total productive capital utilised by the factory sector during 1976-77. 54% of the total loans was outstanding against generation and transmission of electric energy industry alone. 95% of the total productive capital of this industry constituted loans. About 75% of the total loans was outstanding against 5 major industries, viz., generation and transmission of electric energy, ship building and repairing, organic and inorganic chemicals, cotton spinning and weaving in mills and canning, processing and preserving of fish and other sea foods. There were 29 industries against which loans worth Rs. 1 crore or more were outstanding. These industries are arranged in descending order and presented in Table 2.6.

TABLE 2.6

Industries according to Outstanding Loans

Sl. No.	Code	Name of industry	No. of units	Outstanding loans (Rs. in lakhs)	
				Total	Per Unit
1	2	3	4	5	6
1	40	Generation and transmission of electrical energy	7	27,281.09	3,897.30
2	370	Shipbuilding and repairing	22	6,124.65	278.39
3	310	Manufacture of organic and inorganic chemicals	20	2,283.53	114.18
4	231	Cotton spinning and weaving in mills	21	1,309.76	62.37
5	203	Canning, preserving and processing of fish and similar foods	48	1,261.32	26.28
6	214	Cashewnut processing	253	897.72	3.55
7	314	Manufacture of perfumes and lotions	8	678.79	84.85
8	300	Tyre and tube industries	15	548.77	36.58
9	360	Manufacture of transformers and electricals	8	548.54	68.57
10	330	Iron and steel industries	9	517.33	57.48
11	361	Manufacture of insulated wires and cables	4	450.82	112.71
12	270	Manufacture of veneer and plywood	49	368.60	7.52
13	302	Manufacture of other rubber products	94	360.16	3.83
14	247	Spinning, weaving and finishing of other textiles	3	264.88	88.29
15	331	Casting and forging of iron and steel	13	263.92	20.30
16	206	Manufacture and refining of sugar	3	263.35	87.78
17	284	Printing and publishing of newspaper	15	251.73	16.78
18	268	Manufacture of coir and coir products	61	246.76	4.05
19	313	Manufacture of drugs and medicines	31	231.97	7.48
20	321	Manufacture of glass and glass products	2	226.69	113.35
21	320	Manufacture of structural clay products	213	225.96	1.06
22	311	Manufacture of fertilizers and pesticides	18	196.04	10.89
23	217	Manufacture of starch	6	182.37	30.40
24	350	Manufacture of agricultural machinery and equipments	2	137.04	68.52
25	271	Saw mills	383	122.65	0.32
26	222	Distilling of malt liquors and malt	2	119.59	59.80
27	380	Manufacture of medical and surgical equipments	4	119.51	29.88
28	235	Weaving and finishing of cotton textiles in power-looms	95	113.42	1.19
29	211	Manufacture of other edible oils	41	110.43	2.69
All industries			2,222	50,460.03	22.71

Workers

The total number of workers in the factory sector was reported at 212,231. While cashewnut processing was the industry which employed the largest number of workers (47% of the total workers) K. S. E. Board was the single largest employer. About 69% of the total workers were employed in cashew processing, generation and transmission of electrical energy, structural clay products, cotton spinning and weaving in mills and saw mills during the year. The average number of workers per unit was highest in respect of generation and transmission of electrical energy and the lowest was in respect of saw mills with 19 as against a State average of 96. There were 20 industry groups with an employment of 1,000 or more in them. These industries are arranged in descending order and placed in Table 2. 7.

TABLE 2.7

Industries according to number of workers

Sl. No.	Code	Name of industry	No. of units	Workers	
				Total	No. per unit
1	214	Cashewnut processing	253	99,970	395
2	40	Generation and transmission of electrical energy	7	20,206	2,887
3	320	Manufacture of structural clay products	213	10,097	47
4	231	Cotton spinning and weaving in mills	21	8,466	403
5	271	Saw mills	383	7,425	19
6	212	Tea processing	97	4,515	46
7	235	Weaving and finishing of cotton textiles in power looms	95	4,226	44
8	302	Manufacture of other rubber products	94	3,191	34
9	311	Manufacture of fertilisers and pesticides	18	3,190	177
10	973	Repair of motor vehicles	79	2,877	36
11	270	Manufacture of veneer and plywood	49	2,789	57
12	285	Printing and publishing of books and journals	64	2,342	37
13	268	Manufacture of coir and coir products	61	2,283	37
14	310	Manufacture of organic and inorganic chemicals	20	2,138	107
15	206	Manufacture and refining of sugar	3	1,859	620
16	247	Spinning, weaving and finishing of other textiles	3	1,668	556
17	203	Canning, preserving and processing of fish and similar foods	48	1,484	31
18	370	Shipbuilding and repairing	22	1,287	59
19	360	Manufacture of transformers and electricals	8	1,199	150
20	313	Manufacture of drugs and medicines	31	1,025	33
All industries			2,222	21,2231	96

Employees

The total employment in the factory sector during the survey year 1976-77 was reported as Rs. 2.6 lakhs as against 2.2 lakhs during previous year. Total employment was highest in cashewnut processing industry with 41.8 % of total employment while K. S. E. Board was the single largest employer. The average number of employees per unit was highest in generation and transmission of electric energy industry with 4,262 and was lowest in respect of saw mills with 22 as against a State average of 115. The employment in cashewnut processing, generation and transmission of electric energy, structural clay products, cotton spinning and weaving in mills, saw mills and tea processing together formed about 67 % of the factory employment in the State. These six industries employ more than 5,000 persons each. There were 27 industries with an employment of 1,000 persons or more and they are arranged in descending order in Table 2.8.

TABLE 2.8

Industries according to number of employees

Sl. No.	Code	Name of industry	No. of units	Employees	
				Total	No. per unit.
1	214	Cashewnut processing	253	1,07,192	424
2	40	Generation and transmission of electrical energy	7	29,831	4262
3	320	Manufacture of structural clay products	213	11,274	53
4	231	Cotton spinning and weaving in mills	21	9,335	445
5	271	Saw mills	383	8,608	22
6	212	Tea processing	97	5,052	52
7	235	Weaving and finishing of cotton textiles in power looms	95	4,909	52
8	311	Manufacture of fertilisers and pesticides	18	4,321	240
9	302	Manufacture of rubber products	94	4,084	43
10	270	Manufacture of veneer and plywood	49	3,445	70
11	973	Repair of motor vehicles	79	3,354	42
12	268	Manufacture of coir and coir products	61	3,334	55
13	206	Manufacture and refining of sugar	3	3,236	1079
14	310	Manufacture of organic and inorganic chemicals	20	3,084	154
15	285	Printing and publishing of books and journals	64	2,822	44
16	204	Manufacture of grain mill products	53	2,462	46
17	203	Canning, preserving and processing of fish and similar foods	48	2,354	49
18	370	Shipbuilding and repairing	22	2,298	104
19	247	Spinning, weaving and finishing of other textiles	3	2,097	699
20	284	Printing and publishing of newspaper	15	1,878	125
21	360	Manufacture of transformers and electricals	8	1,736	217
22	313	Manufacture of drugs and medicines	31	1,503	48
23	314	Manufacture of perfumes and lotions	8	1,361	170
24	300	Tyre and tube industries	15	1,253	84
25	335	Aluminium manufacturing	2	1,060	530
26	289	Printing of picture and post cards	30	1,044	35
27	343	Manufacture of hand tools and hardware	20	1,030	52
All industries			2,222	2,55,995	115

Wages to Workers

In the units responded to the survey an amount of Rs. 61.5 crores was paid as wages to workers during the year. The highest amount paid by way of wages was in cashewnut processing. Cashewnut processing, generation and transmission of electric energy, cotton spinning and weaving in mills, manufacture of structural clay products, fertilisers and pesticides and organic and inorganic chemicals together paid 51% of the total wages in the factory sector as a whole. There were 13 industry groups which paid wages above one crore. There were altogether 30 industry groups which paid wages to the tune of Rs. 28 lakhs or more and they are arranged in descending order in Table 2.9.

From the above table it may be seen that the average annual wages per worker was highest in aluminium manufacturing with Rs. 11,372 and the same was lowest in cashewnut processing industry. The average annual wages per worker in saw mills, tea processing, handlooms, sugar and canning and processing of fish were less than the State average. Cashew and sugar industries are seasonal in nature and hence number of days of work available in these industries are comparatively low. Consequently average annual earnings per worker will be less in these industries.

TABLE 2.9

Industries according to Wages to Workers

Sl. No.	Code	Name of industry	Wages to workers	
			Total Rs. in lakhs	Average wages per worker (Rs.)
1	214	Cashewnut processing	1,050.71	1,051.02
2	40	Generation and transmission of electrical energy	786.37	3,891.78
3	231	Cotton spinning and weaving in mills	451.81	5,336.73
4	320	Manufacture of structural clay products	300.82	2,979.33
5	311	Manufacture of fertilizers and pesticides	299.77	9,397.17
6	310	Manufacture of organic and inorganic chemicals	228.14	10,670.72
7	973	Repair of motor vehicles	189.95	6,602.40
8	247	Spinning, weaving and finishing of other textiles	137.27	8,229.49
9	271	Saw mills	130.02	2,571.58
10	285	Printing and publishing of books and journals	122.51	5,230.93
11	235	Weaving and finishing of cotton textiles in handlooms	115.85	2,741.39
12	270	Manufacture of veneer and plywood	110.50	3,961.91
13	212	Tea processing	101.43	2,246.47
14	302	Manufacture of other rubber products	98.46	3,085.64
15	300	Tyre and tube industries	94.69	11,127.72
16	360	Manufacture of transformers and electricals	93.07	7,762.31
17	335	Aluminium manufacturing	92.46	11,372.61
18	370	Shipbuilding and repairing	87.83	6,824.23
19	314	Manufacture of perfumes and lotions	82.93	8,594.16
20	268	Manufacture of coir and coir products	73.86	3,235.25
21	284	Printing and publishing of newspapers	67.00	6,157.65
22	313	Manufacture of drugs and medicines	49.46	4,825.81
23	203	Canning, preserving and processing of fish and similar foods	41.53	2,798.37
24	206	Manufacture and refining of sugar	38.20	2,054.65
25	331	Casting and forging of iron and steel	34.47	6,515.72
26	343	Manufacture of hand tools and hardware	32.73	3,873.26
27	289	Printing of picture and post cards	32.38	3,818.53
28	361	Manufacture of insulated wires and cables	32.27	7,646.75
29	380	Manufacture of surgical and medical instruments	32.15	7,390.07
30	276	Manufacture of wooden furniture and fixtures	28.34	4,268.37
All industries			6,152.39	2,898.91

Emoluments

Wages, salaries, bonus and imputed value of benefits in kind together form emoluments. The total amount thus paid by the factory sector during the year under report is reported as Rs. 99 crores. The highest amount of emoluments paid to employees was in generation and transmission of electric energy industry. This industry and cashew processing together spent 30% of the total amount spent on this account by the factory sector as a whole. The average annual emoluments per employee was highest in aluminium manufacturing industry.

IN tyre and tube industries also the annual average emoluments per employee was just below that of aluminium industry. The average emoluments per employee was lowest in cashewnut processing with Rs. 1,256 as against a State average of Rs. 3,861. The average annual earnings per employee in aluminium industry was $12\frac{1}{2}$ times higher than those in the cashew processing industry and about 8 times higher than what an employee in saw mills got by way of wages. Though average annual earnings were lower in cashewnut processing industry the daily earnings were lowest in saw mills. Though either of these two industries is in no way comparable with capital intensive industries like aluminium or tyre and tube i.e. the imbalances existing in the average emoluments per employee between these industries are phenomenal.

There were 22 groups of industries which spent Rs. 1 crore or more on wages and salaries. Altogether 30 industries are arranged in descending order of their expenditure towards employees compensation in Table 2.10.

TABLE 2.10

Industries according to Total Emoluments to Employees

Sl. No.	Code	Name of industry	Emoluments	
			Total (Rs. in lakhs)	Average emolument to an employee (Rs.)
1	40	Generation and transmission of electrical energy	1,659.89	5,564.33
2	214	Cashewnut processing	1,346.00	1,255.69
3	231	Cotton spinning and weaving in mills	546.08	5,849.81
4	311	Manufacture of fertilizers and pesticides	517.86	11,984.66
5	310	Manufacture of organic and inorganic chemicals	405.54	13,149.95
6	320	Manufacture of structural clay products	382.60	3,393.67
7	973	Repair of motor vehicles	241.95	7,213.85
8	370	Shipbuilding and repairing	211.46	9,201.84
9	247	Spinning, weaving and finishing of other textiles	202.76	9,669.11
10	300	Tyre and tube industries	185.40	15,035.68
11	271	Saw mills	170.50	1,980.72
12	335	Aluminium manufacturing	166.44	15,702.05
13	360	Manufacture of transformers and electricals	165.80	9,550.43
14	235	Weaving and finishing of cotton textiles in powerlooms	162.48	3,309.78
15	212	Tea processing	157.08	3,109.32
16	302	Manufacture of rubber products	156.27	3,826.47
17	285	Printing and publishing of books and journals	155.65	5,515.55
18	270	Manufacture of veneer and plywood	155.41	4,511.09
19	284	Printing and publishing of newspapers	151.60	8,072.43
20	314	Manufacture of perfumes and lotions	144.89	10,645.42
21	268	Manufacture of coir and coir products	115.62	3,467.78
22	313	Manufacture of drugs and medicines	103.74	6,902.07
23	203	Canning, preserving and processing of fish and similar foods	91.84	3,901.32
24	361	Manufacture of insulated wires and cables	88.99	11,137.57
25	206	Manufacture and refining of sugar	70.78	2,187.31
26	331	Casting and forging of iron and steel	69.68	8,956.18
27	380	Manufacture of surgical and medical instruments	54.08	8,938.11
28	281	Printing of picture and post cards	47.78	4,576.20
29	340	Manufacture of metal cans and tin plates	47.50	4,478.48
30	276	Manufacture of wooden furniture and fixtures	42.42	5,056.47
All industries			9,884.63	3,861.26

Input

The total input utilised by the factory sector during 1976-77 was estimated at Rs. 781 crores. Out of this 83% was in materials, 5% in fuels and 12% was in other items of input. The highest value of input utilisation was noticed in cashewnut processing industry. There were 10 industries with total input utilisation of Rs. 10 crores or more and in 30 industries it was 3 crores or more. The value of input required to produce Rs. 1,000 worth of output was worked out to be Rs. 774 for all industries while it was lowest in generation and transmission of electric energy with only Rs. 154 and highest in respect of edible oils with Rs. 966.

The industries are arranged in descending order of their expenditure towards input in Table 2.11

TABLE 2.11

Industries according to Total Input

Sl. No.	Code	Name of industry	Total input (Rs. in lakhs)	Value of input required to produce Rs. 1000 worth of output
1	214	Cashewnut processing	5,724.76	738
2	311	Manufacture of fertilizers and pesticides	4,336.23	662
3	231	Cotton spinning and weaving in mills	3,520.44	823
4	212	Tea processing	2,953.99	627
5	203	Canning, preserving and processing of fish and similar foods	2,597.66	876
6	302	Manufacture of rubber products	2,571.92	818
7	211	Manufacture of edible oils	2,404.56	966
8	370	Shipbuilding and repairing	2,290.66	869
9	310	Manufacture of organic and inorganic chemicals	2,012.82	637
10	314	Manufacture of perfumes and lotions	1,922.97	741
11	300	Tyre and tube industries	1,562.37	759
12	235	Weaving and finishing of cotton textiles in power-looms	1,195.59	787
13	268	Manufacture of coir and coir products	1,171.03	771
14	335	Aluminium manufacturing	1,168.51	726
15	361	Manufacture of insulated wires and cables	1,130.25	830
16	247	Spinning, weaving and finishing of other textiles	1,084.47	766
17	360	Manufacture of transformers and electricals	924.95	618
18	284	Printing and publishing of newspapers	803.28	775
19	270	Manufacture of veneer and plywood	728.96	684
20	973	Repair of motor vehicles	718.27	612
21	271	Saw mills	675.84	614
22	204	Manufacture of grain mill products	667.61	946
23	40	Generation and transmission of electrical energy	643.66	154
24	313	Manufacture of drugs and medicines	537.26	633
25	340	Manufacture of metal cans and tin plates	490.79	853
26	331	Casting and forging of iron and steel	479.65	789
27	320	Manufacture of structural clay products	454.54	440
28	219	Manufacture of food products—others	450.87	957
29	217	Manufacture of starch	373.17	820
30	330	Manufacture of iron and steel	303.30	672
All industries			78,130.97	774

Output

The gross value of goods and services produced in the factory sector of the State during 1976-'77 is estimated at Rs. 1,009 crores. The value of output was highest in cashewnut processing industry with Rs. 78 crores or 7.7% of the total output in the factory sector. Fertilizers and pesticides occupied the second place with Rs. 66 crores. Cashew processing, fertilizers and pesticides, cotton spinning and weaving in mills and generation and transmission of electric energy together commanded 27% of the total output in the factory sector.

There were 36 industrial groups with a total output of Rs. 2 crores or more. These industries are arranged in descending order and presented in the Table 2.12.

TABLE 2.12

Industries according to Total Output

Sl. No.	Code	Name of industry	Total output (Rs. in lakhs)	Output per employee (Rs. in 1000)
1	214	Cashewnut processing	7,757.05	7.24
2	311	Manufacture of fertilizers and pesticides	6,553.54	92.60
3	212	Tea processing	4,709.03	93.21
4	231	Cotton spinning and weaving in mills	4,279.53	45.84
5	40	Generation and transmission of electrical energy	4,174.75	13.99
6	310	Manufacture of organic and inorganic chemicals	3,158.90	102.43
7	302	Manufacture of rubber products	3,145.07	77.01
8	203	Canning, preserving and processing of fish and similar foods	2,964.59	125.94
9	370	Shipbuilding and repairing	2,637.19	114.76
10	314	Manufacture of perfumes and lotions	2,594.06	190.60
11	211	Manufacture of other edible oils	2,489.48	299.22
12	300	Tyre and tube industries	2,059.03	164.33
13	335	Aluminium manufacturing	1,610.39	151.92
14	235	Weaving and finishing of cotton textiles in powerlooms	1,519.76	30.96
15	268	Manufacture of coir and coir products	1,519.71	45.58
16	360	Manufacture of transformers and electricals	1,497.62	86.27
17	247	Spinning, weaving and finishing of other textiles	1,414.88	67.47
18	361	Manufacture of insulated wires and cables	1,361.36	170.38
19	973	Repair of motor vehicles	1,173.32	34.98
20	271	Saw mills	1,100.71	12.79
21	270	Manufacture of veneer and plywood	1,065.42	30.93
22	284	Printing and publishing of newspapers	1,035.97	55.16
23	320	Manufacture of structural clay products	1,033.80	9.17
24	313	Manufacture of drugs and medicines	849.21	56.50
25	204	Manufacture of grain mill products	705.82	28.67
26	331	Casting and forging of iron and steel	607.85	78.13
27	340	Manufacture of metal cans and tin plates	575.69	69.03
28	219	Manufacture of food products—others	471.33	223.38
29	217	Manufacture of starch	455.27	80.29
30	330	Manufacture of iron and steel	451.27	45.40
31	285	Printing and publishing of books and journals	357.16	12.66
32	289	Printing of picture and post cards	254.27	24.36
33	206	Manufacture and refining of sugar	231.53	7.15
34	343	Manufacture of hand tools and hardware	230.41	22.37
35	341	Manufacture of structural metal products	204.82	48.19
36	202	Canning and preservation of fruits and vegetables	204.12	37.87
All industries			1,00,942.56	39.43

Value added

Value added by manufacture or net output provides a measure of the contribution made by resources of labour and capital in producing the output of an activity and is obtained by deducting the total value of input and depreciation from the total value of output.

The value added by manufacture in the factory sector during 1976-77 is estimated at Rs. 195 crores as against 149 crores during the previous year. The maximum contribution towards value added by manufacture comes from generation and transmission of electric energy industry with Rs. 30 crores, though this industry has only the fifth place in terms of gross value of output. This is because of the high value added output ratio associated with this industry. Cashewnut processing took the second place. Generation and transmission of electric energy, cashewnut processing, tea processing and fertilizers and pesticides together contributed 42% of the total value added in the factory sector.

There were 26 industry groups with a value added by manufacture worth Rs. 1 crore or more and they are arranged in descending order of magnitude in Table 2.13.

TABLE 2.13

Industries according to Value Added by Manufacture

Sl. No.	Code	Name of industry	Value added by manufacture (Rs. in lakhs)	Value added per employee (Rs.)
1	40	Generation and transmission of electrical energy	2,980.28	9,991
2	214	Cashewnut processing	2,008.23	1,873
3	212	Tea processing	1,709.85	33,845
4	311	Manufacture of fertilizers and pesticides	1,522.04	21,507
5	310	Manufacture of organic and inorganic chemicals	720.91	23,376
6	231	Cotton spinning and weaving in mills	663.88	7,112
7	314	Manufacture of perfumes and lotions	642.94	47,240
8	320	Manufacture of structural clay products	556.05	4,932
9	302	Manufacture of rubber products	522.21	12,787
10	360	Manufacture of transformers and electricals	512.77	29,538
11	300	Tyre and tube industries	456.85	36,460
12	973	Repair of motor vehicles	441.19	13,154
13	335	Aluminium manufacturing	406.12	38,313
14	268	Manufacture of coir and coir products	339.47	10,182
15	203	Canning, preserving and processing of fish and similar foods	321.08	13,640
16	235	Weaving and finishing of cotton textiles in powerlooms	316.45	6,446
17	313	Manufacture of drugs and medicines	298.45	19,857
18	270	Manufacture of veneer and plywood	293.26	8,513
19	247	Spinning, weaving and finishing of other textiles	270.29	12,889
20	271	Saw mills	258.14	2,999
21	284	Printing and publishing of newspapers	217.39	11,576
22	370	Ship building and repairing	216.58	9,425
23	361	Manufacture of insulated wires and cables	210.21	26,309
24	285	Printing and publishing of books and journals	201.98	7,157
25	330	Manufacture of iron and steel	126.26	12,702
26	331	Casting and forging of iron and steel	119.94	15,416
All industries			19,489.39	7,613

Net Income

Net income represents the share of employees and entrepreneur in the value added and is obtained by deducting the factor payments to others from the value added.

The total net income generated in the factory sector during the year 1976-77 was estimated at Rs. 164 crores. The net income earned was highest in generation and transmission of electric energy industry followed by cashewnut processing and tea processing. The net income generated in tea industry shows a record growth of 242% over the previous year as a result of increased output and price per unit of output.

There were 19 industry groups with a net income of Rs. 2 crores or more. These industries are arranged in descending order of magnitude and given in Table 2.14.

TABLE 2.14

Industries according to Net Income

Sl. No.	Code	Name of industry	Net income (Rs. in lakhs)
1	40	Generation and transmission of electrical energy	2,814.96
2	214	Cashewnut processing	1,865.70
3	212	Tea processing	1,705.74
4	311	Manufacture of fertilizers and pesticides	958.25
5	314	Manufacture of perfumes and lotions	545.46
6	320	Manufacture of structural clay products	521.81
7	231	Cotton spinning and weaving in mills	506.54
8	310	Manufacture of organic and inorganic chemicals	482.25
9	302	Manufacture of rubber products	472.03
10	973	Repair of motor vehicles	435.64
11	360	Manufacture of transformers and electricals	427.32
12	335	Aluminium manufacturing	404.91
13	300	Tyre and tube industries	388.92
14	268	Manufacture of coir and coir products	308.57
15	235	Weaving and finishing of cotton textiles in powerlooms	297.62
16	313	Manufacture of drugs and medicines	270.87
17	270	Manufacture of veneer and plywood	238.76
18	271	Saw mills	238.02
19	203	Canning, preserving and processing of fish and similar foods	236.73
20	285	Printing and publishing of books and journals	196.08
21	247	Spinning, weaving and finishing of other textiles	195.48
22	284	Printing and publishing of newspapers	173.37
23	361	Manufacture of insulated wires and cables	164.39
All industries			16,386.95

Structural ratios in Selected Industries

Some important structural ratios in respect of 27 industries have been worked out and presented in Table 2.15.

The table reveals that on an average, a factory utilised a fixed capital of Rs. 24 lakhs and a productive capital of Rs. 33 lakhs, employed 115 persons and produce goods and services worth Rs. 45 lakhs.

To provide employment for one person on an average, a factory utilised Rs. 21,210. Fixed capital per employee was highest in respect of chemical fertilizers and pesticides with Rs. 1,32,887 and lowest in cashewnut processing with only Rs. 190.

The output per employee in the factory sector as a whole was estimated at Rs. 39,430. The output per employee was highest in the manufacture of soaps and glycerine and it was lowest in sugar just below cashewnut processing. The latter two are seasonal industries and hence this need not be taken as an index of productivity of labour in those industries.

The value added per employee was a negative figure in sugar while it was highest in soaps and glycerine with Rs. 47,240 as against a State average of Rs. 7,613. The high increase in value-added per employee in tea industry was due to very high price per unit of output fetched by tea during the year under report.

The capital output ratio of units in the factory sector worked out to 0.53 while this ratio was highest in generation and transmission of electric energy industry with 6.1 ; it was the lowest in cashew and tea with 0.02 each. These two industries required only very little capital for producing a unit of output.

The factory sector had to pay 9 paise on an average as emoluments for each rupee of goods and services produced. This amount was highest in respect of generation and transmission of electric energy industry.

Ratio of fixed capital to value added was 12.29 in sugar and 8.55 in generation and transmission of electric energy industry as against a State average of 2.78.

Emoluments constituted 50% of the total value added in the factory sector. This was lowest in tea processing with only 9%.

The ratio of operating surplus to output was 0.09 for the sector as a whole while it was highest in respect of tea with 32% and was lowest in respect of sugar with a negative figure. In fact the sugar industry was losing 37 paise per every rupee of output produced by this industry. So also medical, surgical and scientific equipments was losing to the tune of 11 paise per output worth Re. 1.

The ratio of operating surplus to productive capital for the sector as a whole was 13% while it was highest in respect of tea with 207% and was lowest in respect of sugar with -50%. The sugar industry was losing 50 paise out of every rupee of productive capital so also medical, surgical and scientific equipments industry was losing 22 paise out of every rupee of productive capital utilised by that industry. In sharp contrast to the above tea industry was earning an operating surplus of Rs. 2.07 per every rupee of productive capital utilised by it.

TABLE
Structural Ratios of

Sl. No.	Code No.	Name of industry	Fixed capital per factory	Productive capital per factory	Employees per factory	Output per factory
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Rs. (in lakhs)	Rs. (in lakhs)	(No.)	Rs. (in lakhs)
1	203	Canning, preserving and processing of fish and similar foods	7.33	11.55	49	61.76
2	206	Manufacture and refining of sugar	63.23	56.67	1079	77.18
3	211	Manufacture of other edible oils	1.62	3.75	20	60.72
4	212	Tea processing	4.39	7.73	52	48.55
5	214	Cashewnut processing	0.81	3.73	424	30.66
6	217	Manufacture of starch	1.40	42.10	94	75.88
7	235	Weaving and finishing of cotton textiles in handlooms	0.80	2.56	52	16.00
8	268	Manufacture of coir and coir products	2.02	6.66	55	24.91
9	270	Manufacture of veneer, plywood and their products	7.27	13.07	70	21.74
10	271	Sawing and planing of wood other than plywood	0.45	0.90	22	2.87
11	280	Manufacture of paper and paper board	1.59	0.67	21	6.79
12	284	Printing and publishing of newspaper	9.96	23.03	125	69.06
13	300	Tyre and tube industries	29.49	77.32	84	137.27
14	302	Manufacture of other rubber products	4.03	6.65	43	33.46
15	310	Manufacture of organic and inorganic chemicals	124.21	167.35	154	157.94
16	311	Manufacture of fertilizers and pesticides	319.00	385.71	393	364.09
17	313	Manufacture of drugs and medicines	5.11	12.76	48	27.39
18	314	Manufacture of perfumes and lotions	42.24	103.71	170	324.26
19	331	Casting and forging of iron and steel	10.83	24.83	57	46.76
20	335	Aluminium manufacturing	116.90	160.52	530	805.19
21	341	Manufacture of structural metal products	1.48	3.21	19	9.31
22	357	Manufacture of machine tools, their parts and accessories	2.16	5.91	28	14.96
23	360	Manufacture of electrical industrial machinery and apparatus and parts	75.50	161.62	217	187.20
24	361	Manufacture of insulated wires and cables	43.68	120.24	199	340.34
25	40	Generation and transmission of electrical energy	3643.94	4110.97	4261	596.39
26	380	Manufacture of medical, surgical and scientific equipments	19.29	24.73	151	49.81
27	973	Repair of motor vehicles and motor cycles	1.70	2.08	42	14.85
		All industries	24.44	32.56	115	45.43

2.15

Industry Groups 1976-77

Fixed capital per employee	Output per employee	Value added per employee	Wages per worker	Ratio of fixed capital to output	Ratio of emoluments to output	Ratio of value added to output	Ratio of operating surplus to output	Ratio of fixed capital to value added	Ratio of emoluments to value added	Ratio of operating surplus to productive capital
(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
Rs.	Rs. (in lakhs)	Rs.	Rs.							
10692	125.94	13640	2798.37	0.11	0.03	0.10	0.07	1.09	0.28	0.41
5861	7.15	(-) 476	2054.65	0.81	0.30	(-) 0.06	(-) 0.37	(-) 12.29	(-) 4.58	(-) 0.50
7980	299.22	9268	3395.20	0.02	0.01	0.03	0.01	0.86	0.35	0.32
8419	93.21	33845	2246.47	0.09	0.03	0.36	0.32	0.24	0.09	2.07
190	7.24	1873	1051.02	0.02	0.17	0.25	0.08	0.10	0.67	0.70
14847	80.29	13362	4269.79	0.18	0.06	0.16	0.10	1.11	0.36	0.18
1549	30.96	6446	2741.39	0.05	0.10	0.20	0.10	0.24	0.51	0.63
3703	45.58	10182	3235.25	0.08	0.07	0.22	0.14	0.36	0.34	0.55
10339	30.93	8513	3961.91	0.33	0.14	0.27	0.12	1.21	0.52	0.21
1994	12.79	2999	2571.58	0.15	0.15	0.23	0.07	0.66	0.66	0.25
7294	31.20	4600	2404.51	0.23	0.09	0.14	0.05	1.58	0.61	0.56
7953	55.16	11576	6157.65	0.14	0.14	0.20	0.06	0.68	0.69	0.19
35306	164.33	36460	11127.72	0.21	0.09	0.22	0.13	0.96	0.41	0.22
9269	77.01	12787	3085.64	0.12	0.04	0.16	0.11	0.72	0.29	0.58
80553	102.43	23376	10670.72	0.78	0.12	0.22	0.09	3.44	0.56	0.09
132887	92.60	21507	9397.17	0.87	0.07	0.23	0.15	3.77	0.34	0.14
10534	56.50	19857	4825.81	0.18	0.12	0.35	0.22	0.53	0.34	0.49
24827	190.60	47240	8594.16	0.13	0.05	0.24	0.19	0.52	0.22	0.60
18088	78.13	15416	6515.72	0.23	0.11	0.19	0.08	1.17	0.58	0.15
27717	151.92	38313	11372.61	0.18	0.10	0.25	0.14	0.72	0.40	0.74
7672	48.19	7036	3638.02	0.15	0.08	0.14	0.06	1.09	0.56	0.18
7565	52.36	10952	3300.00	0.14	0.07	0.20	0.13	0.69	0.37	0.33
34791	86.27	29538	7762.31	0.40	0.11	0.34	0.23	1.17	0.32	0.26
21865	170.38	26309	7646.75	0.12	0.06	0.15	0.08	0.83	0.42	0.25
85507	13.99	9990	3891.78	6.10	0.39	0.71	0.31	8.55	0.55	0.04
12756	32.94	5270	7390.07	0.38	0.27	0.16	(-) 0.11	2.42	1.69	(-) 0.22
5461	34.98	13154	6602.40	0.11	0.20	0.32	0.16	0.30	0.54	1.21
21210	39.43	7613	2898.91	0.53	0.09	0.19	0.09	2.78	0.50	0.13

SECTION III
DISTRICTWISE ANALYSIS OF SELECTED INDUSTRIAL CHARACTERISTICS—
ALL INDUSTRIES

The districtwise distribution of major industrial characteristics and their respective percentages are presented in Tables 3.1 and 3.2. Industrywise details of major industrial characteristics in each district are given in Tables 3.3 to 3.13. With the aid of these Tables an analysis of industrial growth of the districts is presented in the following pages.

Trivandrum

There were 90 industrial units in this district during the year 1976-77. These units (4%) together have utilised 49% of the total fixed capital and 43% of the total productive capital in the factory sector of the State. 16% of the total employment, 7% of the total output and 20% of the total value added by manufacture in the factory sector was from this district. Though the generation and transmission of electric energy by the Kerala State Electricity Board are stretched to the length and breadth of the State, the data in respect of this industrial giant is included in this district by virtue of the location of its headquarters at Trivandrum. The high percentage share of industrial characteristics in the Trivandrum district was due to the direct result of this phenomenon. Hence a rational criterion has to be evolved for the apportioning of the characteristics of this industry between the districts for any meaningful analysis of districtwise industrial growth. Consumption of power could be one such criterion.

Cashewnut processing, handlooms and repair of motor vehicles are the major industries in the district. Though employment and the value of output were higher in cashewnut processing industry, value added was highest in handlooms.

Quilon

There were 385 units in Quilon district during the year under report. This formed 17.3% of the total units in the State. But the fixed capital utilised by these units formed only 2.7% of the total fixed capital, but provided employment to as much as 45.5% of the total employment in the factory sector of the State. 12% of the total output and 14% of the total value added by manufacture were from this district.

Out of a total of 385 units 221 units belonged to the cashewnut processing industry alone. As a matter of fact there was a concentration of cashewnut processing industry in this district. Structural clay products is the other important industry in the district.

Alleppey

There were 135 industrial units in this district during the year under survey. The district shared 6% of total units, 2.2% of total fixed capital, 2% of the total employees and 4% of the total value added by manufacture. Coir manufacturing is the predominant industry in the district. In fact there was a concentration of this industry in this district. Oil milling and canning, curing and preserving of fish and other seafoods are the other important industries in the district.

Kottayam

Though 5% of the total units in the factory sector is located in this district the share of fixed capital was only 1% and of factory employment was 2%. The value added by manufacture formed 3.6% of total value added.

Out of a total of 116 units 43 units belonged to the other rubber products industry. Hence it may be seen that there was a fairly good concentration of this industry in the district. Wood industry is another important industry in the district.

Idukki

There were only 92 factories in this district during the year under study. Though this formed 4% of the total units, they commanded only 0.7% of the total fixed capital. But the contribution of these units towards value added is estimated to be 7% of the total value added by manufacture in the State.

Out of the 92 units as many as 70 were tea processing units. Saw mills and other rubber products had nine units each in the district. There was a high degree of concentration of tea industry in this district.

A sizable investment had been made in this district on the generation and transmission of electric energy industry by virtue of the centre of location of major hydro-electric projects in the district. But the data in respect of these projects are not separately available at present. If this factor is also taken into account the mistaken notion about the industrial backwardness of this district will be uncovered.

Ernakulam

The share of Ernakulam district in the factory sector is substantial when compared to other districts. 14% of the units, 35% of the fixed capital, 48% of the total output and 30% of the total value added by manufacture is shared by this district. There is no concentration of any single industry in this district, perhaps with the exception of chemical industries. Saw mills is the industry with the highest number of units. Canning, curing and preserving of fish and similar foods, printing and publishing, heavy chemicals, structural clay products, metal containers, ship building and repairing and repair of motor vehicles each have 10 or more units in the district. Hence it may be seen that there is good dispersal of several industries in the district.

Trichur

319 factories were located in this district during the year under study. These units together utilised 2% of the total fixed capital and produced 4% of the total of output with a 3.6% contribution towards value added by manufacture.

The highest number of factories belonged to the structural clay products with 123 units. Saw mills are other important industry in this district. In fact the influence of structural clay products industry in the economy of the district is significant.

Palghat

There were 192 units in the district during the survey year 1976-77. The share of these units in the total fixed capital was only 1.8%. The share of this district towards value added was estimated to be 2.8% of the total value added by manufacture in the State. Saw mills and grain mill products are most important industries of the district. In terms of capital investment cotton textiles had a lead over all other industries. The district being a granary of the State there is a concentration of grain mill products industries in this district.

Malappuram

Malappuram district is the most backward district of the State. There were only 42 industrial units in the district. They shared only 0.3% of the total fixed capital investment of the factory sector of the State. Though saw mills (with 9 units) have the largest number of units, the highest fixed capital investment was in edible oil industry. The total employment in the factory sector was only 3,101 in this district.

Kozhikode

There were 292 units in the district during the year 1976-77 with 3.8% share of total fixed capital, 6% share in total employment, 6% share each in total output and total value added by manufacture in the factory sector. Out of the total units 105 units were saw mills. Handloom, structural clay products, tea processing, plywood, other rubber products and repair of motor vehicles industries have 10 or more units in each of them. Though fixed capital investment was highest in saw mills, employment opportunities were higher in structural clay products. Concentration of any particular industry was not visible in this district. There were 21 industry groups with 3 or more units in them in this district as against 25 in Ernakulam district and 19 in Trichur district.

Cannanore

There were 244 industrial units in this district. These units together commanded only 1% of the total fixed capital, 5% of the total employment and 4% each of the total output and value added for the sector as a whole. Out of the total of 244 units 79 were handlooms and 69 were saw mills. Employment in weaving and finishing of cotton textiles on handlooms show a decline of about 109% over the last year. There was a concentration of handloom units in this district.

The above discussion reveals that the major industries in the traditional sector like cashew, coir, tea and handloom are concentrated in certain districts, while industries like structural clay products and wood industry, play crucial roles in the economy of several districts. Since Ernakulam, Kozhikode and Trichur districts have a fairly large variety of industries without much concentration of any particular industry, these districts have a comparatively higher potential for industrial growth.

Relative importance of Districts (All Industries)

The above discussion reveals that some of the districts are comparatively advanced in the industrial sector while others are lagging behind. In order to assess the relative importance of the districts in the industrial development of the State, districts are arranged in descending order of their contribution towards value added by manufacture. As mentioned earlier that since the activities of the Kerala State Electricity Board are spread throughout the State, inclusion of data on Kerala State Electricity Board in Trivandrum District just because the headquarters of the KSEB happened to be at Trivandrum will distort the indicators of development in the factory sector of the district, the data in respect of generation and transmission of electric energy industry have been excluded for this purpose.

TABLE 3.0

Arrangement of Districts according to their Contributions towards Value added by Manufacture (excluding Electricity)

Sl. No.	Name of the district	Value added (Rs. in lakhs)	Percentage to the total
1	Ernakulam	5,757	34.9
2	Quilon	2,766	16.8
3	Idukki	1,396	8.5
4	Trichur	1,294	7.8
5	Kozhikode	1,222	7.3
6	Trivandrum	976	5.9
7	Cannanore	846	5.2
8	Alleppey	790	4.8
9	Kottayam	701	4.2
10	Palghat	547	3.3
11	Malappuram	215	1.3
	State	16,509	100

As in the previous years Ernakulam took the first place with 34.4% share in the contribution of districts towards value added by manufacture. Quilon district was second in this respect with 16.8% of the total value added. Malappuram as usual occupied only the lowest rung of the ladder. While Ernakulam and Quilon contributed about 52% of the total value added by manufacture all the other nine districts accounted 42% only. Hence it may be seen that while these two districts are fairly industrialised, the remaining districts lag very behind in this respect. Besides Ernakulam and Quilon, the potential for industrial development in Kozhikode and Trichur Districts are comparatively higher than other districts while the third place of Idukki is only due to its prominence in Plantation Industry.

In order to assess the relative level of development between the districts from various angles, a few economic indicators relating to the factory sector are presented in Table 3.14. The data relating to generation and transmission of electric energy industry has been excluded for working out these economic indicators for reasons stated earlier in this report.

TABLE 3.1
Selected Characteristics—Share of the Districts to State Total

Sl. No.	Item	Unit	State (total)	Trivandrum	Quilon	Alleppey
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	No. of factories reported	No.	2222	90	385	135
2	Fixed capital	Rs. in lakhs	54297.26	26576.27	1479.16	1198.61
3	Working capital	"	18040.28	4419.14	1683.02	672.83
4	Productive capital	"	72337.54	30995.41	3162.19	1871.43
5	Invested capital	"	76718.35	29909.80	3683.77	2274.86
6	Loans outstanding	"	50460.03	28503.39	2981.46	1332.91
7	No. of workers	No.	212231	30793	96464	8840
8	Total No. of employees	No.	255995	42038	105452	11537
9	Wages to workers	Rs. in lakhs	6152.39	1189.53	1230.60	271.28
10	Total emoluments	"	9884.63	2219.30	1713.34	441.89
11	Material input	"	64999.72	1693.65	7899.65	4036.55
12	Total input	"	78130.97	2687.10	9408.99	4716.42
13	Total output	"	100942.56	7358.97	12344.53	5605.52
14	Net output	"	19489.39	3934.59	2766.06	789.57

TABLE 3.1--(Contd.)

Sl. No.	Kottayam	Idukki	Ernakulam	Trichur	Palghat	Malappuram	Kozhikode	Cannanore
(1)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1	116	92	319	315	192	42	292	244
2	643.79	362.61	19228.13	993.68	957.24	159.40	2065.59	632.78
3	420.99	267.40	7688.49	964.79	625.45	104.90	566.17	627.10
4	1064.78	630.02	26916.62	1958.46	1582.70	264.29	2631.76	1259.88
5	1352.89	629.54	30478.01	2398.22	1620.40	293.05	2784.98	1292.83
6	681.86	26.01	12316.75	1390.97	726.34	183.16	1362.00	955.18
7	4291	3963	22134	13965	7270	1325	12522	10664
8	5788	4485	30182	16273	9109	3101	15576	12454
9	177.18	89.80	1575.75	553.79	224.81	52.12	433.72	353.81
10	302.10	139.98	2802.29	748.84	324.45	79.83	632.88	479.23
11	2707.36	2079.72	34528.04	3496.48	1908.18	484.19	3556.42	2609.48
12	3225.59	2363.25	41052.54	4227.71	2375.86	535.45	4310.27	3227.79
13	4000.00	3777.27	48647.18	5630.47	3011.66	761.99	5648.03	4156.94
14	707.09	1378.52	5775.04	1308.32	547.42	215.22	1221.68	845.88

TABLE 3.2

Selected Characteristics—Percentage Share of the districts to State Total

Sl. No.	Item—	Unit	State total	Trivandrum	Quilon	Alleppey	Kottayam	Idukki	Ernakulam	Trichur	Palghat	Malappuram	Kozhikode	Cannanore	State
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	No. of factories reported	No.	2222	4.05	17.32	6.01	5.22	4.15	14.35	14.17	8.65	1.89	13.15	10.98	100.00
2	Fixed capital	Rs. in lakhs	54297.26	48.94	2.73	2.20	1.18	0.67	35.41	1.84	1.76	0.30	3.80	1.17	100.00
3	Working capital	"	18040.28	24.49	9.33	3.73	2.34	1.49	42.61	5.35	3.47	0.59	3.13	3.47	100.00
4	Productive capital	"	72337.54	42.84	4.37	2.59	1.48	0.88	37.20	2.71	2.19	0.37	3.63	1.74	100.00
5	Invested capital	"	76718.35	38.98	4.80	2.96	1.77	0.83	39.72	3.12	2.12	0.38	3.03	1.69	100.00
6	Loans outstanding	"	50460.03	56.48	5.90	2.64	1.36	0.06	24.40	2.76	1.44	0.37	2.09	1.90	100.00
7	No. of workers	No.	212231	14.50	45.45	4.17	2.03	1.87	10.42	6.58	3.43	0.63	5.90	5.02	100.00
8	Total No. of employees	"	255995	16.42	41.19	4.50	2.27	1.76	11.79	6.35	3.56	1.22	6.08	4.86	100.00
9	Wages to workers	Rs. in lakhs	6152.39	19.33	20.00	4.40	2.88	1.46	25.61	9.01	3.66	0.85	7.04	5.76	100.00
10	Total emoluments	"	9884.63	22.45	17.33	4.47	3.06	1.42	28.34	7.58	3.29	0.81	6.41	4.84	100.00
11	Material input	"	64999.72	2.60	12.15	6.21	4.16	3.20	53.12	5.37	2.94	0.75	5.48	4.02	100.00
12	Total input	"	78130.97	3.44	12.04	6.03	4.13	3.03	52.54	5.41	3.05	0.69	5.51	4.13	100.00
13	Total output	"	100942.56	7.29	12.22	5.56	3.97	3.75	48.19	5.57	2.99	0.76	5.59	4.11	100.00
14	Net output	"	19489.39	20.18	14.19	4.05	3.63	7.07	29.63	6.71	2.81	1.11	6.26	4.35	100.00

TABLE 3.3

Annual Survey of Industries, 1976-77

(Census and non-census combined)

Trivandrum

Sl. No.	Code	Name of industry	No. of units	Productive capital	Fixed capital	Working capital	Invested capital	Outstanding loans	Mandays worked	No. of workers	Total employees	Wages to workers
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
				Rs.	Ks.	Rs.	Rs.	Rs.	No.	No.	No.	Rs.
1	214	Cashewnut processing	15	2920286	447014	2473272	4755377	4078520	488457	4470	4732	3769423
2	231	Spinning and weaving of cotton textiles in mills	3	9979907	7285055	2694852	15608626	16982388	176690	498	576	2834156
3	276	Manufacture of wooden furniture and fixtures	4	2958409	1460938	1497471	4129617	830348	110679	366	457	1492486
4	285	Printing and publishing of periodicals, journals and books	9	54143003	6348122	47794881	49519177	96915	301429	1040	1275	6316466
5	289	Printing and publishing of allied activities not elsewhere classified	4	1719771	1054459	665312	1214914	608613	49953	168	206	312766
6	345	Manufacture of metal utensils, cutlery and kitchenware	3	1378888	525682	853206	1326619	715438	12305	42	83	188702
7	973	Repair of motor vehicles and cycles	12	5649368	4019819	1629549	5033000	113532	244058	694	872	5457444
8		Other industries	40	3020791282	2636485835	384305447	2990979899	2826913604	8411083	23515	33837	98581440
		Total	90	3099540914	2657626924	441913990	2990979796	2850339358	9794654	30793	42038	118952883

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TABLE 3.3—(Contd.)

Sl. No.	Total emoluments	Fuels etc. consumed	Material consumed	Other input	Total input	Products & by-products	Other output	Total output	Depreciation	Value added	Factor payments	Net income
(1)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	4787261	33355	15957442	896795	16887592	24001277	690281	24691558	44812	7759154	613257	7145897
2	3422822	529960	16464316	1257123	18251399	21627224	649885	22277109	285094	3740616	1287876	2452740
3	2270982	111744	2186617	304793	2603154	5406923	163029	5569952	75786	2891012	13546	2877466
4	8152592	178603	4624248	806124	5608975	15401213	2122023	17523236	455019	11459242	62888	11396354
5	595277	50614	1525669	181880	1758163	3488989	107200	3596189	136083	1701943	132321	1569622
6	319749	18992	1184890	516623	1720505	1916885	159732	2076617	39782	316330	54158	262172
7	7567970	3393562	14925560	3501989	21821111	657375	27620318	28277693	296914	6159668	21611	6138057
8	193813724	21076626	112496075	66486484	200059185	569043399	62841082	631884481	72394608	359430688	24731329	334699359
Total	221930377	25393456	169364817	73951811	268710084	641543285	94353550	735896835	73728098	393458653	26916986	366541667

Annual Survey of Industries, 1976-77
(Census and non-census combined)

Quilon

Sl. No.	Code No.	Name of industry	No. of units	Productive capital	Fixed capital	Working capital	Invested capital	Outstanding loans	Mandays worked	No. of workers	Total employees	Wages to workers
				Rs.	Rs.	Rs.	Rs.	Rs.	No.	No.	No.	Rs.
1	203	Canning, preserving and processing of fish	9	10229381	7652383	2576998	11629782	43418165	119915	444	661	852659
2	211	Manufacture of other edible oils	6	586595	598935	(—)	1347867	847631	6386	26	58	115012
3	212	Tea processing	6	1169020	347824	821196	1163349	..	35241	138	163	232459
4	214	Cashewnut processing	221	83131340	17968772	65162568	116648589	78379399	11079877	88128	94664	87679960
5	270	Manufacture of veneer, plywood and their products	8	9938837	5362689	4576148	11760821	7415117	123390	423	566	1823706
6	271	Sawing and planing of wood	19	1310797	582841	727956	957886	340260	111012	427	479	601632
7	272	Manufacture of wooden and cane boxes etc.	4	287426	164732	122694	267795	..	2143	16	28	45726
8	281	Manufacture of boxes of paper and paper board	4	3114102	1212100	1902002	2292308	1230025	27601	92	139	235936
9	285	Printing and publishing of periodicals, books and journals	3	1480377	1345228	135149	1463361	586410	14933	49	60	173943
10	302	Manufacture of rubber products not elsewhere classified	13	8833197	3909194	4924003	8685697	963	138924	467	545	1232021
11	320	Manufacture of structural clay products	33	4574858	2536600	2038258	5781892	2329545	376840	1306	1476	3550290
12	340	Manufacture of fabricated metal products	17	10492789	1259373	9233416	11989710	1661141	34741	214	302	383470
13		Other industries	42	181069861	104975756	76094105	194387851	161937543	1474278	4734	6311	26133621
		Total	385	316218580	147916427	168302153	368376908	298146199	13545281	96464	105452	123060435

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TABLE 3.4—(Contd.)

Sl. No.	Total emoluments	Fuels etc. consumed	Material consumed	Other input	Total input	Products & by-products	Other output	Total output	Depreciation	Value added	Factor payments	Net income
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	1817054	1495789	52204621	4666184	58366594	63009512	3187172	66196684	1184845	6645245	2059559	4585686
2	140134	61190	5369296	490314	5920800	7194980	245461	7440141	86994	1432647	111412	1321235
3	431479	236253	4237018	516028	4989299	8138280	295137	8433417	80835	3363283	..	3363283
4	113080161	3535678	406389764	83728724	493654166	585467992	80539009	666007001	2198077	170154758	12737749	157417009
5	2801517	1581012	8687002	785531	11053545	14623852	70175	14694037	609831	3030661	900770	2129891
6	838857	50576	4229263	468059	4747898	6156892	5838	6162730	46335	1368497	92711	1275786
7	61182	2961	204826	17914	25701	291333	19756	311089	4355	81033	2400	78633
8	478116	91943	6454314	555313	7101570	8720763	116268	8837031	144290	1591171	254329	1336842
9	221944	25882	341475	128733	496090	107234	980998	1088232	60506	531636	74867	456769
10	1925698	666734	39622277	857403	41146414	48199461	245483	48444944	649039	6649491	..	6649491
11	4601955	2410510	1160778	699254	4270542	10506009	45570	10551579	195840	6085197	247339	5837858
12	792233	95761	16498983	668304	17263048	20567072	(—)	20559387	138115	3158224	682873	2475351
13	44143614	23980897	244564913	23117272	291663082	337835954	37890035	375725989	11548651	72514256	17211177	55303079
	Total	34235186	789964530	116699033	940898749	1110819344	123633217	1234452561	16947713	276606099	34375186	242230913

TABLE 3.5

Annual Survey of Industries, 1976-77

(Census and non-census combined)

Alleppey

Sl. Code No.	Name of industry	No. of units	Productive capital	Fixed capital	Working capital	Invested capital	Outstanding loans	Mandays worked	No. of workers	Total employees	Wages to workers	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
			Rs.	Rs.	Rs.	Rs.	Rs.	No.	No.	No.	Rs.	
1	203 Canning, preserving and processing of fish	6	3606969	1689835	1917134	4717731	4367775	23409	106	208	239557	
2	211 Manufacture of other edible oils	11	3767445	2663697	1103748	6539984	4212023	39955	208	288	428438	
3	214 Tea processing	4	769665	137317	632348	3860913	3947777	438965	2836	3041	3742404	
4	219 Manufacture of food products not elsewhere classified	4	5502679	361382	5141297	6469754	..	7628	30	54	114545	
5	268 Manufacture of coir and coir products	42	33392905	8960831	24432074	30812395	22858512	470694	1666	2258	6124054	
6	271 Sawing and planing of wood	8	376309	117261	259048	232971	61448	58211	296	325	275793	
7	285 Printing and publishing of periodicals, books and journals	4	1615830	1326158	289672	1614234	701656	14883	50	61	183715	
8	973 Repair of motor vehicles and cycles	3	1018336	757197	261139	1018136	..	115756	317	334	2184296	
9	Other industries	53	137092475	103846245	33246230	172219545	97141597	879838	3331	4968	13835558	
	Total	135	187142613	119859923	67282690	227485663	133290788	2049339	8840	11537	27128360	

TABLE 3.5—(Contd.)

Sl. No.	Total emoluments	Fuels, etc. consumed	Material consumed	Other input	Total input	Products & by-products	Other output	Total output	Depreciation	Value added	Factor payments	Net income
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	298883	441555	20742539	2899904	24083998	2743237	348313	27780690	388011	3308601	671328	2637273
2	717471	297016	99561306	10896945	110755267	1025751	10699111	113274270	282923	2236080	612639	1623441
3	4990713	31318	13680839	619746	14331903	20472408	30937	20503345	15254	6156188	235594	5920594
4	243435	20457	32508634	3087942	35617033	34396567	2962197	37358764	24059	1717672	137761	1579911
5	9662611	642953	100187286	7233986	108064225	126911245	12022218	138933463	603228	30266010	2774748	27491262
6	392080	27465	1392250	99607	1519322	2183423	3288	2186711	9974	657415	36847	620568
7	254626	22123	1230931	115541	1368595	350647	1764917	2115564	116540	630429	109145	521284
8	2557011	131445	5412791	53969	5598205	..	8368013	8368013	56796	2713012	..	2713012
9	25071698	9912236	128938988	31452827	170303151	182590221	27441131	210031352	8456329	31271872	13923445	17348427
Total	44188528	11526568	402654664	56460467	471641699	496912047	63640125	560552172	9953194	78957279	18501507	60455772

TABLE 3.6

Annual Survey of Industries, 1976-77
(Census and non-census combined)

Kottayam

Sl. No.	Code No.	Name of industry	No. of units	Productive capital	Fixed capital	Working capital	Invested capital	Outstanding loans	Mandays worked	No. of workers	Total employees
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	270	Manufacture of veneer, plywood and their products	4	Rs. 6504959	Rs. 4336559	Rs. 2168400	Rs. 6793212	Rs. 3334390	No. 113915	No. 373	No. 484
2	271	Sawing and planing of wood	17	2081083	766941	1314142	1844037	1205799	114877	415	490
3	285	Printing and publishing of books, periodicals and journals	11	2236177	1596329	639848	2168044	1118886	89937	298	363
4	302	Manufacture of rubber products not elsewhere classified	43	29836085	19814977	10021108	44857314	30428838	420119	1679	2279
5	973	Repair of motor vehicles and cycles	7	928757	697738	231019	915866	45124	102559	294	343
		Other industries	34	64891270	37166735	27724535	78710422	32053407	459040	1232	1829
		Total	116	106478331	64379279	42099052	135288895	68186444	1300447	4291	5788

TABLE 3.6—(Contd.)

Sl. No.	Wages to workers	Total emoluments	Fuels etc. consumed	Materials consumed	Other input	Total input	Products & by-products	Other output	Total output	Depreciation	Value added	Factor payments	Net income
(1)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
1	Rs. 1416617	Rs. 2205886	Rs. 406291	Rs. 6889613	Rs. 2530527	Rs. 9826431	Rs. 12612183	Rs. 1709702	Rs. 14321885	Rs. 261384	Rs. 4234070	Rs. 709175	Rs. 3524895
2	806012	1164097	150029	4514697	797018	5461744	6801539	609896	7411435	78442	1871249	131712	1739537
3	939036	1191133	56374	936687	308212	1301273	2051440	785967	2837407	150292	1385842	175725	1210117
4	5612176	8956051	4270536	151345463	9604317	165220316	192186926	2985265	195172191	2898233	27053642	3892504	23161138
5	1845857	2337671	125043	6231452	241014	6597509	..	9259899	9259899	54319	2608071	48612	2559459
	7097350	14355509	18535184	100817894	14798677	134151755	151784110	19213103	170997213	3289826	33555632	5072736	28482896
	17717048	30210347	23543457	270735806	28279765	322559028	365436198	34563832	400000030	6732496	70708506	10030464	60678042

TABLE 3.7
Annual Survey of Industries, 1976-77
(Census and non-census combined)

Idukki

Sl. No.	Code No.	Name of industry	No. of units	Productive capital	Fixed capital	Working capital	Invested capital	Outstanding loans	Mandays worked	No. of workers	Total employees
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	212	Tea processing	70	54419641	31395639	23024002	54524707	1195540	1030317	3356	3772
2	271	Sawing and planing of wood	5	424450	182199	242251	451421	106405	36464	136	152
3	302	Manufacture of rubber products not elsewhere classified	5	2603625	685541	1918084	2590596	..	47948	158	168
		Other industries	12	5554276	3998019	1556257	5387114	1298404	95051	313	393
		Total	92	63001992	36261398	26740594	62953838	2600349	1209780	3963	4485

TABLE 3.7—(Contd.)

Sl. No.	Wages to workers	Total emoluments	Fuels etc. consumed	Materials consumed	Other input	Total input	Products & by-products	Other output	Total output	Depreciation	Value added	Factor payments	Net income
(1)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
1	7253132	11527201	15915450	190834522	10931310	217681282	355298650	791401	356090051	3123776	135284993	317033	134967960
2	205556	262890	11977	738832	77701	828510	1215704	3590	1219294	12596	378188	51605	326583
3	411090	523154	142150	7725762	181635	8049547	9945872	..	9945872	65555	1830770	..	1830770
	1110292	1684368	300601	8674066	701419	9766086	6845412	3625981	10471393	346716	358591	260927	97664
	8980070	13997613	16460178	207973182	11892065	236325425	373305638	4420972	377726610	3548643	137852542	629565	137222977

TABLE 3.8

Annual Survey of Industries, 1976-77
(Census and Non-Census combined)

Ernakulam

Sl. No.	Code No.	Name of industry	No. of units	Productive capital	Fixed capital	Working capital	Invested capital	Outstanding loans	Mandays worked	No. of workers	Total employees	Wages to workers
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
				Rs.	Rs.	Rs.	Rs.	Rs.	No.	No.	No.	Rs.
1	203	Canning, preserving and processing of fish, etc.	26	32887069	20123280	12763789	35615383	38687432	239737	974	1245	2587872
2	211	Manufacture of other edible oils	4	4876177	612897	4263280	4793421	673695	14308	49	63	156191
3	231	Cotton spinning, weaving and finishing of cotton textiles in mills	4	39086016	24964282	14121734	48091418	21906567	533027	1598	1770	8753122
4	268	Manufacture of coir and coir products	6	1620937	541919	1079018	1542139	505674	54013	188	209	462948
5	271	Sawing and planing of wood	50	6008934	3224400	2784534	5267145	2727798	292642	1049	1192	1944990
6	276	Manufacture of wooden furniture and fixtures	4	3088949	645420	2423636	2879093	199407	38132	130	165	686503
7	281	Manufacture of containers of paper and paper board	3	2505152	1141435	1363717	2155448	1443102	7881	26	37	65116

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TABLE 3.8—(Contd.)

Sl. No.	Total emoluments	Fuels etc. consumed	Materials consumed	Other input	Total input	Products and by-products	Other input	Total output	Depreciation	Value added	Factor payments	Net income
(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	5355905	3029561	138722710	17634684	159386955	172409010	7064611	179473621	2390599	17696067	4757047	12939020
2	203931	63545	12751259	943541	13758345	13741958	224000	13965958	66515	141098	400449	(-) 259351
3	11186169	2726088	56088464	50854889	109669441	81539055	50644806	132183861	2425776	2088644	4702664	15385980
4	604806	54514	2315089	266615	2636218	3063793	560300	3624093	30394	957481	104113	853368
5	2550950	240022	16222062	2605482	19067566	22278565	1276438	23555003	340733	4146704	504409	3642295
6	1039145	70748	3126912	632996	3830656	5014317	235157	5249474	81258	1337560	73875	1263685
7	132811	51942	3289129	514985	3856056	4282819	89958	4372777	105523	411198	212449	198749

TABLE 3.8—(Contd.)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
				Rs.	Rs.	Rs.	Rs.	Rs.	No.	No.	No.	Rs.
8	285	Printing and publishing of periodicals, books, journals, etc.	20	6325197	4052328	2272869	5831923	1609866	128666	435	517	2402863
9	289	Printing and publishing of allied articles not elsewhere classified	4	3831446	2477644	1353802	3133734	1050824	30704	100	118	427286
10	300	Tyre and tube industries	7	111676454	42769148	70333418	99226850	53726283	230270	672	1010	8564203
11	302	Manufacture of rubber products not elsewhere classified	3	4101599	3814882	286717	4725353	202631	20085	65	102	303395
12	310	Manufacture of basic industrial organic and inorganic chemicals	12	218531666	170590518	47941148	228324928	146005571	406679	1148	1743	12037417
13	311	Manufacture of fertilizers and pesticides	4	687372510	573151716	114220794	712542977	18543810	1057627	2902	3941	28909599
14	314	Manufacture of perfumes, cosmetics, etc.	4	53869765	16402789	37466976	77619852	65723473	256599	734	985	6934909
15	316	Manufacture of turpentine, etc.	4	8975477	3162102	5813375	8376042	5633283	13569	49	72	206550
16	320	Manufacture of structural clay products	17	3828998	1688562	2140436	2975383	810637	143301	507	569	1314412
17	331	Casting and forging of iron and steel	6	11673712	7530395	4143317	13580181	11276425	65688	223	322	1349348

TABLE 3.8—(Contd.)

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
8	2882762	93569	2635393	495498	3224460	4779798	1692022	6471820	2892338	91192	2801146
9	662254	64343	2182172	1174857	3421372	4219375	52301	4271676	637557	190098	447459
10	17815986	6460834	132135445	10935236	149531515	203464631	(—)	7445559	3774352	6477765	36235440
11	586983	313499	1220511	1354917	2888927	3634563	1015115	4649678	509151	595046	656554
12	22212329	21983133	79318419	16214088	117515640	173924876	1530155	175455031	26662063	31277328	14192994
13	49987658	86356177	223751525	51198196	361305898	570321573	345991	570667564	69439758	139921908	83737796
14	11450555	8794992	148210220	4633506	161638718	221874901	(—)	152783	2193282	57890118	49747640
15	400235	744329	13329398	959412	15033139	15670532	1859502	17530034	535760	832637	1128498
16	1596731	1114408	686581	323666	2124655	4329206	7562	4336768	116228	2095885	1903615
17	2393978	1098035	8470504	935082	10503621	15953100	14696	15967796	323837	1911846	3228492

TABLE 3.8—(Contd.)

Ernakulam—(Contd.)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
				Rs.	Rs.	Rs.	Rs.	Rs.	No.	No.	No.	Rs.
18	340	Manufacture of fabricated metal products	12	15958795	8514694	7444101	12862890	4865825	105858	368	480	1730108
19	341	Manufacture of structural metal products	8	2447453	535294	1912159	1477958	820309	29741	97	135	288118
20	343	Manufacture of hand tools and general hardware	5	2995349	1439900	1555449	2356836	2516958	38184	131	161	458167
21	359	Manufacture and repair of non-electrical machinery	4	1165584	939720	225864	1238589	618790	15246	50	71	200619
22	360	Manufacture of electrical machinery and apparatus	3	113501533	47590953	65910580	114812038	43581150	234118	778	1155	6682672
23	370	Shipbuilding and repairing	14	737657216	598565993	139091223	750986182	606242762	292593	965	1863	7360707
24	972	Electrical repair shops	3	422154	333697	88457	382567	..	12708	42	52	174147
25	973	Repair of motor vehicles and cycles	12	2136132	1707021	429111	2059263	61532	160113	468	537	2690477
		Other industries	80	615117970	386292439	227419312	904943150	202241415	2735007	8386	11668	60883716
		All industries	319	2691662244	1922813428	768848816	3047800743	1231675219	7156496	22134	30182	157575455

TABLE 3.8—(Contd.)

(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
18	2727990	497308	26043754	2970586	29520648	33701207	617100	34318307	523421	4274238	629883	3644355
19	512375	59681	1649547	531631	2240859	2988519	506764	3495283	111229	1143195	146312	996883
20	678631	188410	3011685	345700	3545795	4834495	386398	5220893	101118	1573980	377738	1196242
21	262559	40220	315723	105070	461013	701642	193952	895594	42508	392073	51855	340218
22	11556475	1527915	66881386	10473933	78883234	114446614	14711370	129157984	5213785	45060965	7012684	38048281
23	18820515	2439173	58018031	163881700	224338904	193417186	65169222	258586408	12570138	21677366	16797075	4880291
24	258324	15923	368171	60953	445047	825199	17224	842423	40872	356504	9056	347448
25	3328455	252730	5668904	5287811	11209445	15891584	15891584	15891584	314026	4368113	60254	4307859
	111020404	71235574	2446390594	97590004	2615216172	2802281958	34511511	2836793509	53479979	168097358	38262729	129834629
	280228916	209516673	3452803588	442934038	4105254299	4673698892	191019437	4864718329	181960074	577503956	165804370	411699586

TABLE 3.9
Annual Survey of Industries, 1976-77

Trichur

Sl. Code No.	Name of industry	No. of units	Productive capital	Fixed capital	Working capital	Invested capital	Outstanding loans	Mandays worked	No. of workers	Total employees	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
			Rs.	Rs.	Rs.	Rs.	Rs.	No.	No.	No.	
1	202 Canning and preservation of fruits and vegetable tables	4	922728	1420005	(-) 497277	3685628	3786294	63328	253	377	
2	204 Grain mill products	5	384757	156337	228420	287797	96131	7584	33	49	
3	211 Manufacture of other edible oils	8	2832923	1691918	1141905	3902284	2308581	43640	145	210	
4	214 Cashewnut processing	46	1284650	428965	855685	2622436	1654731	276742	1556	1644	
5	231 Cotton spinning and weaving in mills	5	24791740	15974708	8817032	39525261	37874251	781551	2288	2451	
6	265 Manufacture of raincoats and hats	3	1256842	88461	1168381	1059846	238546	4417	19	36	
7	270 Manufacture of veneer, plywood and their products	3	2849268	1479307	1369961	3388709	1310650	53550	179	213	
8	271 Sawing and planing of wood	39	3319996	1691913	1628083	3151680	2091011	137183	510	612	
9	272 Manufacture of wooden and cane boxes, etc.	4	449789	422430	27359	672210	450961	11262	56	94	
10	274 Manufacture of wooden bobbins, blocks etc.	5	942430	402026	540404	724382	237365	19471	66	82	
11	285 Printing and publishing of periodicals, journals and books	4	192964	125501	67463	135183	21577	10664	38	42	
12	289 Printing and publishing of allied articles not classified	11	13788895	6632471	7156424	13730434	1401532	113560	393	488	
13	302 Manufacture of other rubber products	8	4606007	2866497	1739510	5078150	823930	84279	260	312	
14	313 Manufacture of drugs and medicines	9	4978820	2018007	2960813	5522374	2901533	60778	169	313	
15	320 Manufacture of structural clay products	123	26373513	14850798	11522715	26316568	11331274	1155137	4136	4599	
16	331 Casting and forging of iron and steel	4	1448569	511311	937258	1079093	535395	20572	69	89	
17	343 Manufacture of hand tools and general hardware	4	188988	332309	(-) 143321	370141	679571	4682	17	22	
18	354 Industrial machinery other than food and textiles	9	2303888	1157231	1146657	2660657	2042766	48006	167	227	
19	973 Repair of motor vehicles and cycles	9	154299	1060178	(-) 905879	1451745	745944	68069	201	226	
	Other industries	52	102774812	46057672	56717140	124456692	68564756	971308	3410	4187	
	All industries	315	195845878	99367145	96478733	239822270	139096799	3935783	13965	16273	

TABLE 3.9—(Contd.)

Trichur—(Contd.)

Sl. No.	(1)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Wages to workers	Total emoluments	Fuels, etc. consumed	Materials consumed	Other input	Total input	Products & by-products	Other output	Total output	Depreciation	Value added	Factor payments	Net income	
1	493892	834917	130925	6086059	736281	6953265	8079922	291109	8371031	119589	1298177	805336	492841	
2	46052	139417	26367	1946862	1155511	3128740	2359490	1190641	3550131	10522	410869	81882	328987	
3	511726	1004512	258530	38037187	1473379	39769096	40632866	266730	40899596	239804	890696	291560	599136	
4	2675531	3246698	74071	14087809	657596	14819476	19744370	241387	19985757	36256	5130025	318925	4811100	
5	12025000	13518701	2571393	68917335	4689450	76178178	92315224	2397678	94712902	1442307	17092417	3005013	14087404	
6	41483	72479	20285	1408539	4711673	6140497	1869327	4700548	6569875	6792	422586	153169	269417	
7	660544	887669	72689	1941027	375076	2388792	3256594	130407	3387001	146664	851545	224731	626814	
8	840822	1169797	214640	8745280	1601314	10561234	11700458	975021	12675479	146214	1968031	262789	1705242	
9	99352	145650	20363	943806	576385	1540554	1346910	550028	1896938	16662	339722	68807	2705242	
10	1182415	170564	20268	1127678	95940	1243886	1795779	4908	1800687	20151	536650	48418	488232	
11	87388	114015	4460	193976	26671	225107	227458	170234	397692	11125	161460	13877	147583	
12	1850598	2625387	183006	9350701	1214012	10747719	9268498	4719281	13987770	469986	2770074	180399	2589675	
13	751051	1187878	456234	10653387	716343	11825964	16806950	27468	16834418	445906	4562548	96157	4466391	
14	931502	2142822	390968	8517950	1091156	10000074	14583098	167131	14750229	203981	4546174	520703	4025471	
15	11034548	13980820	10001128	6769155	4643457	21413740	41645926	2696832	44342758	1269730	21659288	1566026	20093262	
16	273999	435257	115812	2298273	299340	2713425	3510665	142293	3652958	45822	893711	77775	815936	
17	46818	62596	22335	69192	6178	97705	162841	7061	169902	33466	38731	2708	36023	
18	723596	1039122	159465	1931571	644677	2735713	4292522	541026	4833548	111225	1986610	197777	1788833	
19	2104887	2545023	243726	3855883	1671077	5770686	615316	7930712	8546028	105782	2669560	136340	2533220	
O. I.	20262300	29560646	7022571	162765833	23293580	193081984	255488364	6194302	261682666	4562731	64037951	12948010	51089941	
A. I.	55379234	74883970	23444436	349647503	49679096	422771035	52970578	33344797	563047375	9444715	130831625	21000402	109831223	

TABLE 3.10

Annual Survey of Industries, 1976-77

Palghat

Sl. Code No.	Name of industry	No. of units	Productive capital	Fixed capital	Working capital	Invested capital	Outstanding loans	Mandays worked	No. of workers	No. of employees	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
			Rs.	Rs.	Rs.	Rs.	Rs.	No.	No.	No.	
1	204 Grain mill products	37	3891792	2522810	1368983	3535018	507990	69832	399	511	
2	211 Manufacture of other edible oils	4	1839928	511734	1328194	1689110	1284920	9684	37	57	
3	226 Manufacture of beedi	3	187741	17831	169910	45215		45743	160	176	
4	231 Spinning and weaving of cotton textiles in mills	3	35710463	23548378	12152085	34572065	14143950	408828	1148	1227	
5	271 Sawing and planing of wood	56	3784458	1443758	2340700	3503412	935846	315454	1277	1439	
6	285 Printing and publishing of books, journals, etc.	4	7396835	3952002	3444833	5351259		94179	324	368	
7	289 Printing and publishing of allied articles not elsewhere classified	3	190132	134200	55932	267168	193422	9309	32	37	
8	302 Manufacture of other rubber products	5	2029726	1632856	396870	1881904	254994	13668	53	70	
9	317 Manufacture of matches	5	163759	10070	153689	250794		46078	171	181	
10	320 Manufacture of structural clay products	7	1802293	1211000	591293	2644091	1476169	157385	525	577	
11	343 Manufacture of hand tools and general hardware	4	3832204	1674223	2157981	4618787	4495925	161320	536	648	
12	345 Manufacture of metal utensils, cutlery and kitchenware	4	301630	77083	22457	513476	480950	16724	53	69	
13	389 Manufacture of machine products not elsewhere classified	4	200212	78315	121897	185940	72856	26696	88	103	
14	973 Repair of motor vehicles and cycles	5	485641	393778	91863	451625	168262	6623	25	34	
	Other industries	48	96452795	58516223	37936572	102530351	48619112	468447	2442	3612	
	All industries	192	158269610	95724261	62545349	162040215	72634396	1849970	7270	9109	

TABLE 3.10—(Contd.)

Sl. No.	Wages to workers	Total emoluments	Fuels etc. consumed	Materials consumed	Other input	Total input	Products and by-products	Other output	Total output	Depreciation	Value added	Factor payments	Net income
(1)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	701254	892955	571541	27744138	5617031	33932710	30396888	5407838	35804726	189741	1682275	118222	1564053
2	75708	164847	56135	19190189	8696574	27942898	20813931	7748430	28562361	46238	573225	144418	428807
3	244596	309925	19759	1057879	1782758	2860396	4043823		4043823	1981	1181446	18694	1162752
4	6648655	8513377	2033384	48819536	2937197	58790117	68850629	965424	69816053	2303351	13722585	2022687	11699898
5	1721101	2161258	258001	12823273	1529095	14610369	16057327	993934	17051261	97566	2343326	184827	2158499
6	1680940	2111924	34775	716291	173783	924849	990611	2072839	3063450	141492	1997109	6739	1990370
7	68522	87875	5303	365992	46636	417931	4491689	84312	533481	14227	101323	7410	93913
8	180153	297622	64166	2755848	668179	3488193	11144766	19140	4163906	43586	632127	221782	410345
9	129468	155862	10912	590451	156251	757614	974278	8791	983069	1119	224336	8650	215686
10	1585232	2050410	704245	662058	498250	1864553	4558945	222291	4781236	89889	2826794	185789	2641005
11	2209837	3192778	1488219	6617904	1470920	9577043	14579879	677963	15257842	242956	5437843	782274	4655569
12	134200	202110	27269	170733	360811	558813	761642	70611	832253	6652	266788	21936	244852
13	129574	182271	5520	375610	109208	490338	594930	41636	636566	16363	129865	16241	113624
14	96791	136047	9650	22703	1163833	1196186		1488621	1488621	43695	248740	47024	201716
O.I.	6875303	11986036	4399395	68906416	11867726	85173537	108251276	5896218	114147494	5599456	23374501	3388639	19985862
A.I.	22431334	32445297	9688274	190819021	37078252	237585547	275468094	25698048	301166142	8838312	54742283	7175332	47566951

TABLE 3.11

Annual Survey of Industries, 1976-77

Malappuram

Sl. No.	Code No.	Name of industry	No. of units	Productive capital	Fixed capital	Working capital	Invested capital	Outstanding loans	Mandays worked	No. of workers	No. of employees	Wages to workers
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1	211	Manufacture of other edible oils	4	1095556	293407	802149	1139601	430162	10338	36	49	123028
2	270	Manufacture of plywood and their products	4	621433	377795	243638	456364	177027	13523	49	64	96555
3	271	Sawing and planing of wood	9	452849	341001	111848	480087	393650	36669	136	156	140636
4	973	Repair of motor vehicles and cycles	3	152872	184359	(-)-81487	192310	60325	11791	38	43	170917
		Other industries	22	24106645	14743232	9363413	27036901	17254807	326659	1066	2789	4681261
		All industries	42	26429355	15939794	10489561	29305263	18315971	398980	1325	3101	5212397

TABLE 3.11—(Contd.)

Sl. No.	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
	Total emolu- ments	Fuels consu- med	Materials consumed	Other input	Total input	Products and by-pro- ducts	Other output	Total output	Depreciation	Value added	Factor pay- ments	Net income
(1)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
1	167441	67570	21194313	677375	21939258	22550045	138496	22688541	30386	718897	80071	638326
2	150686	12161	708001	154294	874456	1249027	9706	1258733	33464	350813	12343	358470
3	176110	14810	932287	107384	1054481	1273942	66882	1340124	18966	266677	43213	223464
4	223129	17614	50484	164709	232807	77809	457087	534896	15382	286707	6749	279958
O. I.	7265475	2110394	25533724	1800189	2944307	50191405	185298	50376703	1033681	19898715	1227066	18671649
A. I.	7982841	2222549	48418809	403951	53545309	75342228	856769	8390997	1131879	21521809	1369442	20152367

TABLE 3.12

Annual Survey of Industries, 1976-77

Kozhikode

Sl. No.	Code No.	Name of industry	No. of units	Productive capital	Fixed capital	Working capital	Invested capital	Outstanding loans	Mandays worked	No. of workers	No. of employees	Wages to workers
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
				Rs.	Rs.	Rs.	Rs.	Rs.	No.	No.	No.	Rs.
1	204	Grain mill products	3	2025064	1849392	175672	2143978	825466	28008	108	145	354105
2	212	Tea processing	10	11008493	5693775	5314718	10708769	780214	194884	640	688	1711440
3	213	Coffee curing, roasting and grinding	4	1660640	1035589	625060	1198901	571217	51256	336	440	393903
4	219	Manufacture of food products not elsewhere classified	3	1350751	866835	483916	1495234	1166432	17572	60	86	148783
5	235	Weaving & finishing of cotton textiles on handlooms	13	4477175	712966	3764209	4338288	1808495	310713	1037	1177	2768244
6	265	Manufacture of rain coats and hats	5	1769051	46947	1722104	1296936	1609645	26637	100	166	250082
7	268	Manufacture of coir and coir products	9	2714460	1316986	1398374	2488743	777669	58767	267	667	484352
8	270	Manufacture of veneer, plywood and other products	13	4601814	2088982	2512832	5283844	1675025	127868	427	527	1068720
9	271	Sawing & planing of wood	105	6989274	4537053	2452221	5795049	2353046	447517	1737	2049	3589550
10	276	Manufacture of wooden furniture and fixtures	3	1420857	311884	1108973	583974	1027261	19075	65	81	273519
11	284	Printing & publishing of newspapers	4	13319472	4117607	9201865	7556699	6711396	139185	391	646	2668666
12	285	Printing and publishing of periodicals, books etc.	5	379568	160388	219180	324844	133545	23383	61	99	301351
13	289	Printing and publishing of allied articles	5	1061491	465518	595973	841422	660677	34136	112	134	437423
14	302	Manufacture of other rubber products	10	4668764	2471585	2197179	4401289	1301328	56330	182	206	470541
15	310	Manufacture of basic organic and inorganic chemicals	3	3550525	2498825	1051700	2901511	1381771	10336	37	54	127400
16	313	Manufacture of drugs and medicines	3	1324094	350558	973536	1311984	1858098	13244	43	99	106102
17	314	Manufacture of cement, lime and plastics	3	27729867	17023868	10705999	25632839	20786832	54702	176	302	1033601
18	320	Manufacture of structural clay products	18	8193960	3723841	4470119	9634361	4496749	793014	2568	2874	9119865
19	330	Iron and steel industries	3	18282899	30720713 (-)	12437814	39280837	41402151	116352	365	601	1482443
20	345	Manufacture of metal utensils, cutlery and kitchenware	4	2229265	345364	1883901	2842892	2349514	24769	93	112	311231
21	973	Repair of motor vehicles and cycles	16	2551262	1645946	905316	2487939	3000707	142101	424	508	2036121
		Other industries	50	141867487	124515270	17292217	145948157	967866	3293	3915	14233941	
		All industries	292	263176233	206558983	56617250	278498490	136200060	3657615	12522	15576	43371388

TABLE 3.12—(Contd.)

Kozhikode—(Contd.)

Sl. No.	Total emoluments (14)	Fuels etc. consumed (15)	Materials consumed (16)	Other input (17)	Total input (18)	Products and by-products (19)	Other output (20)	Total output (21)	Depre- ciation (22)	Value added (23)	Factor payment (24)	Net income (25)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	588103	214330	3106352	748148	4068830	3003676	2102132	5105808	252996	783982	176869	607113
2	2332498	3410397	41450834	1972987	46834218	68076725	..	68076725	710087	20532420	93950	20438470
3	569700	77465	28825	223050	329340	6728	1108974	1115702	91172	695190	93950	616819
4	285475	145744	3447515	753641	4346900	4704549	160431	4864980	75603	442477	300054	142423
5	3700152	198628	7292881	595260	8086769	14354714	179986	14534700	65577	6382354	200975	6181379
6	460144	27123	3152749	208880	3388752	3795099	(-) 13647	3781452	8812	383888	358513	125375
7	2419613	65406	873837	406157	1345400	2037202	226949	2264151	136404	782347	115518	666829
8	1604902	173078	5256349	950580	6380007	8589445	108918	8698363	198504	2119852	191888	1927964
9	4869629	591545	8656100	2490964	11738609	11956987	6556352	18513339	388363	6386367	397576	5988791
10	393242	24768	922543	75265	1022576	1371710	134529	1506239	21832	461831	7277	454554
11	5303667	308377	18973757	3867755	23149889	19624488	12757479	32381967	452906	8779172	1646771	7132401
12	424812	11348	380055	69419	460822	155578	1050611	1206189	17440	727929	40547	687380
13	524812	16956	975875	103229	1098060	394994	1551755	1946749	44843	805846	111813	694033
14	739350	315849	11277961	744831	12338641	19542067	41331	19583398	293373	6951384	105728	6845656
15	253506	474577	692575	180527	1347679	2268878	2560	2271438	470669	453090	141760	311330
16	351109	38740	975428	287528	1301696	1598727	(-) 43593	1555134	38517	214921	253992	(-) 39071
17	2436818	1332268	18885152	2699409	22916829	27710332	1476075	29186407	604176	5665402	1484995	4180407
18	11449031	4549721	3524649	1947915	10022285	26514965	175682	26690647	306238	16362124	1259516	15102608
19	3019478	3666270	12440040	2213434	18319744	25299911	7419481	32719392	1785813	12613835	4935093	7678742
20	327269	112148	3852531	251868	4216547	5108997	27542	5136539	32448	887544	368217	519327
21	2612923	222394	7032949	3349554	10604897	33023	14214911	14247934	143437	3499600	224977	3274623
	O.I. 18624223	23848337	202442962	11418867	237710166	261983808	7344495	269328303	5469182	26148955	2856452	23292503
	A.I. 63288149	39825469	355641919	35559268	431026656	508132603	56670139	564802742	11608392	122167694	15250852	106916842

TABLE 3.13

Annual Survey of Industries, 1976-77

Cannanore

Sl. No.	Code No.	Name of industry	(3)		(4)		(5)		(6)		(7)		(8)		(9)		(10)		(11)		(12)	
			No. of units	Rs.	Productive capital	Rs.	Fixed capital	Rs.	Working capital	Rs.	Invested capital	Rs.	Outstanding loans	Mandays worked	No.	Workers	No.	All employees	No.			
1	204	Grain mill products	3	85575	80746	4829	81626	66872	2370	16	22											
2	212	Tea processing	4	1583886	1172790	411096	1944372	..	34936	142	162											
3	214	Cashewnut processing	3	2144902	635360	1509542	2695299	1128042	283379	1226	1294											
4	231	Spinning and weaving of cotton textiles in mills	3	33532123	20625209	12926914	32610231	16915179	515431	1709	1925											
5	235	Spinning and weaving of cotton textiles on handlooms	79	18944467	6777901	12166566	19635707	9264500	871490	2924	3452											
6	236	Spinning and weaving of cotton textiles on powerlooms	14	2122637	1538494	584143	2121169	1167290	54948	190	229											
7	270	Manufacture of plywood, veneer and their products	9	31662148	14071079	17591069	34316239	16815880	340447	1151	1342											
8	271	Sawing and planing of wood	69	9439263	4151972	5287291	7804375	2036852	364816	1306	1567											
9	285	Printing and publishing of journals, periodicals and books	4	325622	58013	267609	145087	13715	13797	47	57											
10	320	Manufacture of structural clay products	4	2437272	976086	1461186	2406940	113084	148697	492	552											
11	323	Manufacture of chinaware and porcelainware	3	374634	213946	160688	290160	79101	11836	53	69											
12	341	Manufacture of structural metal products	5	393209	120923	272286	292464	225883	16363	54	64											
13	973	Repair of motor vehicles and cycles	5	340159	252935	87224	304378	25897	26395	78	87											
		Other industries	39	22582161	12602622	9979539	24635119	47665252	387294	1276	1632											
		All industries	244	125988058	63278076	62709982	129283066	95517547	3072199	10664	12454											

TABLE 3.13—(Contd.)

Sl. No.	(13)		(14)		(15)		(16)		(17)		(18)		(19)		(20)		(21)		(22)		(23)		(24)		(25)			
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
1	18510	30092	12143	881499	81899	975541	914015	72164	986179	6764	3874	3874	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2	422774	554551	552411	7758146	466158	8776715	11819569	2546	11822115	119955	2925445	119955	2925445	2925445	2925445	2925445	2925445	2925445	2925445	2925445	2925445	2925445	2925445	2925445	2925445	2925445	2925445	
3	2648438	3112969	53565	12219388	1692453	13965406	17299615	1329726	18629341	53699	4610236	53699	4610236	4610236	4610236	4610236	4610236	4610236	4610236	4610236	4610236	4610236	4610236	4610236	4610236	4610236	4610236	
4	8884238	10472398	1719743	36117939	2229726	40067408	49634341	1787383	51421724	2091994	9263222	2091994	9263222	9263222	9263222	9263222	9263222	9263222	9263222	9263222	9263222	9263222	9263222	9263222	9263222	9263222	9263222	
5	8478622	12094910	985866	93129573	16424423	110539862	129001667	6729078	135730745	696713	24494170	696713	24494170	24494170	24494170	24494170	24494170	24494170	24494170	24494170	24494170	24494170	24494170	24494170	24494170	24494170	24494170	
6	519460	668581	170597	1909877	630571	2711045	2976968	2123085	5100053	113016	2275992	113016	2275992	2275992	2275992	2275992	2275992	2275992	2275992	2275992	2275992	2275992	2275992	2275992	2275992	2275992	2275992	
7	5568400	7164062	2094819	33806716	3340742	39242277	58602153	1121716	59723869	2857423	17624169	2857423	17624169	17624169	17624169	17624169	17624169	17624169	17624169	17624169	17624169	17624169	17624169	17624169	17624169	17624169	17624169	
8	2739589	3804991	596448	8248953	2890764	11736165	12781589	5695169	18476758	520815	6219778	520815	6219778	6219778	6219778	6219778	6219778	6219778	6219778	6219778	6219778	6219778	6219778	6219778	6219778	6219778	6219778	
9	165126	240391	9835	496936	81141	587912	128610	883336	1011946	12224	411810	12224	411810	411810	411810	411810	411810	411810	411810	411810	411810	411810	411810	411810	411810	411810	411810	
10	1622789	2283200	922333	659545	582273	2164151	5496027	336216	5832243	175518	3492574	175518	3492574	3492574	3492574	3492574	3492574	3492574	3492574	3492574	3492574	3492574	3492574	3492574	3492574	3492574	3492574	
11	114016	175113	63665	62864	23843	150372	470790	2242	473012	16509	306131	16509	306131	306131	306131	306131	306131	306131	306131	306131	306131	306131	306131	306131	306131	306131	306131	
12	172938	221673	14904	717177	123460	855541	1106127	219649	1325776	14620	455615	14620	455615	455615	455615	455615	455615	455615	455615	455615	455615	455615	455615	455615	455615	455615	455615	
13	352514	403191	18804	99444	22052	140300	..	623360	623360	33300	449760	33300	449760	449760	449760	449760	449760	449760	449760	449760	449760	449760	449760	449760	449760	449760	449760	
	3672758	6697129	3964593	64839958	22061963	90866514	88287657	16249325	104536982	1614553	12055915	1614553	12055915	12055915	12055915	12055915	12055915	12055915	12055915	12055915	12055915	12055915	12055915	12055915	12055915	12055915	12055915	
O. I.	35380172	47923251	11179726	260948015	50651468	322779209	378519108	37174995	415694103	8326203	84588691	8326203	84588691	84588691	84588691	84588691	84588691	84588691	84588691	84588691	84588691	84588691	84588691	84588691	84588691	84588691	84588691	
A. I.	35380172	47923251	11179726	260948015	50651468	322779209	378519108	37174995	415694103	8326203	84588691	8326203	84588691	84588691	84588691	84588691	84588691	84588691	84588691	84588691	84588691	84588691	84588691	84588691	84588691	84588691	84588691	84588691

TABLE 3.14

Annual Survey of Industries, 1976-77
(Selected Economic Indicators by Districts)

All Industries excluding Electricity

(1) District	(2) No. of factories per 100 Sq. km.	(3) No. of factories per lakh popu- lation	(4) Fixed capital per employee		(5) Per capita		(6) Factory employ- ment		(9) Emolu- ments per emplo- yee.	(10) Output		(11) Value added	
			Rs.	No.	Rs.	Rs.	Per lakh popu- lation	Per 100 Sq. km. of area		Per employee	Per capita	Rs.	Rs.	Per employee	Per capita
Trivandrum	4.1	3.6	8905	523	46.57	94.78	580	4755	30079	157.29	7671	40.03	
Quilon	8.3	14.5	1403	3984	55.87	119.45	2281	1624	11706	466.38	2622	104.50	
Alleppey	7.2	5.9	10393	507	52.73	82.28	612	3831	48591	246.53	6847	34.74	
Kottayam	5.2	7.0	11053	347	38.34	63.66	260	5192	69578	241.39	12298	42.67	
Idukki	1.8	10.5	7927	517	40.97	71.76	88	3112	84326	435.87	31258	161.57	
Ernakulam	13.3	13.3	64193	1242	797.01	1116.14	1258	9284	162400	2016.36	19247	238.98	
Trichur	10.4	12.9	6067	664	40.27	79.35	532	4561	31698	230.4	8019	53.23	
Palghat	4.4	10.4	10506	495	51.95	85.94	207	3556	33066	163.52	6005	29.70	
Malappuram	1.2	2.0	5127	166	7.51	12.47	85	2579	24573	35.99	6933	10.16	
Kozhikode	7.8	12.2	13264	652	86.44	110.13	418	4063	36261	236.32	7845	51.13	
Cannanore	4.3	9.1	5083	464	23.56	46.89	218	3846	33378	154.71	6792	31.49	
State	5.7	9.3	12729	953	121.28	193.52	582	3636	43005	409.75	73.0	69.55	

APPENDIX

TABLE 1

Annual Survey of Industries, 1976-77

(Rs. in lakhs)

Sl. No.	Code No.	Name of industry	No. of units	Productive capital	Invested capital	Fixed capital	Working capital	Total loans outstanding
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
				Rs.	Rs.	Rs.	Rs.	Rs.
1	40	Generation and transmission of electricity	7	28776.77	27762.97	25507.60	3269.17	27281.09
2	202	Fruits and vegetables	11	60.24	89.76	28.12	32.12	58.75
3	203	Canning and processing of fish	48	554.60	595.85	351.71	202.89	1261.32
4	204.1	Flour milling (by power machine)	6	30.36	27.61	21.80	8.56	10.66
5	204.2	Rice milling (by power machine)	47	47.77	43.84	30.06	17.71	6.71
6	206	Manufacture and refining of sugar	3	170.00	284.99	189.68	(-) 19.68	263.35
7	211	Manufacture of other edible oils and fats	41	153.94	203.14	66.39	87.55	110.43
8	212	Tea processing	97	750.05	747.47	425.38	324.67	19.58
9	213	Coffee curing, roasting and grinding	5	33.33	23.42	17.41	15.92	5.71
10	214	Cashewnut processing	253	942.53	1345.73	204.58	737.95	897.72
11	217	Manufacture of starch	6	252.58	213.09	84.18	168.40	182.37
12	219.9	Manufacture of food products (others)	9	109.57	124.79	33.12	76.45	48.44
13	226	Manufacture of beedi	5	1.99	0.55	0.19	1.80	
14	231	Cotton spinning, weaving, shrinking etc.	21	1608.10	1929.69	1035.00	573.10	1309.76
15	235	Weaving and finishing of textiles (handlooms)	95	243.04	246.46	76.09	166.95	113.42
16	236	Weaving and finishing of textiles (powerlooms)	14	21.23	21.21	15.39	5.84	11.67
17	247	Spinning, weaving and finishing of other textiles	3	676.67	804.65	368.99	307.68	264.88
18	260	Knitting mills	4	45.76	27.98	13.36	32.40	21.12
19	265.1	Manufacture of umbrellas	10	33.63	26.88	4.30	29.33	18.65
20	268	Do. coir and coir products	61	406.16	378.27	123.47	282.69	246.76
21	270	Do. veneer, plywood and other products	41	633.65	702.25	352.31	281.34	367.54
22	270.1	Do. plywood and veneers	5	2.08	1.86	0.75	1.33	0.33
23	270.9	Do. plywood products	3	4.60	4.60	3.14	1.46	0.74
24	271	Sawing and planing of wood	383	345.16	295.80	171.72	173.44	122.65
25	272	Cane and bamboo works	8	11.23	16.25	6.49	4.74	10.26
26	273	Manufacture of structural wooden goods	3	3.78	3.51	1.42	2.36	
27	274	Do. wooden industrial goods	7	10.12	11.47	7.23	2.89	4.84
28	276	Do. wooden furniture and fixtures	17	88.02	85.06	25.73	62.29	24.92
29	280.5	Do. paper and paper boards	4	2.70	14.90	6.35	(-) 3.65	6.86
30	281	Do. containers and boxes of paper	11	66.72	58.10	31.46	35.26	38.03
31	284	Printing and publishing of newspapers	15	345.48	317.81	149.37	196.11	251.73
32	285	Do. books and journals	64	740.96	665.53	189.64	551.32	42.83
33	289	Do. allied activities not elsewhere classified	30	214.45	204.24	115.74	98.71	41.86
34	300	Tyre and tube industries	13	1161.01	994.88	441.79	719.22	548.18
35	302.7	Manufacture of rubber sheets	4	9.77	9.44	1.16	8.61	
36	302.9	Do. rubber products (others)	90	615.25	754.18	377.41	267.84	360.16
37	303	Do. plastic and plastic products	4	12.22	12.79	8.96	3.26	9.91

TABLE 1—(Contd.)

Sl. No.	Total number of persons employed	Total number of workers	Total emolu-ments	Wages to workers	Fuels, electricals and lubricants consumed	Materials consumed	Total output	Total input	Depreciation	Value added by manufacture	Factor payments	Net income
(1)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
	No.	No.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	29831	20206	1659.89	786.37	23.99	113.71	4174.75	643.66	550.81	2980.28	165.32	2814.96
2	539	367	11.47	6.58	2.34	168.98	204.12	188.24	2.24	13.64	14.75	(-) 1.11
3	2354	1484	91.84	41.53	52.75	2289.50	2964.59	2597.66	45.85	321.08	84.35	236.73
4	287	210	10.15	5.59	3.84	76.19	129.24	107.77	2.93	18.54	4.74	13.80
5	2175	480	11.41	8.77	6.50	489.17	576.58	559.84	2.18	14.56	1.31	13.25
6	3236	1859	70.78	38.20	15.96	165.65	231.53	232.92	14.03	(-) 15.42	28.94	(-) 44.36
7	832	590	27.65	17.25	8.93	2170.17	2489.48	2404.56	7.80	77.12	16.97	60.15
8	5052	4515	157.08	101.43	215.39	2594.61	4709.03	2953.99	45.19	1709.85	4.11	1705.74
9	560	437	8.97	5.61	0.90	1.72	15.86	6.77	1.41	7.68	0.78	6.90
10	107192	99970	1346.00	1050.71	37.87	4812.56	7757.05	5724.76	24.07	2008.22	142.52	1865.70
11	567	423	27.97	18.06	25.48	307.50	455.27	373.17	6.33	75.77	37.99	37.78
12	211	147	8.60	4.55	5.69	403.57	471.33	450.87	3.76	16.70	7.64	9.06
13	179	161	3.13	2.45	0.20	11.12	41.05	29.19	0.02	11.84	0.19	11.65
14	9335	4866	546.08	451.81	116.12	2771.48	4279.53	3520.44	95.21	663.88	157.34	507.54
15	4909	4226	162.48	115.85	12.01	1013.20	1519.76	1195.59	7.72	316.45	18.83	297.62
16	229	190	6.69	5.19	1.71	19.10	38.67	27.11	1.13	10.43	0.59	9.84
17	2097	1668	202.76	137.27	183.57	773.78	1414.88	1084.47	60.12	270.29	74.81	195.48
18	455	352	12.56	6.95	2.40	51.00	78.70	58.72	1.48	18.50	3.15	15.35
19	216	132	5.66	3.21	0.53	47.24	111.60	102.98	0.39	8.23	4.16	4.07
20	3334	2283	115.62	73.86	8.77	1078.38	1519.71	1171.03	9.21	339.47	30.90	308.57
21	3271	2635	150.87	107.10	44.91	574.06	1037.91	705.32	42.88	289.71	54.07	235.64
22	124	110	3.15	2.30	0.11	15.58	19.18	17.06	0.10	2.02	0.34	1.68
23	50	44	1.38	1.09	0.09	5.65	8.34	6.59	0.21	1.54	0.10	1.44
24	8608	7424	170.50	130.02	21.78	676.57	1100.71	825.84	16.73	258.14	20.12	238.02
25	150	97	3.75	2.41	0.40	33.00	54.06	44.02	0.34	9.70	1.96	7.74
26	95	64	5.66	3.35	0.04	28.23	34.34	29.76	0.09	4.49	..	4.49
27	114	88	2.38	1.63	0.28	16.44	25.25	19.91	0.49	4.94	0.85	4.09
28	839	664	42.42	28.34	2.18	74.32	141.88	88.52	1.95	51.41	1.44	49.97
29	87	66	2.47	1.59	0.55	19.20	27.14	22.92	0.62	3.60	1.11	2.49
30	239	165	8.42	4.20	2.01	134.41	184.85	151.74	3.18	29.93	6.40	23.53
31	1878	1088	151.60	67.00	7.78	684.69	1035.97	803.28	15.30	217.39	44.02	173.37
32	2822	2342	155.65	122.51	4.37	116.56	357.16	141.98	13.20	201.98	5.90	196.08
33	1044	848	47.78	32.38	3.51	147.71	254.27	179.76	9.54	64.97	5.56	58.41
34	1215	830	186.07	93.68	70.62	1361.27	2035.66	1546.84	39.66	449.16	67.46	381.70
35	68	57	1.97	1.40	0.74	21.78	35.91	23.10	0.12	12.69	..	12.69
36	4016	3134	154.30	97.06	69.34	2325.81	3109.16	2548.82	50.82	509.52	50.18	459.34
37	48	39	1.35	0.93	0.32	11.44	18.42	14.57	0.73	3.12	0.87	2.25

TABLE 1—(Contd.)

Sl. No.	Code No.	Name of industry	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			No. of units	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
38	310.1	Manufacture of heavy organic chemicals	20	3346.97	3504.83	2484.27	862.70	2283.53			
39	311.3	Do.	11	64.22	64.24	7.46	56.76	5.98			
40	311.5	Do.	3	4.87	7.87	3.09	1.78	4.63			
41	313.1	pesticides formulations	14	204.15	207.46	89.05	115.10	189.46			
42	313.2	allopathic medicine	17	191.42	200.12	69.28	122.14	42.50			
43	314.8	ayurvedic medicine	6	806.29	1023.62	330.44	475.85	664.22			
44	316.2	soaps, soap powder, glycerine and detergents	4	77.39	73.78	25.20	52.19	52.45			
45	317	synthetic resin.	8	2.51	3.41	0.82	1.69	0.29			
46	320.4	matches	206	465.84	484.81	243.30	222.54	210.88			
47	320.9	tiles and bricks	3	4.87	4.86	3.66	1.22	0.14			
48	323.1	other structural clay products	5	8.37	8.14	3.86	4.51	1.85			
49	329.1	chinaware	3	75.97	50.25	19.80	56.17	28.19			
50	330.1	home pipes	9	285.59	533.68	432.48	146.89	517.33			
51	331.1	iron and steel	9	24.61	23.63	12.21	12.40	12.22			
52	331.9	steel castings and forgings	4	298.13	322.42	128.52	169.61	251.70			
53	340.3	materials by casting and forging of iron and steel	27	255.81	239.71	95.12	160.69	59.07			
54	340.9	drums, tanks and metal containers not elsewhere classified	3	16.38	15.36	3.66	12.72	8.80			
55	341	other fabricated products	22	70.62	59.78	32.61	38.01	49.17			
56	342	structural metal products	3	10.84	12.79	6.72	4.12	5.08			
57	343.5	furniture and fixtures primarily by metal	6	42.17	50.42	18.64	23.53	47.45			
58	343.9	hand tools and implements	14	42.31	34.59	23.02	19.29	36.46			
59	345	General hardware etc.	19	110.01	107.30	27.82	82.19	76.58			
60	349	Manufacture of metal utensils, cutlery and kitchenware	3	5.15	7.77	6.21	(-) 1.06	6.41			
61	354.9	metal products except machinery and transport equipments not elsewhere classified	10	24.60	28.08	13.01	11.59	20.44			
62	357	other industrial machinery	7	41.37	34.71	15.13	26.24	29.74			
63	358.6	machine tools, parts and accessories	4	4.94	2.93	1.37	3.57	30.36			
64	359.9	weighing machines	11	53.79	59.85	37.56	16.23	30.36			
65	360.2	other accessories including general jobbing engineering transformers	3	1135.02	1148.12	475.91	659.11	435.81			
66	360.9	parts, accessories and others	3	4.02	4.55	3.15	0.87	3.10			
67	361	insulated wires and cables	4	480.94	450.43	174.71	306.23	450.82			
68	370.1	Making of ships and other vessels drawn by power	9	7452.11	7501.96	6032.88	1419.23	6079.66			
69	370.2	Boat building	13	48.83	135.45	24.95	23.38	44.99			
70	376	Manufacture of bicycle, cycle-rikshaws and parts	4	28.36	28.04	14.76	13.60	21.55			
71	387.2	Do.	3	5.21	5.94	2.42	2.79	2.73			
72	389.6	hair brushes, dusters, feather articles and wigs	4	2.00	1.86	0.78	1.22	0.73			
73	972	Electrical repair shops	5	7.54	6.85	5.42	2.12	1.11			
74	973	Repair of motor vehicles and motor cycles	79	164.11	168.89	134.08	30.03	16.72			
75	973	Other industries	196	17284.69	21048.82	12806.40	4448.28	4804.65			
		All Industries	2222	72337.54	76718.35	54297.26	18040.28	50460.03			

TABLE I—(Contd.)

SI No.	Total number of persons employed	Total number of workers	Total emolu-ments	Wages to workers	Fuels, electricals and lubricants consumed	Materials consumed	Total output	Total input	Depreciation	Value added by manufacture	Factor payments	Net income
(1)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
	No.	No.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
38	3084	2138	405.54	228.14	465.51	1253.79	3158.90	2012.82	425.17	720.91	238.65	482.26
39	328	252	15.71	9.15	0.22	654.42	839.19	716.64	0.56	122.00	1.32	120.68
40	52	36	2.27	1.52	0.23	4.61	7.68	6.53	0.33	0.82	0.63	0.19
41	602	384	32.51	16.44	5.34	186.96	308.96	235.36	7.86	65.74	22.56	43.18
42	901	641	71.23	33.03	21.35	223.11	540.25	301.90	5.65	232.70	5.02	227.68
43	1241	872	136.61	78.11	100.65	1614.78	2448.38	1838.13	27.66	582.59	96.20	486.39
44	77	61	3.47	2.09	7.61	7.61	171.64	151.05	4.28	16.31	6.65	9.66
45	217	202	2.08	1.62	0.14	2.37	12.16	9.16	0.05	2.95	0.16	2.79
46	10941	9807	370.42	292.87	207.05	153.75	963.89	425.43	21.26	517.20	31.19	486.01
47	79	70	4.02	2.00	1.09	6.63	45.55	16.49	0.25	28.81	0.16	28.75
48	158	127	4.95	3.31	2.42	2.06	12.20	5.18	0.34	6.68	0.09	6.59
49	372	274	23.15	15.42	4.87	24.26	58.33	32.95	0.82	24.56	2.03	22.53
50	994	652	38.07	19.47	47.20	203.58	451.13	303.30	21.57	126.26	67.37	58.89
51	212	166	9.64	6.49	2.88	28.06	52.03	36.90	1.28	13.85	1.65	12.20
52	566	363	60.04	27.98	30.19	380.40	555.82	442.74	6.98	106.10	31.29	74.81
53	755	561	33.80	20.15	4.37	219.88	523.75	438.10	6.44	79.21	13.83	65.38
54	51	40	2.61	1.85	1.62	46.69	50.03	51.96	0.29	(-) 2.22	0.51	(-) 2.73
55	425	326	16.88	11.86	7.84	146.27	204.82	171.40	3.52	29.90	6.38	23.52
56	80	63	1.98	1.39	0.20	6.17	10.12	7.56	0.49	2.07	0.75	1.32
57	693	573	33.65	23.44	16.51	72.96	166.57	105.61	2.64	58.32	8.20	50.12
58	337	272	13.83	9.29	1.90	32.25	63.83	39.03	1.83	22.97	4.52	18.45
59	460	354	16.69	11.69	29.04	124.41	199.17	159.29	2.78	37.10	9.32	27.78
60	80	62	2.97	2.14	1.07	4.98	11.05	6.95	0.55	3.55	0.28	3.27
61	237	176	10.58	7.37	1.66	19.65	49.09	27.82	1.24	20.03	1.98	18.05
62	200	139	8.15	4.59	1.77	60.83	104.73	81.31	1.51	21.91	4.00	17.91
63	34	25	3.84	1.96	0.27	0.68	11.57	2.80	0.15	8.62	0.24	8.38
64	542	309	21.08	14.13	2.20	13.36	49.74	21.93	3.54	24.27	3.85	20.42
65	1155	778	115.56	66.83	15.28	668.81	1291.58	788.83	52.14	450.61	70.13	380.48
66	41	32	1.20	0.72	0.18	1.77	5.43	2.71	0.28	2.44	0.58	1.86
67	799	422	88.99	32.27	20.16	1052.74	1361.36	1130.25	20.90	210.21	45.82	164.39
68	1707	830	184.00	67.10	22.98	575.63	2543.66	2231.63	127.90	184.13	168.60	15.53
69	591	457	27.46	20.73	2.22	47.21	93.53	59.03	2.05	32.45	6.33	26.12
70	119	92	5.37	3.94	0.57	48.19	71.79	54.90	0.74	16.15	2.09	14.06
71	51	35	1.31	0.76	0.33	6.36	10.68	7.62	0.26	2.80	0.45	2.35
72	103	88	1.82	1.30	0.06	3.76	6.37	4.90	0.17	1.30	0.16	1.14
73	76	61	3.97	2.78	0.27	4.34	10.95	5.33	0.64	4.98	0.13	4.85
74	3354	2877	241.95	189.95	54.20	508.39	1173.32	718.27	13.86	441.19	5.55	435.64
75	26023	19752	2287.72	1340.28	2034.93	30983.14	40640.37	34875.39	1476.47	4288.51	1183.10	3105.41
A. I	255995	212231	9884.63	6152.39	4070.36	64999.21	100942.56	78130.97	3322.20	19489.39	3102.44	16386.95

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