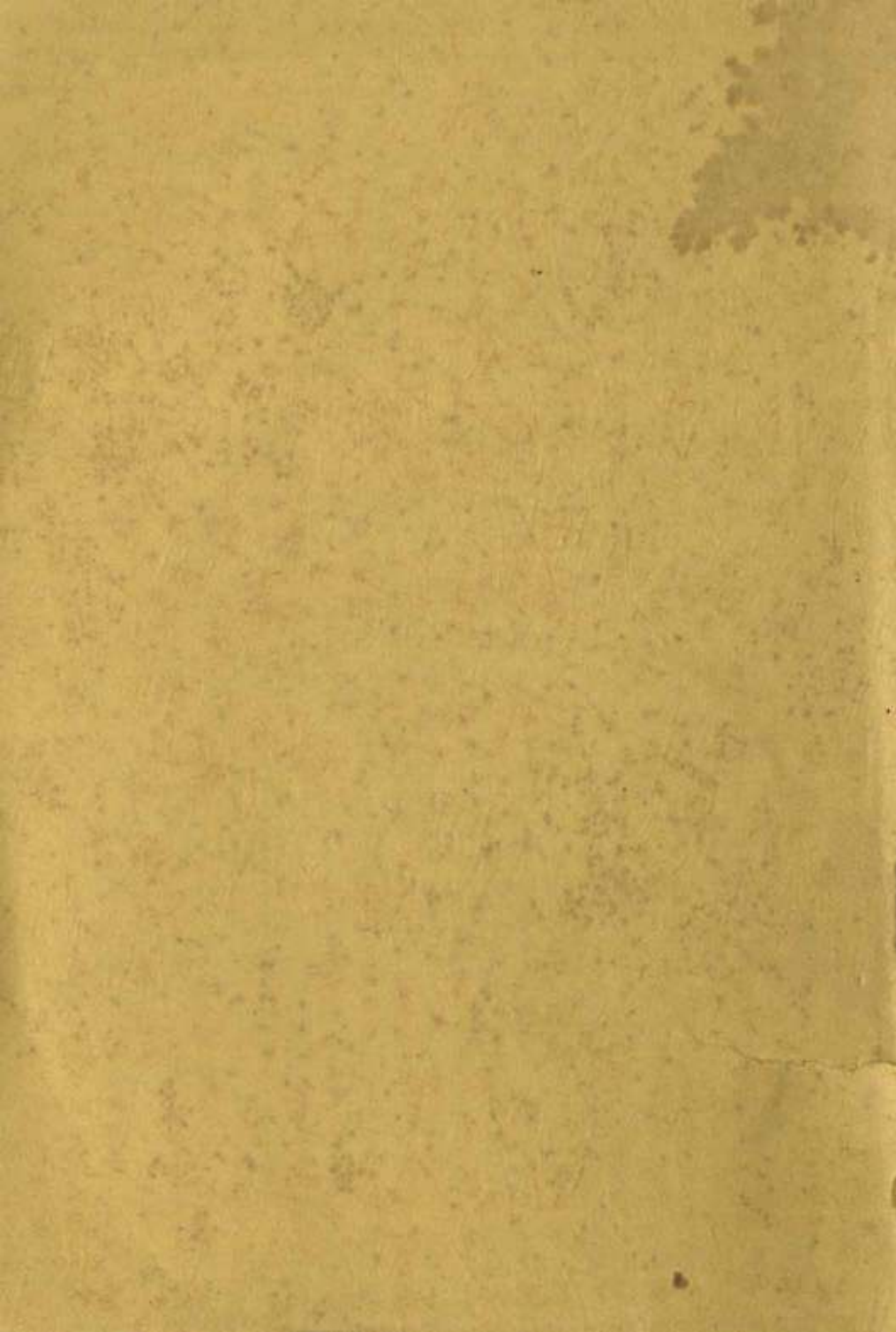




GOVERNMENT OF KERALA

ANNUAL SURVEY OF INDUSTRIES  
KERALA STATE  
1973-'74

INDUSTRIAL STATISTICS UNIT  
BUREAU OF ECONOMICS AND STATISTICS  
TRIVANDRUM  
OCTOBER 1977



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## P R E F A C E

This report on the Annual Survey of Industries 1973-'74 the 9th publication in the series gives a broad picture of the pattern and growth of industries in Kerala under factory sector and the principal results of the study have been presented under four sections. The first section deals with the registered industries in the State under factory sector. The second section high lights the scale of industrial development of the districts. The third section presents a few industry-wise economic indicators. The fourth section gives the major industrial characteristics in the form of district-wise summary tables.

The compilation and tabulation of data have been done by a team of officers consisting of Sri. A. Sivaramakrishnan Nair ( Research Assistant ), K. Thulasidharan, G. Ramachandran Asari, S. Ushakumari and B. Ponnammal (Compilers) of the Industrial Statistics Unit.

The report has been prepared by Sri. P. R. Krishna Pillai (Research Officer) and it has been edited by G. Surendranathan Nair, Assistant Director and Sri. N. George John, Deputy Director of the Bureau.

I take this opportunity to thank all the proprietors of the industrial establishments who willingly co-operated with us in this venture and supplied the required information.

TRIVANDRUM.

Dr. P. A. NAIR,

ADDITIONAL DIRECTOR-IN-CHARGE.



REPORT ON THE ANNUAL SURVEY OF INDUSTRIES  
KERALA STATE, 1973—1974

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# ANNUAL SURVEY OF INDUSTRIES 1973—74

## SECTION I

### INDUSTRIES IN KERALA

#### Factory Sector

Annual Survey of Industries 1973-74 covered all industries in the State. It was designed to obtain comprehensive data on the functioning of the registered factory sector in Kerala. The survey had two parts (1) the census part (2) the sample part. The results of the study given in the report relate to the entire registered factory sector. The census part aggregates have been added to the estimated totals of the non-census part.

There were 2608 factories registered in Kerala during 1973-74. Of these 964 factories came under census part of the factory sector and the remaining 1644 factories under the sample part.

The details of industries having less than three factories, either in each of the district or in the State as a whole had been combined and given under "other industries", so as to avoid the possibility of revealing any information pertaining to a single factory.

An increase of 11% had been recorded in 1973 over 1971 and 46.6% over 1962 in the number of registered factories.

Out of 2608 factories registered, only 2373 factories had reported in 1973-74. These factories had utilised a fixed capital of Rs. 404 crores producing Rs. 522.14 crores worth of output. They had generated a total Rs. 133.66 crores of value added by manufacture. These factories as a whole had given employment to 239297 persons paying Rs. 72.28 crores as total emoluments.

The survey covered all factories in the State, registered under sections 2m (i) and 2m (ii) of the Indian Factories Act i.e. all factories employing 10 or more workers using power and those employing 20 or more workers are not using power. The survey had two parts—the census part and sample part. The census part covered all factories employing 50 or more workers using power and those employing 100 or more workers not using power. The remaining factories viz. those employing 10 to 49 workers using power and those employing 20 to 99 workers not using power were covered in the sample part.

#### Reference Period :

The reference period for the annual survey of Industries 1973-74 was 1st April 1973 to March 31st 1974. The data were collected in respect of the factories which closed their accounts on any day during the above mentioned period.

#### Concepts and Definitions :

The following concepts and definitions were adopted for the survey.

(1) *Registered Factories* :—This refers to factories registered under section 2m (i) and 2m (ii) of the Factories Act.

(2) *Fixed Capital*.—Fixed capital comprises all fixed assets, new and used, of the factory that have a normal economic life of more than one year. This includes land, improvements to land and other constructions, buildings, plant and machinery, transport equipments, tools furniture etc.

(3) *Working Capital*.—Working capital consists of stock as at the end of the accounting year of the materials, stores, fuels etc., semifinished products, products and byproducts, cash in hand and at bank etc. It includes fixed deposits as well as long term loans and investments. It includes the algebraic sum of sundry creditors as represented by (a) outstanding payments like rent, wages, interest and dividend, short term loans and advances (b) Purchase of goods and services (c) Short term loans and sundry debtors, comprising amount due to the factory on account of the sales of goods and services etc.

(4) *Invested Capital*.—Invested capital is the total of fixed capital and physical working capital comprising stocks of materials, stores, fuels etc. semifinished goods and finished products and byproducts as at the end of the accounting year.

(5) *Productive Capital*.—Productive capital is the sum of fixed and working capitals.

(6) *Outstanding Loans*.—This item represents all loans whether short term and long term remaining outstanding at the close of the accounting years.

(7) *Workers*.—The term worker has the same sense as in the Indian Factories Act 1948 and excludes persons holding position of supervision and management. It includes apprentices as well as persons employed through contractors.

(8) *All employees*.—This term includes both workers and other persons engaged by the factory in work connected directly or indirectly in the manufacturing process.

(9) *Wages to workers*.—All remunerations, capable of being expressed in terms of money paid to workers regularly for each pay period and in terms of contract employment constitute wages.

(10) *Total emoluments*.—Besides salaries and wages paid during the year, this term includes all bonus and overtime payments made in the reference year. It also includes value of payments in kind. Factory expenses in the shape of employers contribution to provident fund, pension, gratuity etc. are however excluded.

(11) *Total input*.—This represents the value of materials, fuels etc. consumed during the reference year.

(12) *Total output*.—This represents the total value of products, work done to customers and net balance of semifinished goods at the beginning and end of the accounting year.

(13) *Depreciation*.—It is taken as provided for the reference year by the factory or estimated on the basis of the cost of installation and working life of the fixed assets calculated in terms of the number of years.

(14) *Value added by manufacture (net-output)*.—This represents that value of the product that is created in the factory and is computed by deducting the value of material input and depreciation from the value of total output.

### Industrial Characteristics

The growth of registered industries in the factory sector is given in Table I. Table II gives the distribution of registered factories and the census sector.

As already stated, there was an overall increase of 46.6% in the number of registered factories during the period from 1962 to '73. Chashewnut processing and sawing and planing of wood factories account for 295 and 373 of them respectively. Other important industries are tea processing, weaving and finishing of cotton, coir and coir products, manufacture of rubber products.

TABLE 1  
Number of Registered Factories

Year	No. of Factories	% increase over the previous year	% increase over 1962
1962	1779	..	..
1963	1853	+4.2	+4.2
1964	1906	+2.9	+7.1
1965	2016	+5.9	+13.0
1966	2079	+3.4	+16.9
1967	2132	+2.6	+19.8
1968	2211	+3.7	+24.3
1969	2287	+3.4	+28.6
1970	2342	+2.4	+31.6
1971	2352	+0.4	+32.2
1973	2608	+10.9	+46.6

TABLE 2  
Distribution of Factories

Sl. No.	Code No.	Name of Industry	No. of Factories	
			Registered	Census Sector
(1)	(2)	(3)	(4)	(5)
1	40	Electricity	8	8
2	200	Slaughtering and preparation of meat	2	..
3	201	Manufacture of dairy products	3	1
4	202	Canning of fruits and vegetables	9	6
5	203	Canning and processing of fish and similar foods	52	30
6	204	Grain Mill products	82	4
7	205	Manufacture of Bakery products	4	2
8	206	Manufacture and Refining of sugar	3	3

(1)	(2)	(3)	(4)	(5)
9	209	Manufacture of Cocoa and Confectionary	1	..
10	210	Manufacture of Hydrogenated oils	1	1
11	211	"    other edible oils	67	4
12	212	Tea processing	121	79
13	213	Coffee Curing, Roasting and Grinding	7	7
14	214	Cashewnut processing	295	233
15	215	Manufacture of ice	5	..
16	216	Manufacture of prepared animal feeds	2	2
17	217	"    of starch	4	3
18	219	Manufacture of food products—others	5	1
19	220	Distilling and rectifying of spirits	1	..
20	222	Malt, liquors and malt	2	2
21	223	Production of country liquor and toddy	1	1
22	224	Soft drinks and carbonated water	1	1
23	226	Manufacture of Beedi	16	1
24	227	Manufacture of cigars and cigarettes	5	..
25	229	Manufacture of Tobacco products—others	1	1
26	230	Cotton Ginning and cleaning	1	..
27	231	Cotton Spinning and weaving—in mills	26	24
28	232	Cotton Printing and Dyeing	13	2
29	235	Weaving and Finishing of cotton—handlooms	172	22
30	236	Weaving and Finishing of cotton—power looms	15	4
31	239	Cotton Textiles—others	1	..
32	247	Spinning and weaving Rayons and Nylons	3	3
33	260	Knitting mills	5	4
34	261	Manufacture of ropes, twine and nets	1	1
35	262	Embroidery making	2	..
36	265	Manufacture of rain coats and hats	15	1
37	268	Manufacture of coir and coir products	93	28
38	270	Manufacture of Veneer and plywood	41	28
39	271	Sawing and planing of wood	373	90
40	272	Manufacture of wooden and cane boxes	15	..
41	273	Manufacture of wooden doors and windows	14	..
42	274	Manufacture of wooden bobbins and blocks	9	1
43	276	Manufacture of wooden furniture and fixtures	22	6
44	279	Manufacture of Bamboo and cane products—others	4	..
45	280	Manufacture of paper and paper board	9	3
46	281	Manufacture of container and boxes of paper	6	3
47	283	Manufacture of paper and paper board—others	1	..
48	284	Printing and Publishing of Newspaper	20	15
49	285	Printing and Publishing of Books and Journals	46	7

(1)	(2)	(3)	(4)	(5)
50	288	Book Bindings	2	1
51	289	Printing of picture and post card	64	9
52	290	Tanning and curing of leather	2	..
53	300	Tyre and tube industries	16	6
54	301	Manufacture of footwear and moulded rubber	3	..
55	302	Manufacture of Rubber products—others	100	29
56	303	Manufacture of Plastic products—others	3	..
57	304	Petroleum refineries	1	1
58	310	Manufacture of Organic and Inorganic chemicals	19	8
59	311	Manufacture of Fertilizers and pesticides	21	11
60	313	Manufacture of Drugs and Medicines	34	7
61	314	Manufacture of Perfumes and lotions	5	3
62	315	Manufacture of Inedible oils	1	..
63	316	Manufacture of Turpentine	6	2
64	317	Manufacture of Matches	13	2
65	318	Manufacture of Ammunition and fire works	3	..
66	319	Manufacture of Chemical products—others	2	1
67	320	Manufacture of Structural clay products	250	120
68	321	Manufacture of Glass and Glass products	2	2
69	322	Manufacture of earthenware and pottery	2	..
70	323	Manufacture of Chinaware and porcelain ware	5	2
71	324	Manufacture of cement	3	2
72	326	Manufacture of structural stone goods	1	1
73	329	Manufacture of non-metallic mineral products	7	1
74	330	Iron and Steel Industries	6	4
75	331	Foundries for casting and forging Iron	19	9
76	333	Copper manufacturing	1	..
77	335	Aluminium manufacturing	3	2
78	336	Zinc Manufacturing	4	1
79	339	Other non-ferrous metal Industries	1	..
80	340	Manufacture of Metal Cans and Tin Plates	50	6
81	341	Manufacture of structural metal products	24	2
82	342	„ furniture and fixtures metal	3	1
83	343	Manufacture of Handtools and general hardware	24	7
84	344	Plating and polishing of metal products	1	1
85	345	Manufacture of metal utensils and cutlery	10	4
86	349	Manufacture of Transport equipment—others	2	..
87	350	Manufacture of Agricultural machinery and parts	8	6
88	352	Manufacture of Boilers and steam plants	1	..
89	353	Industrial Machinery for food and textiles	12	3
90	354	Industrial machinery for other than food and textiles	17	2

(1)	(2)	(3)	(4)	(5)
91	356	Manufacture of non-electrical machinery—others	8	..
92	357	Manufacture of Machine tools	7	3
93	359	Manufacture of Sewing machines	20	5
94	360	Manufacture of electrical apparatus and parts	31	11
95	361	Manufacture of Insulated wires and cables	5	3
96	362	Manufacture of Dry and Wet Batteries	1	1
97	363	Manufacture of electrical bulbs, tubes and lamps	2	1
98	366	Manufacture of electronic computers	1	1
99	367	Manufacture of electronic components	1	1
100	369	Manufacture of electric machinery—others	3	2
101	370	Ship building and repairing	20	12
102	374	Manufacture of Motor Vehicles and parts	1	..
103	375	Manufacture of Motor Cycles and Scooters	1	..
104	376	Manufacture of Bicycles and cycle rikshaws	8	2
105	378	Manufacture of bullock carts and hand carts	1	..
106	379	Manufacture of transport equipment—others	1	..
107	380	Manufacture of Medical and Surgical equipments	5	3
108	382	Manufacture of watches and clocks	1	1
109	386	Manufacture of Musical Instruments	1	..
110	387	Manufacture of pen and pencils	3	..
111	389	Manufacture of Brooms, brushes and Ivory goods	4	1
112	420	Water works and supply	1	..
113	972	Electrical Repair Shops	1	..
114	973	Repair of Motor Vehicles	116	29
115	979	Repair of enterprises—others	5	..
Total			2608	964

### 2.3. Fixed Capital Investment:

It is estimated that the fixed capital investment in the reported factories (Census and Samples) was Rs. 404 crores during the year 1973-74. Nearly 50% of the investment was concentrated in the Industry 'Electricity'. The list of industries having a fixed capital of Rs. 100 lakhs and above during the year is given in Table 3.

In this table industries are arranged in descending order of fixed capital investment.



TABLE 3  
Arrangement of Industries According to Fixed Capital

Sl. No.	Code No.	Name of Industry	Fixed Capital (Rs. in lakhs)
1	40	Electricity	19833.28
2	311	Manufacture of Fertilizers and Pesticides	7716.61
3	310	Manufacture of Organic and Inorganic chemicals	1573.94
4	231	Cotton Spinning and Weaving-in Mills	903.91
5	280	Manufacture of paper and paper board	638.04
6	357	Manufacture of Machine tools	602.41
7	212	Tea Processing	441.03
8	203	Canning and processing of fish and similar foods	352.69
9	360	Manufacture of electrical generators and transformers	350.31
10	336	Zinc Manufacturing	349.40
11	361	Manufacture of Insulated wires and cables	340.42
12	302	Manufacture of Rubber products—others	336.99
13	335	Aluminium Manufacturing	327.33
14	320	Manufacture of structural clay products	276.55
15	270	Manufacture of Veneer and Plywood	217.48
16	300	Type and Tubes Industries	186.12
17	340	Manufacture of Metal Cans and Tine Plate	164.13
18	214	Cashewnut processing	162.96
19	323	Manufacture of Chinaware and porcelainware	154.55
20	284	Printing and Publishing of News papers	154.24
21	331	Casting and forging of Iron and steel	147.31
22	316	Manufacture of Turpentine	140.99
23	271	Sawing and Planning of wood	136.37
24	285	Printing and Publishing of books and Journals	135.59
25	973	Repair of Motor Vehicles	130.79
26	206	Manufacture and refining of sugar	126.24
27	314	Manufacture of perfumes and Lotions	123.22
28	201	Manufacture of Dairy products	114.34
29		Other Industries	6934.95
State Total			40372.19

#### 2.4 Working Capital

The registered factories reported during 1973-74 had a total working capital of Rs. 12356 lakhs as against Rs. 7829 lakhs in 1970 and Rs 8922 lakhs in 1971. There were 24 industrial groups having a working capital of Rs. 100 lakhs and more during the year under report. The industrial groups arranged in descending order according to the working capital employed are given in Table 4.

'Electricity' alone accounted for 16% of the working capital investment in the factory sector during the year under review.

TALBE 4

## Arrangement of Industries According to Working Capital

Sl. No.	Code No.	Name of Industry	Working Capital (Rs. in lakhs)
1	40	Electricity	2055.12
2	214	Cashewnut processing	799.04
3	311	Manufacture of Fertilizers and pesticides	646.86
4	310	Manufacture of organic and inorganic chemicals	551.84
5	280	Manufacture of paper and paper Board	436.63
6	231	Cotton Spinning and Weaving-in Mills	433.53
7	203	Canning and processing of fish and similar foods	334.15
8	361	Manufacture of Insulated wires and cables	288.88
9	360	Manufacture of Electrical Generators and Transformers	268.66
10	217	Manufacture of starch	246.10
11	331	Casting and Forging of Iron and steel	226.42
12	270	Manufacture of veneer and playwood	218.04
13	268	Manufacture of coir and coir products	209.49
14	340	Manufacture of Metal Cans and Tin plate	200.01
15	320	Manufacture of structural clay products	190.23
16	357	Manufacture of Machine tools	189.19
17	212	Tea processing	176.04
18	302	Manufacture of Rubber products—others	175.95
19	284	Printing and Publishing of news papers	150.53
20	271	Sawing and planing of wood	137.34
21	235	Weaving and finishing of cotton textiles—handlooms	135.34
22	300	Tyres and Tube Industries	125.37
23	336	Zinc Manufacturing	121.65
24	313	Manufacture of Drugs and Medicines	111.74
25		Other Industries	3935.86
State Total			12356.01

## 2.5 Productive Capital

The productive Capital is the sum total of fixed and working capitals. There were 34 industrial groups having a productive capital of Rs. 100 lakhs and above during the year. The industrial groups according to productive capital arranged in the descending order given in Table 5.

The table shows that more than 32% of the productive capital investment in the factory sector industries was in 'Electricity'.

TABLE 5

## Arrangement of Industries according to Productive Capital

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Productive capital (Rs. in lakhs)</i>
1	40	Electricity	21888.40
2	311	Manufacture of Fertilizers and pesticides	8263.57
3	310	Manufacture of organic and inorganic chemicals	2125.83
4	231	Cotton Spinning and Weaving—in Mills	1337.44
5	280	Manufacture of paper and paper board	1074.67
6	214	Cashewnut processing	962.00
7	357	Manufacture of machine tools	791.60
8	203	Canning and processing of fish and similar foods	686.84
9	361	Manufacture of Insulated wires and cables	629.30
10	360	Manufacture of Electrical Generators and Transformers	618.97
11	212	Tea Processing	617.07
12	314	Manufacture of perfumes and lotions	591.93
13	302	Manufacture of Rubber products—others	512.94
14	336	Zinc manufacturing	471.05
15	320	Manufacture of structural clay products	466.78
16	270	Manufacture of veneer and plywood	435.52
17	217	Manufacture of starch	425.28
18	331	Casting and forging of Iron and Steel	373.73
19	340	Manufacture of Metal cans and tin plate	364.14
20	335	Aluminium Manufacturing	362.96
21	300	Tyre and tube industries	311.49
22	284	Printing and Publishing of News papers	304.77
23	268	Manufacture of coir and coir products	285.66
24	271	Sawing and Planning of wood	273.11
25	316	Manufacture of Turpentine	215.44
26	313	Manufacture of Drugs and Medicines	206.20
27	323	Manufacture of Chinaware and porcelain ware	190.68
28	235	Weaving and Finishing of cotton textiles—handlooms	186.15
29	973	Repair of motor vehicles	179.36
30	206	Manufacture and Refining of sugar	169.04
31	285	Printing and Publishing of books and journals	168.16
32	380	Manufacture of Medical and Surgical equipments	157.32
33	201	Manufacture of Dairy products	121.22
34	289	Printing and Publishing of picture and post card	114.91
35	211	Manufacture of other Edible oils	112.87
36		Other Industries	6731.80
State Total			52728.20

## 2.6 Invested capital

Invested capital is the sum total of fixed capital and physical working capital. There were 30 industry groups having invested capital of Rs. 100 lakhs and more during the year under report.

Table 6 gives these industrial groups arranged in the descending order of invested capital.

TABLE 6  
Arrangement of Industries according to Invested Capital

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Invested capital (Rs. in lakhs)</i>
1	40	Electricity	21782.31
2	311	Manufacture of Fertilizers and pesticides	4921.03
3	310	Manufacture of organic and inorganic chemicals	1275.57
4	231	Cotton spinning and weaving—in mills	1100.08
5	357	Manufacture of machine tools	905.16
6	361	Manufacture of Insulated wires and cables	713.63
7	360	Manufacture of Electrical Generators and Transformers	689.20
8	214	Cashewnut processing	681.33
9	336	Zinc Manufacturing	671.53
10	314	Manufacture of perfumes and Lotions	488.76
11	320	Manufacture of structural clay products	468.84
12	335	Aluminium manufacturing	445.53
13	203	Canning and processing of fish and similar foods	404.15
14	331	Casting and forging of iron and steel	401.35
15	206	Manufacture and Refining of sugar	358.36
16	340	Manufacture of metal cans and tin plate	341.59
17	341	Manufacture of structural metal products	251.23
18	302	Manufacture of Rubber products—others	211.72
19	300	Tyre and tube industries	208.05
20	268	Manufacture of coir and coir products	199.17
21	323	Manufacture of chinaware and porcelain ware	190.76
22	380	Manufacture of medical and surgical equipments	182.24
23	270	Manufacture of Veneer and plywood	166.80
24	330	Iron and Steel Industries	157.79
25	973	Repair of Motor vehicles	154.36
26	284	Printing and Publishing of news papers	143.86
27	280	Manufacture of paper and paper board	134.61
28	217	Manufacture of starch	130.91
29	370	Ship Building and Repairing	119.27
30	313	Manufacture of drugs and medicines	102.90
31		Other Industries	16923.02
State Total			54925.14

## 2.7 Outstanding Loans

The reporting factories had an outstanding loan to the tune of Rs. 41007 lakhs during the year. There were 27 industrial groups having an outstanding loan of Rs 100 lakhs and over during the year. The list of these Industrial groups in descending order according to loans outstanding is given in table 7.

TABLE 7

### Arrangement of Industries according to Outstanding Loans

Sl. No.	Code	Name of Industries	Outstanding loans (Rs. in lakhs)
1	40	Electricity	21334.99
2	311	Manufacture of Fertilizers and Pesticides	4921.03
3	335	Aluminium manufacturing	3002.44
4	310	Manufacture of Organic and Inorganic chemicals	1275.57
5	231	Cotton spinning and weaving in mills	1100.08
6	214	Cashewnut processing	681.33
7	314	Manufacture of perfumes and lotions	488.76
8	361	Manufacture of Insulated wires and cables	460.45
9	203	Canning and processing of fish and similar foods	404.15
10	336	Zinc Manufacturing	384.84
11	206	Manufacture and Refining of Sugar	358.36
12	331	Castig and Forging of Iron and Steel	325.85
13	360	Manufacture of electrical generators and transformers	312.89
14	302	Manufacture of Rubber products - others	211.72
15	300	Tyre and Tube Industries	208.05
16	357	Manufacture of Machine Tools	200.03
17	268	Manufacture of coir and coir products	199.17
18	320	Manufacture of Structural clay products	172.72
19	270	Manufacture of Veneer and Plywood	166.80
20	380	Manufacture of Medical and Surgical equipments	152.37
21	359	Manufacture and Repairs of Sewing machines	144.77
22	284	Printing and Publishing of News Papers	143.86
23	280	Manufacture of paper and paper Board	134.61
24	217	Manufacture of starch	130.94
25	323	Manufacture of China ware and porcelain ware	130.61
26	340	Manufacture of metal cans and Tin plate	103.97
27	313	Manufacture of Drugs and Medicines	102.90
28		Other Industries	3753.23
		State Total	41006.49

## 2.8 Employment

The reporting factories had 239297 employees during the reference year of which 84% were workers. There were 19 industrial groups employing more than 2000 workers.

"Cashewnut processing" the traditional industry of the State accounts for just half the number of workers in the factory sector of Kerala. Details of employment in the different industries are given in table 8.

TABLE 8

### Arrangement of Industries according to number of Persons employed

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Total No. of employees Nos.</i>	<i>Total No. of workers No.</i>
(1)	(2)	(3)	(4)	(5)
1	214	Cashewnut Processing	103026	99996
2	40	Electricity	18311	12978
3	320	Manufacture of structural clay products	13923	12587
4	231	Cotton Spinning and Weaving - in mills	11470	10512
5	271	Sawing and Planning of wood	7800	6680
6	212	Tea processing	5656	5001
7	235	Weaving and Finishing of cotton Textiles - handlooms	5463	4821
8	311	Manufacture of other edible oils	4811	3261
9	331	Casting and Forging of Iron and Steel	4460	373
10	973	Repair of Motor Vehicles	4418	3814
11	302	Manufacture of Rubber Products - others	3599	2912
12	268	Manufacture of coir and coir products	3391	2810
13	270	Manufacture of veneer and plywood	3316	2740
14	204	Grain mill products	3285	2386
15	280	Manufacture of paper and paper board	3159	2626
16	310	Manufacture of organic and Inorganic chemicals	2715	1774
17	285	Printing and Publishing of Books and Journals	2571	2125
18	357	Manufacture of Machine Tools	2360	1564
19	370	Ship Building and Repairing	2119	1832
20	284	Printing and Publishing of Newspapers	1838	1023
21	360	Manufacture Electrical Generators and Transformers	1661	1201

(1)	(2)	(3)	(4)	(5)
22	289	Printing, Publishing of picture and postcard	1430	1132
23	313	Manufacture of Drugs and Medicines	1367	1011
24	206	Manufacture and Refining of sugar	1356	894
25	300	Tyre and tube Industries	1300	921
26	314	Manufacture of perfumes and lotions	1289	989
27	361	Manufacture of Insulated wires and cables	1210	769
28	335	Aluminium manufacturing	1105	757
29	340	Manufacture of Metal Cans and Tin Plate	1102	848
30		Other Industries	19786	18439
		State Total	239297	208776

### 2.9 Wages

During the year the registered factory sector paid Rs. 4680 lakhs by way of wages to workers. The total emoluments paid to all employees together amounted to Rs. 7228 lakhs.

List of Industrial groups arranged according to total emoluments of employees in descending order is given in Table 9.

TABLE 9  
Arrangement of Industries According to Total Emoluments of Employees

Sl. No.	Code	Name of Industry	Total emoluments (Rs. in lakhs)	Wages to workers (Rs. in lakhs)
(1)	(2)	(3)	(4)	(5)
1	40	Electricity	1274.36	590.02
2	214	Cashewnut processing	80.10	719.10
3	311	Manufacture of fertilizers and pesticides	537.33	297.31
4	231	Cotton spinning and weaving in mills	518.98	444.79
5	320	Manufacture of structural clay products	302.24	263.02
6	310	Manufacture of organic and inorganic chemicals	261.36	147.20
7	280	Manufacture of paper and paper board	250.38	157.86
8	973	Repair of Motor Vehicles	183.31	155.23
9	357	Manufacture of Machine Tools	176.18	81.61
10	235	Weaving and Finishing of Cotton Textiles—Handlooms	139.27	116.81
11	314	Manufacture of perfumes and lotions	138.53	65.74
12	335	Aluminium Manufacturing	138.41	87.72
13	212	Tea processing	119.11	71.53
14	271	Sawing and Planning of wood	116.98	92.09
15	302	Manufacture of Rubber products—others	116.65	77.92
16	270	Manufacture of Veneers and Plywood	112.70	75.42

(1)	(2)	(3)	(4)	(5)
17	360	Manufacture of Electrical Generators and Transformers	106.74	58.23
18	285	Printing and Publishing of books and journals	104.12	82.91
19	284	Printing and Publishing of News papers	103.68	47.90
20	268	Manufacture of coir and coir products	100.57	72.03
21		Other Industries	1616.90	978.12
State Total			7227.90	4679.56

### 2.10. Average Annual Earnings

The average wage per annum in different industries during the year is given in Table 10.

The average annual wage of a worker in 1973-74 was Rs. 2241 a<sup>s</sup> against Rs. 1483 in 1970 and Rs. 1621 in 1971. The average earning in the manufacturing of Aluminium is found to be maximum (Rs. 11588). The minimum average annual wage is (Rs. 719) in cashew processing.

TABLE 10

#### Average Annual Earnings

Sl. No.	Code	Name of Industry	Annual wage per workers	Annual earnings per employee
(1)	(2)	(3)	(4)	(5)
1	335	Aluminium manufacturing	11588	12526
2	311	Manufacture of Fertilizers and pesticides	9117	11169
3	310	Manufacture of organic and inorganic chemicals	8298	9627
4	314	Manufacture of perfume and lotions	6647	10747
5	280	Manufacture of paper and paper board	6011	7926
6	380	Manufacture of Medical and Surgical equipments	5680	6440
7	357	Manufacture of Machine Tools	5338	7465
8	361	Manufacture of Insulated wires and cables	5453	7960
9	316	Manufacture of Turpentine	4992	6854
10	360	Manufacture of Generators and Transformers	4848	6426
11	284	Printing and Publishing of News papers	4682	5641
12	341	Manufacture of Structural Metal products	4623	5508
13	331	Casting and forging of Iron and Steel	4590	6717
14	40	Electricity	4546	6960
15	231	Cotton Spinning and weaving in Mills	4232	4525
16	370	Ship Building and repairing	4212	4403
17	973	Repair of Motor vehicles	4070	4149
18	285	Printing and Publishing of Books and Journals	3901	4050



(1)	(2)	(3)	(4)	(5)
19	323	Manufacture of China ware and porcelain ware	3805	4487
20	340	Manufacture of Metal cans and Tin plate	3634	4418
21	206	Manufacture and Refining of Sugar	3563	4279
22	300	Tyres and Tube Industries	3177	3903
23	289	Printing and Publishing of Pictures and Post card	3140	3259
24	313	Manufacture of Drugs and Medicines	3099	3594
25	276	Manufacture of Wooden furniture and fixtures	3063	3315
26	270	Manufacture of veneer and Plywood	2753	3399
27	302	Manufacture of Rubber products others	2676	3241
28	268	Manufacture of coir and coir products	2563	2966
29	226	Manufacture of Beedi	2532	2807
30	343	Manufacture of Hand tools and general hardware	2501	2677
31	235	Weaving and finishing of cotton textiles -handlooms	2423	2549
32	203	Canning and processing of fish and similar foods	2219	3005
33	320	Manufacture of structural clay products	2065	2170
34	211	Manufacture of other edible oils	1954	2310
35	204	Manufacture of grain mill products	1877	2123
36	212	Tea processing	1430	2106
37	271	Sawing and planning of wood	1379	1500
38	214	Cashewnut processing	719	786
		All Industries	2241	3020

## 2.11 Input

The total input including depreciation in the registered factory sector during the year under reference was of the order of Rs. 388 crores. There were 43 Industrial groups having a total input of more than Rs. 100 lakhs during the year. Table 11 gives the pattern of input of industries. More than 11% of the total input was for cashewnut processing.

TABLE 11

## Arrangement of Industries according to Value of Input

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Value of input (Rs. in lakhs)</i>
(1)	(2)	(3)	(4)
1	214	Cashewnut processing	4407.07
2	231	Cotton spinning and weaving—in Mills	2306.71
3	311	Manufacture of Fertilizers and Pesticides	2213.42
4	203	Canning and processing of fish and similar foods	2195.63
5	212	Tea processing	1847.10
6	314	Manufacture of perfumes and lotions	1558.65
7	211	Manufacture of other Edible oils	1427.50
8	302	Manufacture of Rubber products—others	1116.03
9	300	Tyre and tube Industries	1107.71
10	310	Manufacture of organic and inorganic chemicals	1034.51
11	335	Aluminium manufacturing	990.43
12	268	Manufacture of coir and coir products	930.78
13	280	Manufacture of paper and paper Board	918.24
14	361	Manufacture of Insulated wires and cables	805.79
15	40	Electricity	641.89
16	235	Weaving and Finishing of Cotton Textiles Handlooms	625.71
17	340	Manufacture of Metal Cans and Tin Plate	550.29
18	226	Manufacture of Beedi	547.82
19	315	Manufacture of Inedible oils	521.49
20	270	Manufacture of Veneers and Plywood	504.99
21	336	Zinc Manufacturing	471.85
22	271	Sawing and Planning of Wood	452.38
23	217	Manufacture of Starch	442.81
24	204	Grain mill products	400.38
25	360	Manufacture of electrical Generators and Transformers	398.50
26	284	Printing and Publishing of Newspapers	396.42
27	973	Repair of Motor Vehicles	386.02
28	330	Iron and Steel Industries	361.70
29	202	Canning of Fruits and Vegetables	353.60
30	320	Manufacture of Structural clay products	353.07
31	206	Manufacture and Refining of sugar	346.80
32	357	Manufacture of Machine tools	302.21
33	331	Casting and forging of iron and steel	275.41
34	313	Manufacture of Drugs and Medicines	253.79
35	201	Manufacture of Dairy products	187.03
36	289	Printing and publishing of picture and post card	172.16
37	343	Manufacture of Hand tools and general hardware	152.55

(1)	(2)	(3)	(4)
38	341	Manufacture of structural metal products	146.42
39	285	Printing and Publishing of Books and Journals	139.36
40	265	Manufacture of Rain coats and hats.	139.09
41	232	Printing, dyeing and bleaching of cotton textiles	130.17
42	219	Manufacture of food products—others	116.42
43	380	Manufacture of Medical and Surgical equipments	114.72
44		Other Industries	6103.80
State Total			38848.42

### 2.12 Output

The total output (including services) rendered during the year 1973-74 stood at Rs. 522 crores. There were about 37 industries which had a total value of output exceeding Rs 200 lakhs during the year. Cashewnut processing occupied the first place in the contribution of output.

A list of industries having a total output of Rs. 100 lakhs and more is given in Table 12.

TABLE 12

#### Arrangement of Industries according to value of Output

Sl. No.	Code	Name of Industry	Value of output (Rs. in lakhs)
1	214	Cashewnut processing	5725.85
2	311	Manufacture of Fertilizers and Pesticides	3639.56
3	231	Cotton Spinning and Weaving—in Mills	3506.93
4	40	Electricity	2445.19
5	203	Canning and processing of fish and similar foods	2349.50
6	212	Tea processing	2340.79
7	314	Manufacture of perfumes and lotions	1952.21
8	211	Manufacture of other edible oils	1571.77
9	280	Manufacture of paper and paper board	1569.50
10	310	Manufacture of organic and inorganic chemicals	1560.86
11	300	Tyre and Tube Industries	1531.69
12	302	Manufacture of Rubber Products—Others	1411.92
13	335	Aluminium Manufacturing	1088.55
14	268	Manufacture of coir and coir products	1085.56
15	361	Manufacture of Insulated wires and cables	930.01
16	235	Weaving and finishing of cotton textiles— Handlooms	865.28
17	320	Manufacture of structural clay products	756.03

(1)	(2)	(3)	(4)
18	270	Manufacture of Veneer and Plywood	733.50
19	226	Manufacture of Beedi	692.67
20	340	Manufacture of Metal Cans and Tin plate	649.91
21	271	Sawing and Planning of wood	631.43
22	973	Repair of Motor Vehicles	614.43
23	360	Manufacture of Electrical Generators and Transformers	602.39
24	284	Printing and publishing of newspapers	572.47
25	336	Zinc Manufacturing	554.95
26	217	Manufacture of Starch	544.49
27	316	Manufacture of Turpentine	496.77
28	204	Grain mill products	440.62
29	206	Manufacture and Refining of sugar	424.09
30	330	Iron and Steel Industries	408.74
31	313	Manufacture of Drugs and Medicines	401.39
32	202	Canning of fruits and vegetables	392.09
33	331	Casting and Forging of Iron and Steel	352.56
34	357	Manufacture of Machine Tools	352.28
35	341	Manufacture of structural metal products	242.85
36	289	Printing, Publishing of picture and postcard	235.46
37	285	Printing and Publishing of Books and Journals	202.22
38	343	Manufacture of Hand tools and general hardware	185.85
39	370	Ship Building and Repairing	171.50
40	201	Manufacture of Dairy products	168.93
41	380	Manufacture of medical and surgical equipment	168.85
42	265	Manufacture of Rain coats and hats	167.43
43	232	Printing, Dyeing and Bleaching of cotton textiles	145.75
44	219	Manufacture of Food products—others	117.20
45	205	Manufacture of Bakery products	101.42
46		Other Industries	7111.14
State Total			52214.57

### 2.13. Value added by Manufacture (Net—output)

Value added by manufacture in an industry is obtained by subtracting the total input and depreciation from total output in that industry.

The net output in the factory sector during the year under reference was estimated at Rs. 13366.15 lakhs as against Rs. 8047 lakhs in 1970 and Rs. 8523 lakhs in 1971. There were 23 industrial groups having a net output of Rs. 100 lakhs and more as can be seen from table 13.

TABLE 13

Arrangement of Industries According to Net Output  
(value added by manufacture)

Sl. No.	Code	Name of Industry	Net output (Rs. in lakhs)
1	40	Electricity	1803.30
2	311	Manufacture of Fertilizers and pesticides	1426.14
3	214	Cashewnut processing	1319.78
4	231	Cotton Spinning and Weaving—in mills	1200.22
5	280	Manufacture of paper and paper board	651.26
6	310	Manufacture of Organic and Inorganic Chemicals	526.35
7	212	Tea processing	493.69
8	300	Tyre and Tube Industries	423.98
9	320	Manufacture of Structural clay products	402.96
10	314	Manufacture of perfumes and lotions	393.56
11	352	Manufacture of Rubber products—others	295.89
12	235	Weaving and finishing of cotton textiles—handlooms	239.60
13	270	Manufacture of veneer and plywood	228.51
14	973	Repair of motor vehicles	228.41
15	360	Manufacture of Electrical Generators and Transformers	203.89
16	271	Sawing and Planning of wood	179.05
17	284	Printing and Publishing of News papers	176.05
18	203	Canning and Processing of fish and similar foods	154.87
19	268	Manufacture of coir and coir products	154.78
20	313	Manufacture of Drugs and Medicines	147.60
21	226	Manufacture of Beedi	144.85
22	214	Manufacture of other edible oils	144.27
23	361	Manufacture of Insulated wires and cables	124.24
24	217	Manufacture of Starch	101.68
25		Other Industries	2201.22
State Total			13366.15

#### Capital Out-put Ratios of Industries in Kerala

Twenty six major type of industries and their capital output ratios are given in Table 14.

Manufacture of electricity, fertilizers and pesticides, machine tools, organic and inorganic chemicals are the industries which show a very high capital output ratio. Electricity tops the list. The remaining industries however give a lower capital output ratio. Manufacture of perfumes and toilets, tyre and tubes, canning and processing of fish and other similar products, tea processing etc. are some of the industrial types which show a lower ratio.

Barring Electricity, Kerala State as a whole shows a capital output ratio of 0.42. But including Electricity, the ratio goes upto 0.77. It may be well to point out that the State has invested crores of rupees for the manufacture of Electricity and the gestation period of many of the hydro electric schemes is not yet over. Of the 26 industrial types mentioned, only four have shown a capital output ratio of more than one. 17 industries however show a capital output ratio of less than 0.5.

TABLE 14  
Capital Output Ratios of Some Industries

<i>Sl. No.</i>	<i>Code</i>	<i>Description of Industry</i>	<i>Fixed capital Rs. in lakhs</i>	<i>Value of output Rs. in lakhs</i>	<i>Capital output ratio</i>
(1)	(2)	(3)	(4)	(5)	(6)
1	40	Electricity	19833.28	2445.19	8.11
2	311	Manufacture of Fertilizers and Pesticides	7716.61	3639.56	2.12
3	357	Manufacture of Machine tools	602.41	352.28	1.71
4	310	Manufacture of organic and inorganic chemicals	1573.94	1560.86	1.01
5	201	Manufacture of Dairy Products	114.34	168.93	0.68
6	285	Printing and Publishing of journals	135.59	202.22	0.67
7	376	Zinc manufacturing	349.40	554.95	0.62
8	360	Manufacture of Electric generators and transformers	350.31	602.39	0.58
9	331	Casting and forging of iron	147.31	352.56	0.42
10	280	Manufacture of paper and paper boards	638.04	1569.50	0.41
11	320	Manufacture of structural clay products	276.55	756.03	0.37
12	361	Manufacture of insulated wires and cables	340.42	930.01	0.37
13	206	Refining of sugar	126.24	424.09	0.30
14	270	Manufacture of veneers and plywood	217.48	733.50	0.30
15	335	Aluminium manufacturing	327.33	1088.55	0.30
16	284	Printing and Publishing of news papers	154.24	572.47	0.27
17	231	Cotton spinning and weaving	903.91	3506.93	0.25
18	340	Manufacture of metal cans and tin plates	164.13	649.91	0.25
19	302	Manufacture of rubber products- others	336.99	1411.92	0.24

(1)	(2)	(3)	(4)	(5)	(6)
20	271	Sawing and Planning of wood	136.37	631.43	0.22
21	973	Repairs of motor vehicles	130.79	614.43	0.21
22	212	Tea processing	441.03	2340.79	0.19
23	203	Canning and Processing of fish and similar products	352.69	2349.50	0.15
24	300	Tyre and Tube industries	186.12	1531.69	0.12
25	314	Manufacture of perfumes and lotions	123.22	1952.21	0.06
26	214	Cashewnut processing	162.96	5725.85	0.02
27		Other industries	7230.49	15546.82	0.47
Total			40372.19	52214.57	0.77

Electricity has shown the higher capital output ratio and cashewnut manufacturing gives the lowest capital output ratio among the above 26 industries.

## SECTION II

### Scale of Industrial Development—District wise analysis

Districts are ranked according to their performance in six major indicators of industrial development viz. (1) Number of industrial establishments under factory sector in the District (2) fixed capital utilized by the District (3) Total worth of output produced (4) value added to manufacturing (5) Total number of persons employed and (6) total emoluments paid to the employees of the district under factory sector. Considering the ranks of the district in these items, we can arrive at a scale of industrial development of the districts (Table A).

Ernakulam has secured the first place in the over all industrial development. Quilon District comes next to Ernakulam. The order of the districts in the general scale of industrial development is given in the following table:

District	Rank
Ernakulam	1
Quilon	2
Trichur	3
Kozhikode	4
Cannanore	5
Trivandrum	6
Kottayam	7
Alleppey	8
Palghat	9
Idukky	10
Malappuram	11

Among the districts of Kerala, Ernakulam is the most industrially developed district while Malappuram is the least developed in the State. Industrially, Trivandrum, Kottayam, Alleppey and Palghat are more or less of the same standard. Next to Malappuram, Idukky is the most backward district of Kerala.

### Districtwise Analysis of Industrial Development:

There were 2608 registered factories in the State during 1973-74. Details of 2373 industrial establishments were available. Basic data needed for the districtwise analysis of that economic indicators of industrial development are presented in Table A, B, B1, C and D (Appended).

*1. Quilon.*—17.8% of the factories of the State had been located in Quilon District. Among the Districts of Kerala, Quilon ranked first in the number of industrial establishments. This district had 423 industrial establishments under factory sector, and had utilized a fixed capital of Rs. 1108.62 lakhs and produced Rs. 8237.47 lakhs worth of output, generating Rs. 1781.31 lakhs of value added in manufacturing. A total of 93515 persons had been employed in these factories giving a total emoluments of Rs. 1120.54 lakhs. Among the districts of Kerala, Quilon ranked first not only in the total number of industrial establishments in the factory sector but also in respect of persons employed. It had the 3rd place in the utilization of fixed capital and 2nd place in the value added by manufacture. A point of importance to be noted here, is that the district provided employment to a lakh of people and secured the first rank in this respect. Besides it had the 2nd place in respect of the total emoluments paid to workers.

Even though 17.8% of the factories of the State were in the District, it had only utilized 2.74% of the total fixed capital of the state but provided employment to 41.06% of the employees of the State disbursing, 19.19% of total emoluments paid to employees of the State as a whole. Quilon had generated 13.32% of the value added in manufacturing of the State. A few industries were seen concentrated in this District. Out of 295 cashew processing industries in the State, 246 were in Quilon district. Quilon had a major role on the manufacture of structural clay products, china ware and porcelain ware, metal cans and tin plates etc. Besides saw mills also had a major role in the economy of the District.

Quilon District showed the lowest capital output ratio (0.13), and in capital-labour ratio (1125). For a capital output Rs. 13 used in this district had produced Rs. 100 worth of output. This means that the industries in this district are not capital intensive and in fact labour intensive.

*2. Trichur.*—Trichur had the 2nd place in the total number of industrial establishments in the factory sector. 397 factories in the district had utilized a fixed capital of Rs. 902.80 lakhs, producing Rs. 4557.06 lakhs worth of output. The industries in this district had generated Rs. 1318 lakhs of value added by manufacture and employment to 18398 persons providing a total emolument of Rs. 552.75 lakhs.

Though the district had the 2nd place in the number of factories, it had only a fourth place in the utilization of fixed capital and in the total emoluments paid to workers. But in value added in manufacturing and in employment provided, the district secured the 3rd place among the districts of Kerala.



Even though 16.72% of the factories in Kerala were located in Trichur District, it had only utilized 2.23% of the fixed capital of the State providing employment to 7.68% of the employees of the state and giving 7.65% of the emoluments to the wage earners of the district. However, Trichur had contributed 9.86% of the State's value added by manufacture. The capital output ratio of the district during the period 1973-74 was 0.20 and capital labour ratio was 4907. 29% of the grain mill products were located in this district; 39% of the edible oil manufactured were from Trichur. 16% of the saw mill were also seen here. In printing picture of post cards, manufacture of bobbins and blocks; rubber products and medicine, Trichur had a unique place. 56% of the structural clay products of the state were located in Trichur Districts. Out of 17 units of industrial machinery for textiles 9 of them were in Trichur District alone.

3. *Ernakulam*.—323 industries had been located in Ernakulam district which had utilized Rs. 13796.86 lakhs as fixed capital producing Rs. 17745.72 lakhs worth of output, generating Rs. 3510.20 lakhs of value added in manufacturing, providing employment to 29136 persons, paying Rs. 1958.73 lakhs by way of emoluments to employees of this district. Among the districts of Kerala, Ernakulam ranked the first, in the utilization of fixed capital, in total output, in value added and in emoluments paid to employees and ranked second in the number of persons employed under the factory sector. Though it had a second place in respects to employment, it stood first in respect of total emoluments paid to the employees of the district.

13.62% of the factories had been located in Ernakulam District. These factories utilized 34.18% of the fixed capital of the state and provided employment only to 12.07% of the employees, giving 24.31% of the total emoluments paid to workers. It may be well to point out that Trivandrum and Ernakulam together utilized 86.55% of the fixed capital of the state during 1973-74 but provided employment to only 43.67% of the employees of the state under factory sector.

Ernakulam alone generated 26.6% of the value added to manufacture and had a capital output ratio of 0.78 and a capital labour ratio of 47353. In capital output ratio Ernakulam had the 9th rank among districts in the ascending order.

Among the districts of Kerala, Ernakulam secured a unique position in canning and fishing, in coir products in saw mills, in printing of books and periodicals, in foundries, forecasting and forging iron, in repairs of vehicles and in the manufacture of edible oil, organic chemicals, fertilizers, clay products, metal cans and tin plates, structural metal products, motor vehicle parts etc.

4. *Kozhikode*.—There were 277 industrial establishments in Kozhikode District under factory sector. An amount of Rs. 886.63 lakhs had been utilized as fixed capital for these industries and had produced Rs. 39.059 lakhs worth of output generating Rs. 1135.43 lakhs of value added by manufacture. These industries provided employment to 17480 persons giving a total emoluments of Rs. 621.05 lakhs to the employees.

Kozhikode had the 4th place among districts in the number of industrial establishments under factory sector. It had the fifth rank in the utilization of fixed capital and in the total output worth of products. The district secured the fourth place among districts in value added, and in the total number of persons employed. But the district had the 3rd rank in the total emoluments paid to the employees of the district.

11.68% of the industries of the state were located in Kozhikode but it had utilized only 2.19% of the fixed capital providing employment to 7.30% of the employees of the state in the factory sector. In respect of the total emoluments paid to employees, this district shared 8.96% of the emoluments of the state. The district had contributed 8.49% of the states value added by manufacture. The capital output ratio of Kozhikode was 0.23 for the year 1973-74 and the capital labour ratio was 5072.

Kozhikode district, compared to other districts was not industrially backward. Kozhikode was famous for many industries and have good name in weaving and finishing of Handlooms, in the manufacture of Veneer and plywood coir products, in printing of books and journals in printing of picture and post card; in the manufacture of rubber products, structural clay products, tea processing, coats and hats etc.

5. *Cannanore*.—There were 257 industrial establishments under factory sector in the district which had utilized a fixed capital of Rs. 446.59 lakhs producing Rs. 3449.14 lakhs worth of output generating Rs. 1044.22 lakhs of value added by manufacture. These industries had employed 14814 persons giving a total emoluments of Rs. 423.89 lakhs. Cannanore had 5th rank among the districts in the total number of factories, in value added by manufacture and in the number of persons employed in the factory sector and secured only the 6th place in total output and total emoluments paid to workers. In the case of fixed capital used by these industries Cannanore had only the 9th place among the districts of Kerala. Capital output ratio of Cannanore was the lowest among the districts i.e. 0.13; and capital-labour ratio was 3015 during 1973-74 period.

Compared to other districts of Kerala Cannanore district had used only a small percentage of (1.11%) of the fixed capital under State sector, but provided employment to 6.10% of employees of the State under factory sector providing only 5.87% of the total emoluments. Though it had 10.83% of the factories of the State it had generated only 7.82% of the value added by manufacture of the State.

The district assumed importance in weaving and finishing cotton—handlooms, in saw mills, in the manufacture of veneer and plywood, in weaving cotton (Powerloom), in tea processing, beedi manufacturing, cashew processing etc.

*Palghat*.—202 industries in Palghat district under factory sector had utilized a fixed capital of Rs. 597.43 lakhs producing Rs. 1921.92 lakhs worth of output during 1973-74. These industries had generated Rs. 475.27 lakhs of value added by manufacture. Only 7187 persons had been employed in these factories giving a total emoluments of Rs. 188.22 lakhs.

Palghat district secured the 6th place among district in the total number of factories, in the utilization of fixed capital and had the 8th rank in total output and number of persons employed and 9th rank in value added by manufacture and total emoluments paid to employees. Though 8.52% of the industries under factory sector were in Palghat, it had only utilized 2.23% of the fixed capital of the State providing employment to 7.68% of the employees of the State, giving 7.65% of the emoluments to the employees of the district. However, the district had contributed 9.86% of the value added by manufacture. Capital output ratio was 0.31 and capital labour ratio was 8313 for the Palghat district during 1973-74 period.

Palghat had the patronage in grain mills and manufacture of Ivory goods. The district promoted industries such as rubber products, structural clay products, metal cans and tin plates, repairs of motor vehicle etc.

7. *Alleppey*.—Alleppey had only 148 industries under factory sector during 1973-74 which had utilized Rs. 486.66 lakhs of fixed capital giving a total output worth of Rs. 3083.96 lakhs, generating Rs. 526.82 lakhs of value added, giving employment to 11322 persons, providing a total emoluments of Rs. 279.49 lakhs to employees.

Alleppey had 7th rank in the number of establishments, total output, number of persons employed and in total emoluments paid to workers. It had only the 8th rank in fixed capital and value added by manufacture.

Alleppey had the 2nd place (first being Ernakulam) in canning of fish and similar foods. Alleppey assumed importance in the manufacture of edible oils, cashew processing, saw mills printing manufacture of rubber products, drugs and medicines, clay product and in the manufacture of electrical apparatus. In fact Alleppey had patronised the manufacture of coir and coir products in the State. Out of 93 of coir units in the State, 57 were in Alleppey district alone. Though 6.23% of the factories of the State were located in Alleppey it had only 1.21% of fixed capital and had provided employment to 5.17% of the employees of the State, providing 3.87% of the emoluments, the state had paid to employees in the factory sector. The district had 3.95% of the State's value added to manufacture.

8. *Kottayam*.—During 1973-74, there were 117 industries under factory sector. An amount of Rs. 562.03 lakhs had been utilized as fixed capital by the factories, producing a total output worth of Rs. 4047.85 lakhs, generating Rs. 745.44 lakhs as value added by manufacture, providing employment to 5655 persons with a total emolument benefit of Rs. 233.76 lakhs to employee.

Kottayam ranked 8th among districts in the total number of factories and had the 7th place in the utilization of fixed capital. But it secured the 4th place in the total worth of output, and 6th rank in value added to manufacturing. With respect to the number of persons employed, Kottayam ranked 9th but in the emoluments paid, it had the 8th rank.

Kottayam showed a capital output ratio of 0.14 and a capital labour ratio 9939. Industries such as saw mills, wooden and cane boxes, printing books and journals. Tyre and tubes industries, rubber products, fertilizers, sewing machines etc. were seen in the district. In the manufacture of rubber products, Kottayam district had a virtual monopoly.

4.9% of the factories of the State had been located in Kottayam district. But this district had utilized only 1.39% of the fixed capital, the State had utilized for industries under factory sector. This district had provided employment to 2.36% and distributed 2.76% of the emoluments to the employees. Besides, the district had generated 5.58% of the value added to manufacturing in the state.

9. *Idukky*.—There were 102 industries in Idukky district which utilized Rs. 343.24 lakhs of fixed capital producing Rs. 1857.05 lakhs worth of output generating Rs. 390.77 lakhs of value added to manufacturing, employing 4822 persons in the factory sector providing a total emoluments of Rs. 104 04, lakhs to the employees.

Though Idukky ranked 9th in respect of the number of factories and total output and it had only the 10th rank among the districts of Kerala in the utilization of fixed capital, total worth of output, value added, in the total number of employees and emoluments paid to employees.

Capital output ratio of Idukky district was 0.18 and capital labour ratio came to be 7118.

Though 4.29% of the factories of the State had been reported from the District it had utilized less than 1% (0.86%) of the fixed capital of the state providing employment to 2% of the employees, giving 1.44% of the total emoluments of the State to its employees. With respect to value added to manufacturing, this district had 2.92% of the total value added.

Idukky had the virtual monopoly of tea processing. 81 out 121 tea processing unit had been located in Idukky District. It had a few industries (manufacturing rubber products and a few repair of motor vehicles.)

10. *Trivandrum*.—Trivandrum had only 92 industries under factory sector. This included manufacturing of electricity also. Since the electricity board is located in Trivandrum, the capital investment of the Electricity Board would naturally be included. This would mislead the reader and project a wrong picture about the development of the district. For instance, including the manufacture of electricity, Trivandrum would be ranked as first among the district in fixed capital utilized and ranked as 2nd in value added and No. of persons employed and in total emoluments paid to workers. If electricity is excluded Trivandrum would get only a 2nd place in fixed capital and 7th place in value added 6th place in number of employees and 5th place in total emoluments paid to workers.

To avoid such a misleading projection of development, manufacture of electricity (which represents the whole State) has been excluded in the analysis of the scale of development of the district.

These 91 industries of the district (excluding electricity) had utilized a fixed capital of Rs. 1357.08 lakhs producing 1714.35 lakh worth of output generating Rs. 535.77 lakhs worth of value added. These industries gave employment to 12801 persons giving a total emoluments of Rs. 455.61 lakhs to the employees under factory sector.

Among the districts of Kerala, Trivandrum had 10th rank in the number of industries under factory sector, but secured the 2nd rank in respect of fixed capital utilized by the industries. The district had only the 10th rank in total output and 7th rank in value added and 6th rank in the number of persons employed and the 5th rank in total emoluments paid.

Trivandrum had only 3.88% of the factories of the State during 1973-74, producing 3.28% of total output. But it had utilized 3.36% of the fixed capital of the State, giving employment to 5.35% of employees of the State under factory sector. 4.01% of value added to manufacture were from Trivandrum district.

Trivandrum District showed a capital output ratio of 0.79 and a capital labour ratio of 10601. Compared to other districts, Trivandrum showed the highest capital output ratio. In capital labour ratio Trivandrum stood 2nd to Ernakulam District.

Trivandrum District was not industrially developed. It had a few cashew processing factories, cotton spinning and weaving industries, saw mills, manufacture of furniture units, printing of books and journals and news papers. Printing picture and post card, manufacture of metal utensils and cutlery, manufacture of bicycle and rikshaws and repairs of motor vehicles, of 8 manufacturing units of bicycles and rikshaws, four of them were in Trivandrum District.

#### MALAPPURAM

Malappuram District had only 35 industrial establishments under factory sector. This district was industrially backward in most of the items of development. These 35 industries together had utilized Rs. 100.87 lakhs as fixed capital and produced Rs. 360.90 lakhs worth of output and generated Rs. 137.20 lakhs of value added in manufacturing. These industries had given employment to 1453 persons and paid Rs. 47.78 lakhs as total emoluments.

This district ranked last in all items viz in the No. of factories, in fixed capital utilised, in total output in value added in manufacturing and in the number of persons employed and in the total emoluments paid to the employees.

Only 1.47% of the factories were seen in Malappuram, and it was industrially backward and had utilized only 0.25% of the fixed capital under factory sector of the State giving employment to 0.60% of the employees of the State providing 0.78% of the emoluments to employees. 1.03% of the value added to manufacturing in the State were from Malappuram District.

The capital output ratio of the district for the year 1973-74 was 0.28 and the capital labour came to be 6942. Malappuram had no concentration of industries to boast of. To mention, there were only 4 grain mills 2 edible oil manufacturing units, 1 starch unit, 3 saw mills, 2 veneers and plywood, 1 manufacturing of drugs and medicines and matches etc.

TABLE A

## Industrial Development—Ranking of Districts

<i>Districts</i>	<i>Number of Industrial Units</i>	<i>Fixed capital utilized</i>	<i>Total output</i>	<i>Net output or value added by manufacture</i>	<i>Number of persons employed</i>	<i>Total emoluments paid to employees</i>	<i>Rank of Districts in over-all industrial development</i>
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Trivandrum	10	2	10	7	6	5	6
Quilon	1	3	2	2	1	2	2
Alleppey	7	8	7	8	7	7	8
Kottayam	8	7	4	6	9	8	7
Idikki	9	10	9	10	10	10	10
Ernakulam	3	1	1	1	2	1	1
Trichur	2	4	3	3	3	4	3
Palghat	6	6	8	9	8	9	9
Malappuram	11	11	11	11	11	11	11
Kozhikode	4	5	5	4	4	3	4
Cannanore	5	9	6	5	5	6	5

Ranking of districts according to the Scale of Industrial Development.

- |               |                |
|---------------|----------------|
| 1. Ernakulam  | 7. Kottayam    |
| 2. Quilon     | 8. Alleppey    |
| 3. Trichur    | 2. Palghat     |
| 4. Kozhikode  | 10. Idikki     |
| 5. Cannanore  | 11. Malappuram |
| 6. Trivandrum |                |

TABLE B  
Economic Indicator—District Wise

Sl. No.	No. of units reported No.	Fixed Capital (Rs. in lakhs)	Total output (Rs. in lakhs)	Net output (Rs. in lakhs)	All employees No.	Total emoluments Rs.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Quilon 423	Ernakulam 13796.86	Ernakulam 17745.72	Ernakulam 3510.26	Quilon 98515	Ernakulam 1958.73
2	Trichur 397	Trivandrum 1357.08	Quilon 8237.47	Quilon 1781.31	Ernakulam 29136	Quilon 1120.54
3	Ernakulam 323	Quilon 1108.62	Trichur 4557.06	Trichur 1318.00	Trichur 18398	Kozhikode 621.05
4	Kozhikode 277	Trichur 902.80	Kottayam 4047.85	Kozhikode 1135.43	Kozhikode 17480	Trichur 552.75
5	Cannanore 257	Kozhikode 886.63	Kozhikode 3910.59	Cannanore 1044.92	Cannanore 14814	Trivandrum 455.61
6	Palghat 202	Palghat 597.43	Cannanore 3447.14	Cannanore 1044.92	Trivandrum 12801	Cannanore 423.89
7	Alleppey 148	Kottayam 562.03	Alleppey 3083.96	Kottayam 745.44	Alleppey 11322	Alleppey 279.49
8	Kottayam 117	Alleppey 486.66	Palghat 1921.92	Trivandrum 535.71	Palghat 7187	Kottayam 233.76
9	Idikki 102	Cannanore 446.59	Idikki 1857.05	Palghat 475.27	Kottayam 5655	Palghat 188.22
10	Trivandrum 91	Idikki 343.24	Trivandrum 1714.35	Idikki 390.77	Idikki 4822	Idikki 104.04
11	Malappuram 35	Malappuram 100.87	Malappuram 360.90	Malappuram 137.20	Malappuram 1453	Malappuram 47.78

## Census and Non-Census (Combined)

TABLE B (1)  
Details of Economic Indicators—District-wise

Items	Triandrum	Quilon	Alleppey	Kottayam	Idikki	Ernakulam
No. of units reported No.	92	423	148	117	102	323
Fixed Capital (Rs. in lakhs)	21140.46 (1357.01)	1108.62	486.66	562.03	343.24	13796.86
Working Capital "	2424.24 (406.22)	1693.40	353.08	374.27	140.16	4842.74
Productive Capital "	23564.70 (763.23)	2802.02	839.74	936.30	483.40	18639.60
Invested Capital "	23533.16 (1811.58)	2984.21	1142.07	1011.70	461.55	20049.39
Outstanding Loans "	22532.90 (1197.91)	1522.54	737.44	531.76	71.65	13254.57
No. of workers No.	23784 (11178)	93852	9742	4255	4243	21680
All employees No.	30515 (12801)	98515	11322	5655	4822	29136
Wages to workers (Rs. in lakhs)	906.39 (333.49)	898.07	186.88	128.79	63.61	1137.41

Figures in bracket give the position excluding "Electricity"



TABLE B (1) (Contd.)

Items	Trivandrum	Quilon	Alleppey	Kottayam	Idukky	Ernakulam
Total emoluments Rs. in lakhs	1697.65 (455.61)	1120.54	279.49	233.76	104.04	1958.73
Total input	1744.18 (1607.63)	6456.16	2557.14	2302.41	1466.28	14235.46
Total output	4044.91 (1714.35)	8237.47	3083.96	4047.85	1857.05	17745.72
Net output (value added)	2300.73 (535.71)	1781.31	526.82	745.44	390.77	3510.26

Items	Trichur	Palghat	Malappuram	Kozhikode	Cannanore	State
No. of units reported No.	397	202	35	277	257	2373
Fixed Capital (Rs. in lakhs)	902.80	597.43	100.87	886.63	446.59	40372.19
Working Capital	769.47	307.03	49.60	876.74	525.28	12356.01
Productive Capital	1672.27	904.46	150.47	1763.37	971.87	52728.20
Invested Capital	1863.38	1061.90	174.04	1758.32	880.42	54925.14

Figures in bracket give the position excluding "Electricity"

TABLE B (1) (Contd.)

Items	Trichur	Palghat	Malappuram	Kozhikode	Connamoor	State
Outstanding Loans (Rs. in lakhs)	684.52	618.27	100.39	575.68	376.77	41006.49
No. of workers No.	16215	5921	1258	14744	13082	208776
All employees No.	18398	7187	1453	17480	14814	239297
Wages to workers (Rs. in lakhs)	429.97	136.56	36.56	418.89	336.43	4679.56
Total emoluments	552.75	188.22	47.78	621.05	423.89	7227.90
Total input	3239.06	1446.65	223.70	2775.16	2402.22	38848.42
Total output	4557.06	1921.92	360.90	3910.59	3447.14	52214.57
Net output (value added)	1318.00	475.27	137.20	1135.43	1044.92	13366.15

TABLE C

**District-wise Capital Output Ratio and  
Capital Labour Ratio**

<i>Sl. No.</i>	<i>District</i>	<i>Capital output ratio</i>	<i>Capital labour ratio</i>
1	Trivandrum	0.79	10601
2	Quilon	0.13	1125
3	Alleppey	0.16	4298
4	Kottayam	0.14	9939
5	Idikki	0.18	7118
6	Ernakulam	0.78	47353
7	Trichur	0.20	4907
8	Palghat	0.31	8313
9	Malappuram	0.28	6942
10	Kozhikode	0.23	5072
11	Cannanore	0.13	3015
	State	0.08	18125

TABLE  
Percentage Share of the

<i>Sl. No.</i>	<i>Items</i>	<i>Unit</i>	<i>State</i>	<i>Trivandrum</i>	<i>Quilon</i>	<i>Alleppey</i>
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.	No. of factories reported	No.	2373	3.88	17.83	6.23
2.	Fixed capital	Rs. in lakhs	40372.19	52.37	2.74	1.21
3.	Working capital	"	12356.01	19.62	13.71	2.85
4.	Productive capital	"	52728.20	44.68	5.30	1.58
5.	Invested capital	"	54925.14	42.84	5.43	2.07
6.	Loans outstanding	"	41006.49	54.94	3.72	1.79
7.	No. of workers	No.	208776	11.39	44.95	4.66
8.	Total No. of employees	"	239297	12.65	41.06	5.17
9.	Wages to workers	Rs. in lakhs	4679.56	19.36	19.19	3.99
10.	Wages and other benefits to employees	"	7227.90	23.48	15.51	3.87
11.	Material Input	"	37030.18	3.39	17.18	6.79
12.	Total input	"	38848.42	4.48	16.62	6.58
13.	Total output	"	52214.57	7.75	15.78	5.91
14.	Net output	"	13366.15	17.22	13.32	3.95

C

## District to State Total

Districts

Percentage

<i>Kot- layam</i>	<i>Idi- kki</i>	<i>Erna- kulam</i>	<i>Trichur</i>	<i>Pal- ghat</i>	<i>Mala- ppu- ram</i>	<i>Kozhi kode</i>	<i>Canna- more</i>	<i>State</i>
(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
4.93	4.29	13.62	16.72	8.52	1.47	11.63	10.83	100.00
1.39	0.86	34.18	2.23	1.47	0.25	2.19	1.11	100.00
3.03	1.14	39.19	6.23	2.48	0.41	7.09	4.25	100.00
1.77	0.90	35.35	3.28	1.70	0.28	3.33	1.83	100.00
1.84	0.84	36.51	3.41	1.93	0.31	3.21	1.61	100.00
1.29	0.18	32.32	1.67	1.51	0.25	1.41	0.92	100.00
2.04	2.03	10.38	7.76	2.84	0.61	7.07	6.27	100.00
2.36	2.01	12.07	7.68	3.00	0.60	7.30	6.10	100.00
2.76	1.35	24.31	9.19	2.92	0.78	8.96	7.19	100.00
3.24	1.44	27.10	7.65	2.61	0.66	8.59	5.87	100.00
6.06	3.87	36.29	8.54	3.77	0.58	7.18	6.35	100.00
5.93	3.78	36.64	8.33	3.73	0.58	7.15	6.18	100.00
5.84	3.55	33.98	8.73	3.68	0.69	7.48	6.61	100.00
5.58	2.92	26.26	9.86	3.55	1.03	8.49	7.82	100.00

## District-wise breakup

Sl. No.	Code	Name of Industry	No.		
			Tri- van- drum	Qui- lon	Alle- ppey
(1)	(2)	(3)	(4)	(5)	(6)
1	40	Electricity	1	..	..
2	200	Slaughtering and preparation of meat	..	..	..
3	201	Manufacture of Dairy Products	1	..	..
4	202	Canning of fruits and vegetables	..	..	2
5	203	Canning of fish and similar foods	..	4	10
6	204	Grain mills products	..	..	2
7	205	Manufacture of Bakery Products	..	..	..
8	206	Manufacture and refining of sugar	..	..	2
9	209	Manufacture of cocoa and confectionary	..	..	..
10	210	Manufacture of Hydrogenated Oils	..	..	..
11	211	Manufacture of other edible oils	..	8	10
12	212	Tea Processing	5	5	..
13	213	Coffee curing	..	..	..
14	214	Cashewnut processing	15	246	6
15	215	Manufacture of Ice	..	..	..
16	216	Manufacture of Animal Feeds	..	..	..
17	217	Manufacture of Starch	..	2	..
18	219	Manufacture of Food Products—others	..	2	2
19	220	Distilling and Rectifying of Spirits	..	..	..
20	222	Malt liquors and Malt	..	..	1
21	223	Production of country liquors	..	..	..
22	224	Soft Drinks and water	..	..	..
23	226	Manufacture of Beedi	..	..	..
24	227	Manufacture of cigars and cigarettes	..	..	..
25	229	Manufacture of tobacco products—others	..	..	..
26	230	Cotton ginning and cleaning	..	..	..
27	231	Cotton spinning and weaving—mills	3	1	1
28	232	Cotton Printing and Dying	..	..	..
29	235	Weaving and finishing cotton—Handlooms	3	..	..
30	236	Weaving cotton—Powerlooms	1	..	..
31	239	Cotton textiles—others	..	..	..
32	247	Spinning and Weaving Nylons	..	..	1
33	260	Knitting Mills	..	..	..

D

1973-74

Census part and Sample part  
combined

of Industries

of Industries under Factory Sector

Kottayam	Idukki	Erana- kulam	Tri- chur	Pal- ghat	Mala- ppu ram	Kozhi- kode	Canna- nore	Total
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
..	1	2	1	..	..	..	..	6
..	..	2	..	..	..	..	..	2
..	..	2	..	..	..	2	..	5
2	..	..	4	..	..	..	..	8
..	..	36	..	..	..	3	3	56
..	..	1	14	50	4	1	2	74
..	..	1	..	..	..	..	2	3
..	..	..	..	1	..	..	..	3
2	..	..	..	..	..	..	..	2
..	..	1	..	..	..	1	..	2
..	..	8	26	9	2	..	..	63
4	81	..	1	2	2	7	7	114
1	..	..	..	..	..	4	1	6
..	..	1	6	..	..	2	4	280
..	..	2	..	..	..	2	..	4
..	..	..	1	..	..	..	..	1
..	..	..	1	..	2	..	..	5
..	..	3	..	..	..	..	..	7
..	..	..	2	..	..	..	..	2
..	..	..	..	..	..	..	..	1
..	..	..	..	1	..	..	..	1
..	..	1	..	..	..	..	..	1
..	..	..	2	4	..	..	2	8
..	..	..	..	..	..	2	..	2
..	..	..	..	..	..	..	1	1
..	..	..	..	2	..	..	..	2
1	..	5	5	2	1	1	4	24
..	..	1	..	..	..	2	3	6
..	..	..	1	..	..	11	85	100
..	..	..	..	..	..	..	15	16
..	..	..	..	..	..	..	2	2
..	..	..	..	..	..	..	1	2
..	..	..	1	..	..	3	2	6

(1)	(2)	(3)	(4)	(5)	(6)
34	261	Manufacture of ropes, twines and nets	..	..	..
35	262	Embroidery making	..	..	..
36	265	Manufacture of rain coats and hats	..	..	2
37	268	Manufacture of coir and coir products	..	..	57
38	270	Manufacture of veneers and plywood	..	1	2
89	271	Saw Mills	6	32	9
40	272	Manufacture of wooden and cane boxes	..	2	..
41	273	Manufacture of wooden doors and windows	..	2	..
42	274	Manufacture of Bobbins and Blocks	..	2	..
43	276	Manufacture of Furniture and Fixtures	5	..	..
44	279	Manufacture of Bamboo and Cane products	..	..	..
45	280	Manufacture of Paper and Paper Board	..	1	..
46	281	Manufacture of Paper Container and Boxes	..	1	2
47	283	Manufacture of Paper and paper boards others	..	..	..
48	284	Printing and Publishing Newspaper	4	3	..
49	285	Print Bg Books and Journals	5	7	4
50	288	Bookbinding	..	..	..
51	289	Printing Picture and postcard	9	..	2
52	290	Tanning and Curing leather	..	..	..
53	300	Tyre and tube industries	1	..	1
54	301	Manufacture of footwear	..	..	..
55	302	Manufacture of rubber products—others	1	16	5
56	303	Manufacture of Plastic products—others	..	..	..
57	304	Petroleum refineries	..	..	..
58	310	Manufacture of organic chemicals	1	1	..
59	311	Manufacture of fertilizers	1	..	1
60	313	Manufacture of Drugs and Medicines	2	..	4
61	314	Manufacture of Perfumes and Lotions	..	..	..
62	315	Manufacture of Inedible oils	..	..	..
63	316	Manufacture of Turpentine	..	..	..
64	317	Manufacture of Matches	..	2	..
65	318	Manufacture of ammunition and fire work	..	..	..
66	319	Manufacture of Chemical Products—others	..	..	..
67	320	Manufacture of structural clay products	2	41	4
68	321	Manufacture of Glass Products	..	..	1
69	322	Manufacture of Earthenware and Pottery	..	..	..
70	323	Manufacture of Chinaware and Porcelain ware	..	3	..
71	324	Manufacture of cement	..	..	..
72	326	Manufacture of structural stone goods	..	..	..
73	329	Manufacture of Non metallic mineral products	..	1	..
74	330	Iron and steel Industries	..	..	..
75	331	Foundries for casting and forging of iron	..	2	..



(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
..	..	..	1	2	..	3	..	6
..	..	8	2	3	..	1	..	16
..	..	..	2	..	..	..	..	1
..	..	..	2	..	..	..	..	2
..	..	2	4	..	..	5	..	13
..	..	13	3	2	..	10	..	85
3	..	2	4	5	1	10	8	36
12	3	42	53	45	5	97	63	367
6	..	..	6	..	..	..	..	14
..	..	2	..	..	..	..	2	6
..	..	..	7	..	..	..	2	11
..	..	5	4	..	..	2	1	17
..	..	..	..	..	..	..	..	..
..	..	..	..	2	..	1	1	5
..	..	2	2	..	..	2	..	9
..	..	..	..	..	..	..	2	2
2	..	5	1	..	..	7	..	22
7	..	25	2	3	..	4	4	61
..	..	..	2	..	..	..	..	2
2	..	3	15	2	..	8	2	43
..	..	..	2	..	..	..	..	2
5	..	3	..	..	2	2	..	14
6	..	..	..	..	..	..	..	6
30	9	2	14	7	1	11	1	97
2	..	..	2	..	..	..	2	6
..	..	1	..	..	..	..	..	1
1	..	11	..	..	..	4	..	18
5	..	5	..	3	..	2	..	17
1	2	1	13	3	1	3	..	30
..	..	2	..	..	..	3	..	5
..	..	..	..	..	..	..	..	..
..	..	3	2	..	..	..	..	5
..	..	..	4	3	2	..	..	11
..	..	..	2	..	..	..	..	2
2	..	..	..	..	..	..	..	2
2	..	14	136	12	2	20	9	242
..	..	1	..	..	..	..	..	2
..	..	..	..	..	..	..	2	2
..	..	..	..	..	..	3	..	6
2	..	..	..	..	..	..	..	2
..	..	1	..	..	..	1	..	2
..	..	2	..	..	..	2	..	5

(1)	(2)	(3)	(4)	(5)	(6)
76	333	Copper manufacturing	..	..	..
77	335	Aluminium Manufacturing	2	..	..
78	336	Zinc manufacturing	..	..	2
79	339	Non-ferrous metal Industries—others	..	..	..
80	340	Manufacture of metal can and tin plates	..	20	2
81	341	Manufacture of structural metal products	..	3	2
82	342	Manufacture of furniture and fixtures—Metal	..	..	..
83	343	Manufacture of general hardware	..	..	..
84	344	Plating and polishing of metal	..	..	..
85	345	Manufacture of metal utensils and cutlery	3	..	..
86	349	Manufacture of transport equipments	..	..	..
87	350	Agri: Machinery and Parts	..	2	..
88	352	Manufacture of boilers and steam plants	..	..	..
89	353	Industrial machinery for food	..	1	..
90	354	Industrial machinery for textiles	..	..	..
91	356	Manufacture of Non-electrical machinery	..	..	1
92	357	Manufacture of machine tools	1	..	..
93	359	Manufacture of sewing machines	..	1	2
94	360	Manufacture of Electrical apparatus	1	..	3
95	361	Manufacture of Insulated wires	..	1	..
96	362	Manufacture of dry and wet batteries	..	..	..
97	363	Manufacture of Electrical Bulbs and Tubes	..	..	..
98	366	Manufacture of Electronic Computers	..	..	..
99	367	Manufacture of Electronic components	..	..	..
100	369	Manufacture of Electric Machinery—others	..	..	..
101	370	Ship building and Repairing	1	3	..
102	374	Manufacture of Motor Vehicles and Parts	..	..	..
103	375	Manufacture of Motor Cycles and Scooters	2	..	..
104	376	Manufacture of Bycycles and cycle rikshaws	4	2	..
105	378	Manufacture of Bullock carts and Hand carts	..	..	..
106	379	Manufacture of Transport Equipments— others	..	..	..
107	380	Manufacture of medical and Surgical Equipments	1	1	..
108	382	Manufacture of Watches and Clocks	..	..	..
109	386	Manufacture of musical instruments	..	..	..
110	387	Manufacture of pen and pencils	..	2	..
111	389	Manufacture of Ivory goods	..	..	..
112	420	Water works and supply	2	..	..
113	372	Electrical Repair shops	..	..	..
114	973	Repair of motor vehicles	9	2	5
115	979	Repair of Enterprises—others	..	..	..
Total			92	423	148

(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
..	..	2	..	..	..	..	..	2
..	..	2	..	..	..	..	..	4
..	..	3	..	..	..	..	..	5
..	..	..	..	..	..	..	..	..
..	..	17	..	4	..	..	..	43
..	..	3	..	..	..	..	2	10
..	..	3	..	2	..	..	..	5
..	..	5	10	3	2	1	..	21
..	..	1	..	..	..	1	..	2
..	..	1	..	3	1	4	2	14
..	..	2	..	2	..	..	..	4
..	..	2	..	3	..	..	..	7
..	..	..	2	..	..	..	..	2
..	3	..	1	4	..	..	..	9
..	..	..	9	..	..	1	4	14
..	..	..	..	..	..	..	..	1
2	..	4	2	..	..	..	..	9
4	..	3	3	1	1	2	2	19
..	..	3	2	3	..	2	..	14
..	..	2	..	..	..	..	..	3
..	..	2	..	..	..	..	..	2
..	..	1	..	..	..	..	..	1
..	..	..	..	1	..	..	..	1
..	..	2	..	..	..	..	..	2
..	..	4	..	..	..	..	..	4
5	..	19	1	..	..	1	1	31
..	..	..	..	2	..	..	..	2
..	..	..	..	..	..	..	..	2
..	..	..	..	2	..	..	..	8
..	..	2	..	..	..	..	..	2
..	..	2	..	..	..	..	..	2
..	..	1	..	..	..	2	..	5
..	..	2	..	..	..	..	..	2
..	..	2	..	..	..	..	..	2
..	..	..	..	..	..	2	..	4
..	..	..	1	1	..	..	..	2
..	..	..	..	..	..	..	..	2
..	..	..	..	2	..	..	..	2
7	3	12	15	6	6	19	13	97
..	..	..	2	..	..	..	..	2
117	102	323	397	202	35	277	257	2373

## SECTION III

## Economic Indicators—Industry wise.

The economic indicators of industries under the factory sector show that for an output of every Rs. 1,000, input worth Rs. 709 was applied on an average. This is evident from table 15 given below:

The economic indicators of the different industries are furnished in tables 15 (1) to 15 (35).

TABLE 15  
Economic Indicators STATE TOTAL

Sl. No.	Item	Unit	Amount
1	Number of factories reported	No.	2373
2	Fixed capital	Rs. lakhs	40372.19
3	Working Capital	"	12356.01
4(a)	Productive capital (item 2+3)	"	52728.20
(b)	Invested capital	"	54925.14
5	No. of workers	No.	208776
6	Total No. of employees	No.	239297
7	Wages to workers	Rs.lakhs	4679.56
8	Wages and other benefits to all employees	"	7227.90
9	Material input	"	37030.18
10	Total input	"	38848.42
11	Total output	"	52214.57
12	Net output	"	13366.15
13	Ratio of working capital to value of output		0.24
14	Value of material input for output worth Rs. 1000 Rs.		709
15	Net output per person employed	Rs.	5586
16	Percentage of wages etc. to net output		35.01

## 40 Electricity

TABLE 15.1  
Economic Indicators

Sl. No.	Item	Unit	Amount
1	Number of factories reported	No.	6
2	Fixed capital	Rs. lakhs	19833.28
3	Working capital	"	2055.12
4(a)	Productive capital (item 2+3)	"	21888.40
(b)	Invested capital	"	21782.31
5	No. of workers	No.	12978
6	Total No. of employees	No.	18311

Sl. No.	Item	Unit	Amount
7	Wages to workers	Rs. lakhs	590.02
8	Wages and other benefits to all employees	"	1274.36
9	Material input	"	208.94
10	Total input	"	641.89
11	Total output	"	2445.19
12	Net output	"	1803.30
13	Ratio of working capital to value of output	"	0.84
14	Value of material input for output worth		
		Rs. 1000	85
15	Net output per person employed	Rs.	9848
16	Percentage of wages etc. to net output	%	32.71

### 203. Canning Preserving and Processing of Fish and Similar Foods.

TABLE 15.2

#### Economic Indicators

Sl. No.	Item	Unit	Amount
1	Number of factories reported	No.	56
2	Fixed capital	Rs. lakhs	352.69
3	Working capital	"	334.15
4	(a) Productive capital (item 2+3)	"	686.84
	(b) Invested capital	"	572.92
5	No. of workers	No	2386
6	Total No. of employees	No	3285
7	Wages to workers	Rs. lakhs	52.94
8	Wages and other benefits to all employees	"	98.72
9	Material input	"	2151.82
10	Total input	"	2194.63
11	Total output	"	2349.50
12	Net output	"	154.87
13	Ratio of working capital to value of output	"	0.14
14	Value of material input for output worth		
		Rs. 1000	916
15	Net output per person employed	Rs.	4714
16	Percentage of wages etc. to net output	%	34.18

## 204. Grain mill products

TABLE 15.3  
Economic Indicators

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1	Number of factories reported	No.	76
2	Fixed capital	Rs. lakhs	57.95
3	Working capital	"	15.84
4(a)	Productive capital (Item 2+3)	"	73.79
(b)	Invested capital	"	75.10
5	No. of workers	No.	546
6	Total No. of employees	No.	702
7	Wages to workers	Rs. lakhs	10.25
8	Wages and other benefits to all employees	"	14.90
9	Material input	"	395.27
10	Total input	"	400.38
11	Total output	"	440.62
12	Net output	"	40.24
13	Ratio of working capital to value of output	"	0.04
14	Value of material input for output worth	Rs. 1000	
15	Net output per person employed	Rs.	897
16	Percentage of wages etc. to net output	%	5732 25.47

## 211. Manufacture of other edible oils

TABLE 15.4  
Economic Indicators

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
i	Number of factories reported	No.	63
2	Fixed capital	Rs. lakhs	34.54
3	Working capital	"	78.33
4	(a) Productive capital (item 2+3)	"	112.87
(b)	Invested capital	"	131.45
5	No. of workers	No.	545
6	Total No. of employees	No.	784
7	Wages to workers	Rs. lakhs	10.65
8	Wages and other benefits to all employees	"	18.11
9	Material input	"	1424.34
10	Total input	"	1427.50
11	Total output	"	1571.77

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
12	Net output	Rs. lakhs	144.27
13	Ratio of working capital to value of output		0.05
14	Value of material input for output worth Rs. 1000	Rs.	906
15	Net output per person employed	Rs.	18401
16	Percentage of wages etc. to net output	%	73.82

## 212. Tea Processing

TABLE 15.5

### Economic Indicators

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1	Number of factories reported	No.	116
2	Fixed capital	Rs. lakhs	441.03
3	Working capital	"	176.04
4	(a) Productive capital (Item 2+3)	"	617.07
	(b) Invested capital	"	595.13
5	No. of workers	No.	5001
6	Total No. of employees	No.	5656
7	Wages to workers	Rs. lakhs	71.53
8	Wages and other benefits to all employees	"	119.11
9	Material input	"	1804.39
10	Total input	"	1847.10
11	Total output	"	2340.79
12	Net output	"	493.69
13	Ratio of working capital to value of output	"	0.08
14	Value of material input for output worth Rs. 1000	Rs.	771
15	Net output per person employed	Rs.	8729
16	Percentage of wages etc. to net output	%	14.49

## 214 Cashewnut Processing

TABLE 15.6  
Economic Indicators

Sl. No.	Item	Unit	Amount
1	Number of factories reported	No.	282
2	Fixed capital	Rs. lakhs	162.96
3	Working capital	"	799.04
4	(a) Productive capital (item 2+3)	"	962.00
	(b) Invested capital	"	1358.17
5	No. of workers	No.	99996
6	Total No. of employees	No.	103026
7	Wages to workers	Rs. lakhs	719.10
8	Wages and other benefits to all employees	"	810.10
9	Material input	"	4389.31
10	Total input	"	4407.07
11	Total output	"	5725.85
12	Net output	"	1319.78
13	Ratio of working capital to value of output	"	0.14
14	value of material input for output worth Rs. 1000	Rs.	767
15	Net output per person employed	Rs.	1281
16	Percentage of wages etc. to net output	%	54.49

## 217. Manufacture of Starch

TABLE 15.7  
Economic Indicators

Sl. No.	Item	Unit	Amount
1	Number of factories reported	No.	5
2	Fixed capital	Rs. lakhs	92.06
3	Working capital	"	246.10
4	(a) Productive capital (item 2+3)	"	338.16
	(b) Invested capital	"	249.75
5	No. of workers	No.	433
6	Total No. of employees	No.	580
7	Wages to workers	Rs. lakhs	15.60
8	Wages and other benefits to all employees	"	24.05



Sl. No.	Item	Unit	Amount
9	Material input	Rs. lakhs	433.79
10	Total input	"	442.81
11	Total output	"	544.49
12	Net output	"	101.68
13	Ratio of working capital to value of output		0.45
14	Value of material input for output worth Rs. 1,000	Rs.	797
15	Net output per person employed	Rs.	17521
16	Percentage of wages etc. to net output	%	15.34

## 226 Manufacture of Beedi

TABLE 15.8  
Economic Indicators

Sl. No.	Item	Unit	Amount
1	Number of factories reported	No.	8
2	Fixed capital	Rs. lakhs	9.82
3	Working capital	"	1.15
4	(a) Productive capital (item 2+3)	"	10.97
	(b) Invested capital	"	23.46
5	No. of workers	No.	556
6	Total No. of employees	No.	622
7	Wages to workers	Rs. lakhs	14.08
8	Wages and other benefits to all employees	"	17.46
9	Material input	"	547.15
10	Total input	"	547.82
11	Total output	"	692.67
12	Net output	"	144.85
13	Ratio of working capital to value of output	"	0.02
14	Value of material input for output worth Rs 1,000	Rs.	790.00
15	Net output per person employed	Rs.	26052
16	Percentage of wages etc. to net output	%	9.72

## 231. Cotton Spinning and Weaving in Mills

TABLE 15.9

## Economic Indicators

Sl. No.	Item	Unit	Amount
1	Number of factories reported	No.	24
2	Fixed capital	Rs. lakhs	903.91
3	Working capital	"	433.53
4	(a) Productive capital (item 2+3)	"	1337.44
	(b) Invested capital	"	1686.30
5	No. of workers	No.	10512
6	Total No. of employees	No.	11470
7	Wages to workers	Rs lakhs	444.79
8	Wages and other benefits to all employees	"	518.98
9	Material input	"	2199.45
10	Total input	"	2306.71
11	Total output	"	3506.93
12	Net output	"	1200.22
13	Ratio of working capital to value of output		0.26
14	Value of material input for output worth Rs. 1000	Rs.	627
15	Net output per person employed	Rs.	10464
16	Percentage of wages etc. to net output	%	37.06

## 235. Weaving and Finishing of Cotton in Handlooms

TABLE 15.10

## Economic Indicators

Sl. No.	Item	Unit	Amount
1	Number of factories reported	No.	100
2	Fixed capital	Rs. lakhs	50.81
3	Working capital	"	135.34
4	(a) Productive capital (Item 2+3)	"	186.15
	(b) Invested Capital	"	152.17
5	No. of workers	No.	4821
6	Total No. of employees	No.	5463
7	Wages to workers	Rs. lakhs	116.81

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
8	Wages and other benefits to all employees	Rs. lakhs	139.27
9	Material input	"	620.92
10	Total input	"	625.68
11	Total output	"	865.28
12	Net output	"	239.60
13	Ratio of working capital to value of output	"	0.16
14	Value of material input for output worth Rs. 1,000	Rs.	718
15	Net output per person employed	Rs.	4386
16	Percentage of wages etc. to net output	%	48.75

### 268. Manufacture of Coir and Coir Products

TABLE 15.11

#### Economic Indicators

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1	Number of factories reported	No.	84
2	Fixed capital	Rs. lakhs	84.17
3	Working Capital	"	201.49
4	(a) Productive capital (Item 2+3)	"	285.66
	(b) Invested capital	"	334.16
5	No. of workers	No.	2810
6	Total No. of employees	No.	3391
7	Wages to workers	Rs. lakhs	72.03
8	Wages and other benefits to all employees	"	100.57
9	Material input	"	924.25
10	Total input	"	930.78
11	Total output	"	1085.56
12	Net output	"	154.78
13	Ratio of working capital to value of output	"	0.19
14	Value of material input for output worth Rs. 1,000	Rs.	851
15	Net output per person employed	Rs.	4564
16	Percentage of wages etc. to net output	%	46.53

## 270. Manufacture of Veneers and Plywood.

TABLE 15.12

## Economic Indicators

Sl. No.	Item	Unit	Amount
1	Number of factories reported	No.	36
2	Fixed capital	Rs. lakhs	217.48
3	Working capital	"	218.04
4	(a) Productive capital (Item 2+3)	"	435.52
	(b) Invested capital	"	388.23
5	No. of workers	No.	2740
6	Total No. of employees	No.	3316
7	Wages to workers	Rs. lakhs	75.42
8	Wages and other benefits to all employees	"	112.70
9	Material input	"	481.51
10	Total input	"	504.99
11	Total output	"	733.50
12	Net output	"	228.51
13	Ratio of working capital to value of output		0.30
14	Value of material input for output worth Rs. 1,000	Rs.	656
15	Net output per person employed	Rs.	6891
16	Percentage of wages etc. to net output	%	33.01

## 271. Sawing and Planning of Wood

TABLE 15.13

## Economic Indicators

Sl. No.	Item	Unit	Amount
1	Number of factories reported	No.	367
2	Fixed capital	Rs.	136.37
3	Working capital	"	137.34
4	(a) Productive capital (Item 2+3)	"	273.71
	(b) Invested capital	"	224.92
5	No. of workers	No.	6680
6	Total No. of employees	No.	7800
7	Wages to workers	Rs. lakhs	92.09

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
8	Wages and other benefits to all employees	Rs. lakhs	116.98
9	Material input	"	439.98
10	Total input	"	452.38
11	Total output	"	631.43
12	Net output	"	179.05
13	Ratio of working capital to value of output	"	0.22
14	Value of material input for output worth Rs. 1,000	Rs.	697
15	Net output per person employed	Rs.	2296
16	Percentage of wages etc. to net output	%	51.43

## 276. Manufacture of wooden furniture and fixtures

TABLE 15.14

### Economic Indicators

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1.	Number of factories reported	No.	21
2.	Fixed capital	Rs. Lakhs	20.04
3.	Working capital	"	31.38
4.	(a) Productive capital (Item 2+3)	"	51.42
	(b) Invested capital	"	58.56
5.	No. of workers	No.	725
6.	Total No. of employees	No.	921
7.	Wages to workers	Rs. Lakhs	22.21
8.	Wages and other benefits to all employees	"	30.53
9.	Material input	"	40.43
10.	Total input	"	41.94
11.	Total output	"	67.45
12.	Net output	"	23.51
13.	Ratio of working capital to value of output		0.47
14.	Value of material input for output worth Rs. 1,000	Rs.	599
15.	Net output per person employed	Rs.	2553
16.	Percentage of wages etc. to net output	%	94.47

## 280. Manufacture of Paper and Paper Board

TABLE 15.15

## Economic Indicators

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1.	Number of factories reported	No.	5
2.	Fixed capital	Rs. Lakhs	638.04
3.	Working capital	"	436.63
4.	(a) Productive capital (Item 2+3)	"	1074.67
	(b) Invested capital	"	1069.33
5.	No. of workers	No.	2626
6.	Total No. of employees	No.	3159
7.	Wages to workers	Rs. Lakhs	157.86
8.	Wages and other benefits to all employees	"	250.38
9.	Material input	"	840.69
10.	Total input	"	918.24
11.	Total output	"	1569.50
12.	Net output	"	651.26
13.	Ratio of working capital to value of output		0.28
14.	Value of material input for output worth Rs. 1,000	Rs.	536
15.	Net output per person employed	Rs.	20616
16.	Percentage of wages etc. to net output	%	24.23

## 284. Printing and Publishing of News Paper

TABLE 15.16

## Economic Indicators

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1.	Number of factories reported	No.	22
2.	Fixed capital	Rs. Lakhs	154.24
3.	Working capital	"	150.53
4.	(a) Productive capital (Item 2+3)	"	304.77
	(b) Invested capital	"	206.12
5.	No. of workers	No.	1023
6.	Total No. of employees	No.	1838
7.	Wages to workers	Rs. Lakhs	47.90

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
8.	Wages and other benefits to all employees	Rs. lacs	103.68
9.	Material input	"	378.13
10.	Total input	"	396.42
11.	Total output	"	572.47
12.	Net output	"	176.05
13.	Ratio of working capital to value of output		0.26
14.	Value of material input for output worth Rs. 1,000	Rs.	661
15.	Net output per person employed	Rs.	9578
16.	Percentage of wages etc. to net output	%	27.21

## 285. Printing and Publishing of Books and Journals

TABLE 15.17

### Economic Indicators

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1.	Number of factories reported	No.	61
2.	Fixed capital	Rs. Lakhs	135.59
3.	Working capital	"	32.57
4.	(a) Productive capital (Item 2+3)	"	168.16
	(b) Invested capital	"	164.09
5.	No. of workers	No.	2125
6.	Total No. of employees	No.	2571
7.	Wages to workers	Rs. Lakhs	82.91
8.	Wages and other benefits to all employees	"	104.12
9.	Material input	"	126.21
10.	Total input	"	139.36
11.	Total output	"	202.22
12.	Net output	"	62.86
13.	Ratio of working capital to value of output		0.16
14.	Value of material input for output worth Rs. 1,000	Rs.	624
15.	Net output per person employed	Rs.	2445
16.	Percentage of wages etc. to net output	%	131.90

## 289. Printing and Publishing of Picture and Post Card

TABLE 15.18

## Economic Indicators

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1.	Number of factories reported	No.	43
2.	Fixed capital	Rs. lakhs	35.96
3.	Working capital	"	28.95
4.	(a) Productive capital (Item 2+3)	"	114.91
	(b) Invested capital	"	112.37
5.	No. of workers	No.	1132
6.	Total No. of employees	No.	1430
7.	Wages to workers	Rs. lakhs	35.55
8.	Wages and other benefits to all employees	"	46.60
9.	Material input	"	167.13
10.	Total input	"	172.16
11.	Total output	"	235.46
12.	Net output	"	63.30
13.	Ratio of working capital to value of output	"	0.12
14.	Value of material input for output worth Rs. 1000	Rs.	710
5.	Net output per person employed	Rs.	4427
6.	Percentage of wages etc. to net output	%	56.16

## 300. Tyre and Tube Industries

TABLE 15.19

## Economic Indicators

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1.	Number of factories reported	No.	14
2.	Fixed capital	Rs. lakhs	186.12
3.	Working capital	"	125.37
4.	(a) Productive capital (Item 2+3)	"	311.49
	(b) Invested capital	"	345.04
5.	No. of workers	No.	921
6.	Total No. of employees	No.	1300
7.	Wages to workers	Rs. lakhs	29.26
8.	Wages and other benefits to all employees	"	50.74



<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
9.	Material input	Rs. lakhs	1087.18
10.	Total input	"	1107.71
11.	Total output	"	1531.69
12.	Net output	"	423.98
13.	Ratio of working capital to value of output	"	0.82
14.	Value of material input for output worth Rs. 1000	Rs.	710
15.	Net output per person employed	Rs.	3261
16.	Percentage of wages etc. to net output	%	6.90

### 302. Manufacture of Rubber Products not elsewhere classified

TABLE 15.20

#### Economic Indicators

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1.	Number of factories reported	No.	97
2.	Fixed capital	Rs. lakhs	336.99
3.	Working capital	"	175.95
4.	(a) Productive capital (Item 2+3)	"	512.94
	(b) Invested capital	"	537.57
5.	No. of workers	No.	2912
6.	Total No. of employees	No.	3599
7.	Wages to workers	Rs. lakhs	77.92
8.	Wages and other benefits to all employees	"	116.65
9.	Material input	"	1079.96
10.	Total input	"	1116.03
11.	Total output	"	1411.92
12.	Net output	"	295.89
13.	Ratio of working capital to value of output	"	0.12
14.	Value of material input for output worth Rs. 1000	Rs.	765
15.	Net output per person employed	Rs.	8221
16.	Percentage of wages etc. to net output	%	26.33

### 310. Manufacture of Basic Industrial Organic and Inorganic Chemicals

TABLE 15.21  
Economic Indicators

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1.	Number of factories reported	No.	18
2.	Fixed capital	Rs. lakhs	1573.94
3.	Working capital	"	551.84
4.	(a) Productive capital (Item 2+3)	"	2125.78
	(b) Invested capital	"	2165.80
5.	No. of workers	No.	1774
6.	Total No. of employees	No.	2715
7.	Wages to workers	Rs. lakhs	147.20
8.	Wages and other benefits to all employees	"	261.36
9.	Material input	"	927.58
10.	Total input	"	1034.51
11.	Total output	"	1560.86
12.	Net output	"	526.35
13.	Ratio of working capital to value of output		0.53
14.	Value of material input for output worth Rs. 1000	Rs.	594
15.	Net output per person employed	Rs.	19387
16.	Percentage of wages etc. to net output	%	27.96

### 311. Manufacture of Fertilizers and Pesticides

TABLE 15.22

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1.	Number of factories reported	No.	17
2.	Fixed capital	Rs. lakhs	7716.71
3.	Working capital	"	646.86
4.	(a) Productive capital (Item 2+3)	"	8263.57
	(b) Invested capital	"	8898.06
5.	No. of workers	No.	3261
6.	Total No. of employees	No.	4811
7.	Wages to workers	Rs. lakhs	297.31
8.	Wages and other benefits to all employees	"	537.33

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
9.	Material input	Rs. lakhs	2004.99
10.	Total input	"	2213.42
11.	Total output	"	3639.56
12.	Net output	"	1426.14
13.	Ratio of working capital to value of output		0.18
14.	Value of material input for output worth Rs. 1000	Rs.	551
15.	Net output per person employed	Rs.	29643
16.	Percentage of wages etc. to net output	%	20.85

### 313. Manufacture of Drugs and Medicines

TABLE 15.23

#### Economic Indicators

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1.	Number of factories reported	No.	30
2.	Fixed capital	Rs. lakhs	94.46
3.	Working capital	"	111.74
4.	(a) Productive capital (Item 2+3)	"	206.20
	(b) Invested capital	"	219.03
5.	No. of workers	"	1011
6.	Total No. of employees	No.	1367
7.	Wages to workers	No.	31.33
8.	Wages and other benefits to all employees	Rs. lakhs	49.13
9.	Material input	"	246.59
10.	Total input	"	253.79
11.	Total output	"	401.39
12.	Net output	"	147.60
13.	Ratio of working capital to value of output		0.27
14.	Value of material input for output worth Rs. 1000	Rs.	614
15.	Net output per person employed	Rs.	10797
16.	Percentage of wages etc. to net output	%	21.23

**314. Manufacture of Perfumes and Lotions**

TABLE 15.24

**Economic Indicators**

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1.	Number of factories reported	No.	5
2.	Fixed capital	Rs. lakhs	123.22
3.	Working capital	"	468.71
4.	(a) Productive capital (Item 2+3)	"	591.93
	(b) Invested capital	"	583.38
5.	No. of workers	No.	989
6.	Total No. of employees	No.	1289
7.	Wages to workers	Rs. lakhs	65.74
8.	Wages and other benefits to all employees	Rs.	138.53
9.	Material input	"	1533.79
10.	Total input	"	1558.65
11.	Total output	"	1952.21
12.	Net output	"	393.56
13.	Ratio of working capital to value of output		0.24
14.	Value of material input for output worth Rs. 1000	Rs.	786
15.	Net output per person employed	Rs.	30532
16.	Percentage of wages etc. to net output	%	16.70

**320. Manufacture of Structural Clay Products**

TABLE 15.25

**Economic Indicators**

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1.	Number of factories reported	No.	242
2.	Fixed capital	Rs. lakhs	276.55
3.	Working capital	"	190.23
4.	(a) Productive capital (Item 2+3)	"	466.78
	(b) Invested capital	"	468.84
5.	No. of workers	No.	12587
6.	Total No. of employees	No.	13923
7.	Wages to workers	Rs. lakhs	260.02
8.	Wages and other benefits to all employees	"	302.24
9.	Material input	"	327.91
10.	Total input	"	353.07
11.	Total output	"	756.03
12.	Net output	"	402.94
13.	Ratio of working capital to value of output		0.25
14.	Value of material input for output worth Rs. 1000	Rs.	434
15.	Net output per person employed	Rs.	2894
16.	Percentage of wages etc. to net output	%	64.53

## 330. Iron and Steel Industries

TABLE 15.26  
Economic Indicators

Sl. No.	Item	Unit	Amount
1.	Number of factories reported	No.	6
2.	Fixed capital	Rs. lakhs	55.42
3.	Working capital	"	30.24
4.	(a) Productive capital (Item 2+3)	"	85.66
	(b) Invested capital	"	157.79
5.	No. of workers	No.	373
6.	Total No. of employees	No.	4460
7.	Wages to workers	Rs. lakhs	13.36
8.	Wages and other benefits to all employees	"	22.09
9.	Material input	"	356.28
10.	Total input	"	361.70
11.	Total output	"	408.73
12.	Net output	"	47.03
13.	Ratio of working capital to value of output		0.07
14.	Value of material input for output worth Rs. 1000	Rs.	872
15.	Net output per person employed	Rs.	1054
16.	Percentage of wages etc. to net output	%	23.41

## 335. Aluminium Manufacturing

TABLE 15.27  
Economic Indicators

Sl. No.	Item	Unit	Amount
1.	Number of factories reported	No.	4
2.	Fixed capital	Rs. lakhs	327.33
3.	Working capital	"	35.63
4.	(a) Productive capital (Item 2+3)	"	362.96
	(b) Invested capital	"	445.53
5.	No. of workers	No.	757
6.	Total No. of employees	No.	1105
7.	Wages to workers	Rs. lakhs	67.72
8.	Wages and other benefits to all employees	"	138.41
9.	Material input	"	950.84
10.	Total input	"	990.43
11.	Total output	"	1038.55
12.	Net output	"	98.12
13.	Ratio of working capital to value of output		0.03
14.	Value of material input for output worth Rs. 1000	Rs.	873
15.	Net output per person employed	Rs.	8880
16.	Percentage of wages etc. to net output	%	89.40

## 336. Zinc Manufacturing

TABLE 15.28  
Economic Indicators

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1.	Number of factories reported	No.	5
2.	Fixed capital	Rs. lakhs	349.40
3.	Working capital	"	121.65
4.	(a) Productive capital (Item 2+3)	"	471.05
	(b) Invested capital	"	671.53
5.	No. of workers	No.	344
6.	Total No. of employees	No.	475
7.	Wages to workers	Rs. lakhs	22.23
8.	Wages and other benefits to all employees	"	40.29
9.	Material input	"	437.86
10.	Total output	"	471.85
11.	Total input	"	554.95
12.	Net output	"	83.10
13.	Ratio of working capital to value of output	"	0.22
14.	Value of material input for output worth Rs. 1000	Rs.	789
15.	Net output per person employed	Rs.	17495
16.	Percentage of wages etc. to net output	%	26.75

## 340. Manufacture of Fabricated Metal Products such as Metal Cans and Tin Plates

TABLE 15.29  
Economic Indicators

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1.	Number of factories reported	No.	43
2.	Fixed capital	Rs. lakhs	164.13
3.	Working capital	"	200.01
4.	(a) Productive capital (Item 2+3)	"	364.14
	(b) Invested capital	"	341.59
5.	No. of workers	No.	848
6.	Total No. of employees	No.	1102
7.	Wages to workers	Rs. lakhs	30.82

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
8.	Wages and other benefits to all employees	Rs. lakhs	48.69
9.	Material input	"	540.53
10.	Total input	"	550.29
11.	Total output	"	649.91
12.	Net output	"	99.62
13.	Ratio of working capital to value of output	"	0.31
14.	Value of material input for output worth Rs. 1000	Rs.	832
15.	Net output per person employed	Rs.	9040
16.	Percentage of wages etc. to net output	%	30.93

### 343. Manufacture of Hand Tools and General Hardware

TABLE 15.30  
Economic Indicators

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1.	Number of factories reported	No.	21
2.	Fixed capital	Rs. lakhs	30.20
3.	Working capital	"	17.70
4.	(a) Productive capital (Item 2+3)	"	47.90
	(b) Invested capital	"	83.86
5.	No. of workers	No.	730
6.	Total No. of employees	No.	870
7.	Wages to workers	Rs. lakhs	18.26
8.	Wages and other benefits to all employees	"	23.29
9.	Material input	"	149.11
10.	Total input	"	152.55
11.	Total output	"	185.85
12.	Net output	"	43.30
13.	Ratio of working capital to value of output	"	0.10
14.	Value of material input for output worth Rs. 1000	Rs.	802
15.	Net output per person employed	Rs.	4977
16.	Percentage of wages etc. to net output	%	42.17

357. **Manufacture of Machine Tools**

TABLE 15.31

**Economic Indicators**

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1.	Number of factories reported	No.	9
2.	Fixed capital	Rs. lakhs	602.41
3.	Working capital	"	189.19
4.	(a) Productive capital (Item 2+3)	"	791.60
	(b) Invested capital	"	905.16
5.	No. of workers	No.	1564
6.	Total No. of employees	No.	2360
7.	Wages to workers	Rs. lakhs	81.61
8.	Wages and other benefits to all employees	"	176.18
9.	Material input	"	261.71
10.	Total input	"	302.21
11.	Total output	"	352.23
12.	Net output	"	50.07
13.	Ratio of working capital to value of output		0.54
14.	Value of material input for output worth Rs. 1000	Rs.	743
15.	Net output per person employed	Rs.	2122
16.	Percentage of wages etc. to net output	%	162.99

360. **Manufacture of Electrical Industrial Machinery and Apparatus and Parts**

TABLE 15.32

**Economic Indicators**

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1.	Number of factories reported	No.	13
2.	Fixed capital	Rs. lakhs	350.31
3.	Working capital	"	268.66
4.	(a) Productive capital (Item 2+3)	"	618.97
	(b) Invested capital	"	689.20
5.	No. of workers	No.	201
6.	Total No. of employees	No.	1661



<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
7.	Wages to workers	Rs. lakhs	58.23
8.	Wages and other benefits to all employees	"	106.74
9.	Material input	"	372.46
10.	Total input	"	398.50
11.	Total output	"	602.39
12.	Net output	"	203.89
13.	Ratio of working capital to value of output	"	0.45
14.	Value of material input for output worth Rs. 1000	Rs.	618
15.	Net output per person employed	Rs.	12275
16.	Percentage of wages etc. to net output	%	28.56

### 361. Manufacture of Insulated Wires and Cables

TABLE 15.33

#### Economic Indicators

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1.	Number of factories reported	No.	3
2.	Fixed capital	Rs. lakhs	340.42
3.	Working capital	"	288.88
4.	(a) Productive capital (Item 2+3)	"	629.30
	(b) Invested capital	"	713.63
5.	No. of workers	No.	769
6.	Total No. of employees	No.	1210
7.	Wages to workers	Rs. lakhs	41.93
8.	Wages and other benefits to all employees	"	96.31
9.	Material input	"	784.41
10.	Total input	"	805.77
11.	Total output	"	930.01
12.	Net output	"	124.24
13.	Ratio of working capital to value of output	"	0.31
14.	Value of material input for output worth Rs. 1000	Rs.	843
15.	Net output per person employed	Rs.	10268
16.	Percentage of wages etc. to net output	%	33.75

## 370. Ship Building and Repairing

TABLE 15.34

## Economic Indicators

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1.	Number of factories reported	No.	26
2.	Fixed capital	Rs. lakhs	39.15
3.	Working capital	"	33.08
4.	(a) Productive capital (Item 2+3)	"	72.23
	(b) Invested capital	"	119.27
5.	No. of workers	No.	1832
6.	Total No. of employees	No.	2119
7.	Wages to workers	Rs. lakhs	77.17
8.	Wages and other benefits to all employees	"	93.29
9.	Material input	"	84.26
10.	Total input	"	87.55
11.	Total output	"	171.50
12.	Net output	"	83.95
13.	Ratio of working capital to value of output	"	0.19
14.	Value of material input for output worth Rs. 1000	Rs.	491
15.	Net output per person employed	Rs.	3962
16.	Percentage of wages etc. to net output	%	91.92

## 973. Repair of Motor Vehicles

TABLE 15.35

## Economic Indicators

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
1.	Number of factories reported	No.	97
2.	Fixed capital	Rs. lakhs	130.79
3.	Working capital	"	48.57
4.	(a) Productive capital (Item 2+3)	"	179.36
	(b) Invested capital	"	154.26
5.	No. of workers	No.	3814
6.	Total No. of employees	No.	4418

<i>Sl. No.</i>	<i>Item</i>	<i>Unit</i>	<i>Amount</i>
7.	Wages to workers	Rs. lakhs	155.23
8.	Wages and other benefits to all employees	"	183.31
9.	Material input	"	373.95
10.	Total input	"	386.02
11.	Total output	"	614.43
12.	Net output	"	223.41
13.	Ratio of working capital to value of output		0.08
14.	Value of material input for output worth Rs. 1000	Rs.	609
15.	Net output per person employed	Rs.	5170
16.	Percentage of wages etc. to net output	%	67.96

#### SECTION IV

##### Major Industrial Characteristics—District-wise

Summary of the Important Industrial Characteristics of the Districts

1. No. of industries arranged in the descending order.
2. Industries arranged according to productive capital in the descending order
3. Do. fixed capital do.
4. Do. Working capital do.
5. Do. Invested capital do.
6. Do. Loan outstanding do.
7. Do. to the No. of workers and total employees do
8. Do. the wages of workers and total emoluments.
9. Do. Total input
10. Do. Total output
11. Do. Net output or value added

TABLE 16  
Summary of the important Characteristics of the District

Sl. No.	Items	Unit	State Total		District Total		Total	Percentage of District Censuses Total to State	Percentage of District Non Censuses Total to State	Percentage of District Censuses Total to State	
			Censuses	Non censuses	Censuses	Non censuses					
1.	No. of Factories reported	No.	899	1474	2373	50	42	92	5.56	2.84	3.88
2.	Fixed Capital	Rs. in lakhs	38757.53	1614.66	40372.19	21066.04	74.42	21140.46	54.35	4.60	52.37
3.	Working capital	"	11252.85	1103.16	12356.01	2346.43	77.81	2424.24	20.85	7.06	19.62
4.	Productive Capital	"	50910.38	2717.82	52728.20	23412.47	152.23	23564.70	46.82	5.61	44.68
5.	Invested Capital	"	52105.25	2819.89	54925.14	23417.44	115.72	23533.16	44.94	4.11	42.84
6.	Loans Outstanding	"	39691.80	1314.69	41006.49	22498.21	34.89	22532.90	56.68	2.63	54.94
7.	No. of Workers	No.	176688	32088	208776	22324	1450	23784	12.68	4.54	11.39
8.	Total No. of Employees	"	201543	37754	239297	28845	1670	30515	14.32	4.42	12.65
9.	Wages to Workers	Rs. in lakhs	4110.21	569.35	4679.56	873.48	32.91	906.39	21.25	5.78	19.36
10.	Wages & other benefits to employees	"	6457.88	770.02	7227.90	1642.67	54.98	1697.65	25.43	7.15	23.48
11.	Material Input	"	30212.13	6818.05	37030.18	1180.63	76.52	1257.15	3.91	1.12	3.39
12.	Total Input	"	31875.75	6972.67	38848.42	1661.57	82.62	1744.18	5.21	1.13	4.48
13.	Total Output	"	43599.56	8615.01	52214.57	3921.23	123.69	4044.91	8.99	1.43	7.75
14.	Net Output	"	11723.81	1642.34	13366.15	2259.66	41.07	2300.73	19.27	2.51	17.22

TRIVANDRUM

TABLE 16.1

TRIVANDRUM

## Arrangement of Industries according to No. of Units

Sl. No.	Code	Name of Industry	No. of units reported
1.	214	Cashewnut processing	15
2.	289	Printing of picture and post card	9
3.	973	Repair of motor vehicles	9
4.	271	Saw mills	6
5.	212	Tea processing	5
6.	276	Wooden furniture and fixtures	5
7.	285	Printing of Books and Journals	5
8.	284	Printing and Publishing of Newspapers	4
9.	376	Manufacture of Bicycles and Rickshaws	4
10.	231	Weaving and Spinning of cotton—Mills	3
11.	235	Do. Handloom	3
12.	345	Metal utensils and cutlery	3
13.		Other Industries	21
Total			92

TABLE 16.2

TRIVANDRUM

## Arrangement of Industries according to Productive Capital

Sl. No.	Code	Name of Industry	Productive capital Rs. in lakhs
1.	231	Spinning and Weaving of Cotton—Mills	120.67
2.	285	Printing of Books and Journals	81.41
3.	376	Manufacture of Bicycle and Cycle Rickshaws	56.51
4.	284	Printing and Publishing of Newspapers	48.42
5.	212	Tea Processing	41.81
6.	973	Repair of motor vehicles	41.81
7.	276	Wooden furniture and fixtures	37.26
8.	289	Printing of picture and post cards	30.27
9.	214	Cashewnut processing	29.63
10.	345	Metal utensils and cutlery	10.28
11.	271	Saw Mills	2.47
12.	235	Weaving and Spinning of cotton—Handlooms	1.76
13.		Other Industries	23062.40
Total			23564.70

TABLE 16.3

TRIVANDRUM

## Arrangement of Industries according to fixed capital

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Fixed capital Rs. in lakhs</i>
1.	231	Weaving and Spinning of Cotton—Mills	55.74
2.	285	Printing of Books and Journals	53.54
3.	284	Printing and Publishing of Newspapers	39.62
4.	973	Repair of Motor Vehicles	37.51
5.	212	Tea Processing	34.97
6.	289	Printing of Picture and Post card	16.51
7.	376	Manufacture of Bicycle and Rickshaws	16.47
8.	276	Wooden furniture and fixtures	13.43
9.	214	Cashewnut processing	7.12
10.	345	Metal utensils and cutlery	2.61
11.	235	Weaving and spinning of Cotton—Handlooms	1.57
12.	271	Do. Saw mills	1.40
13.		Other Industries	20859.87
Total			21140.46

TABLE 16.4

TRIVANDRUM

## Arrangement of Industries according to Working Capital

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Working Capital Rs. in lakhs</i>
1.	231	Weaving and Spinning of Cotton—Mills	64.93
2.	376	Manufacture of Bicycles and Rickshaws	40.04
3.	285	Printing of Books and Journals	27.87
4.	276	Wooden furniture and fixtures	23.33
5.	214	Cashewnut processing	22.51
6.	289	Printing of Picture and post card	13.70
7.	284	Printing and Publishing News papers	8.80
8.	345	Metal utensils and cutlery	7.67
9.	212	Tea processing	6.84
10.	973	Repair of motor vehicles	4.30
11.	271	Saw mills	1.07
12.	235	Weaving and spinning of cotton—Handlooms	0.19
13.		Other Industries	2202.43
Total			2424.24

TABLE 16.5

TRIVANDRUM

## Arrangement of Industries according to Invested Capital

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Invested capital Rs. in lakhs</i>
1.	231	Weaving and Spinning of Cotton—Mills	123.56
2.	285	Printing of Books and Journals	62.00
3.	284	Printing and Publishing of News papers	52.88
4.	214	Cashewnut processing	42.30
5.	212	Tea processing	42.03
6.	376	Manufacture of Bicycles and Rickshaws	40.84
7.	973	Repair of motor vehicles	38.92
8.	276	Wooden furniture and fixtures	32.8
9.	289	Printing of picture and post card	22.50
10.	345	Metal utensils and cutlery	9.31
11.	235	Weaving and Spinning of Cotton—Handlooms	2.90
12.	271	Saw mills	2.44
13.		Other Industries	23060.68
Total			23533.16

TABLE 16.6

TRIVANDRUM

## Arrangement of Industries According to Loans Outstanding

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Loans outstanding Rs. in lakhs</i>
1.	231	Weaving and spinning of cotton—Mills	159.82
2.	284	Printing and Publishing of News papers	30.79
3.	214	Cashewnut processing	28.25
4.	212	Tea processing	19.14
5.	376	Manufacture of Bicycles and Rickshaws	15.68
6.	276	Wooden furniture and fixtures	6.57
7.	289	Printing of picture and post card	5.26
8.	271	Saw mills	1.09
9.	235	Weaving and Spinning of cotton—Handlooms	0.86
10.		Other Industries	22265.44
Total			22532.90

TABLE-16.7

TRIVANDRUM

Arrangement of Industries According to No. of  
Workers and Employees

Sl. No.	Code	Name of Industry	No. of workers	Total Employees No.
1.	214	Cashewnut processing	4603	4730
2.	973	Repair of Motor vehicles	1570	1842
3.	231	Spinning and Weaving of cotton-Mills	958	1081
4.	285	Printing of Books and Journals	938	1118
5.	276	Wooden Furniture and fixtures	416	518
6.	289	Printing of picture and post card	251	312
7.	271	Saw mills	193	207
8.	212	Tea processing	165	184
9.	376	Manufacture of Bicycles and Rickshaws	164	208
10.	235	Spinning and Weaving of cotton-Handlooms	119	131
11.	284	Printing and Publishing of Newspapers	112	195
12.	342	Metal utensils and cutlery	30	38
13.		Other Industries	14260	19940
Total			23784	30515

TABLE 16.8

TRIVANDRUM

Arrangement of Industries According Wages to Workers  
and Total Emoluments

Sl. No.	Code	Name of Industry	Wages to workers Rs. in lakhs	Total emoluments
1.	973	Repair of Motor Vehicles	73.04	84.97
2.	231	Spinning and Weaving of Cotton-Mills	45.55	52.88
3.	285	Printing of Books and Journals	44.60	56.91
4.	214	Cashewnut processing	30.16	32.85
5.	276	Wooden furniture and fixtures	13.50	18.71
6.	376	Manufacture of Bicycles and Rickshaws	7.56	9.77
7.	284	Printing and Publishing of Newspapers	5.53	13.38
8.	289	Printing of Picture and Post Card	4.38	6.70
9.	212	Tea processing	2.11	3.01
10.	235	Spinning and weaving of cotton-Handlooms	1.74	2.13
11.	271	Saw Mills	1.60	1.94
12.	342	Metal utensils and cutlery	1.29	2.02
13.		Other Industries	675.27	1412.40
Total			906.39	1697.65



TABLE 16.9

TRIVANDRUM

Arrangement of Industries According to Value of Input  
(including depreciation)

Sl. No.	Code	Name of Industry	Total input of Rs. in lakhs
1.	231	Spinning and Weaving of Cotton-Mills	203.76
2.	973	Repair of motor vehicles	160.81
3.	214	Cashewnut processing	148.60
4.	376	Manufacture of Bicycles and Rickshaws	71.05
5.	284	Printing and Publishing of Newspapers	58.91
6.	285	Do. books and journals	48.85
7.	212	Tea processing	42.38
8.	276	Wooden furniture and fixtures	17.72
9.	289	Printing of picture and post card	16.20
10.	271	Saw mills	8.47
11.	235	Spinning and weaving of cotton-Handlooms	5.37
12.	345	Metal utensils and cutlery	4.46
13.		Other Industries	961.60
		Total	1744.18

TABLE 16.10

TRIVANDRUM

Arrangement of Industries According to Total Output

Sl. No.	Code	Name of Industry	Total value of output Rs. in lakhs
1.	231	Spinning and weaving of cotton-Mills	315.77
2.	973	Repair of motor vehicles	266.97
3.	214	Cashewnut processing	195.60
4.	376	Manufacture of Bicycles and Rickshaws	90.93
5.	284	Printing and Publishing of Newspapers	75.76
6.	285	Do. books and journals	56.76
7.	212	Tea processing	50.05
8.	276	Wooden furniture and fixtures	28.06
9.	289	Printing of picture and post card	25.75
10.	271	Saw mills	11.16
11.	235	Spinning and Weaving of cotton-Handlooms	7.70
12.	345	Metal utensils and cutlery	5.08
13.		Other Industries	2915.32
		Total	4044.91

TABLE 16.11

TRIVANDRUM

**Arrangement of Industries according to Net output**  
(Value added by manufacture)

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Net output Rs. in lakhs</i>
1.	231	Spinning and Weaving of Cotton— Mills	112.01
2.	973	Repair of Motor Vehicles	106.16
3.	214	Cashewnut processing	47.00
4.	284	Printing and Publishing of Newspapers	26.85
5.	376	Manufacture of Bicycles and Rickshaws	19.88
6.	276	Wooden furniture and fixtures	10.34
7.	289	Printing of picture and post card	9.55
8.	285	Printing of Books and Journals	7.91
9.	212	Tea processing	7.67
10.	271	Saw Mills	2.69
11.	235	Spinning and weaving of cotton—Hadlooms	2.33
12.	345	Metal utensils and cutlery	0.62
13.		Other Industries	1947.62
		<b>Total</b>	<b>2300.73</b>

TABLE 17

## Summary of the Important Characteristics of the District

QUILON

Sl. No.	Items	Unit	State Total		District Total		Percentage of District Total to State Total	Percentage of District Census Total to State Census Total	Percentage of District Non-Census Total to State Non-Census Total		
			Census	Non-Census	Total	Census				Non-Census	Total
1.	No. of factories reported	No.	899	1474	2373	259	164	423	17.83	28.81	11.12
2.	Fixed Capital	Rs. in lakhs	38757.53	1614.66	40372.19	990.92	117.70	1108.62	2.74	2.56	0.73
3.	Working Capital	"	11252.85	1103.16	12356.01	1581.05	112.35	1693.40	13.71	14.05	10.18
4.	Productive Capital	"	50010.38	2717.82	52728.20	2571.97	230.15	2802.02	5.30	5.14	8.46
5.	Invested Capital	"	52105.25	2819.89	54925.14	2755.30	228.90	2984.21	5.43	5.29	8.12
6.	Loans Outstanding	"	39691.80	1314.69	41006.49	1451.34	71.20	1522.54	3.72	3.66	5.42
7.	No. of work-ers	Nos.	176638	32088	208776	85920	7932	93852	44.95	48.63	24.72
8.	Total No. of employ-ers.	Nos.	201543	37754	239297	90055	8460	98515	41.06	44.68	22.41
9.	Wages to Workers	Rs. in lakhs	4110.21	569.35	4679.56	843.43	54.64	898.07	19.19	20.52	9.61
10.	Wages & Other benefits to employ-ees	"	6457.88	770.02	7227.90	1059.02	61.52	1120.54	15.51	16.41	8.00
11.	Material Input	"	30212.13	6818.05	37030.18	5846.05	517.60	6363.65	17.18	19.35	7.59
12.	Total Input	"	31875.75	6972.67	38848.42	5927.86	528.30	6456.15	16.62	18.61	7.58
13.	Total Output	"	43599.56	8615.01	52214.57	7579.04	658.43	8237.47	15.78	17.38	7.64
14.	Net Out put	"	11723.81	1642.34	13366.15	1651.18	130.13	1781.31	13.32	14.08	7.92

TABLE 17.1

QUILON

## Arrangement of Industries according to No. of Units

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>No. of units Reported</i>
1	214	Cashewnut processing	246
2	320	Manufacture of Tiles	41
3	271	Saw Mills	32
4	340	Metal Cans and Tin Plate	20
5	302	Rubber products—others	16
6	211	Manufacture of edible oils	8
7	285	Printing of Books and Journals	7
8	212	Tea processing	5
9	203	Canning of fish and similar foods	4
10	284	Printing and publishing—News papers	3
11	323	Manufacture of Chinaware and porcelainware	3
12	341	Structural metal products	3
13	370	Ship building and repairing	3
14		Other industries	32
		<b>Total</b>	<b>423</b>

TABLE 17.2

## Arrangement of Industries according to Fixed Capital

			QUILON
Sl. No.	Code	Name of Industry	Fixed Capital Rs. in Lakhs
1	323	Manufacture of Chinaware and Porcelainware	152.48
2	214	Cashewnut processing	135.86
3	302	Rubber products—others	59.18
4	320	Manufacture of Tiles	25.83
5	203	Canning of fish and similar foods	21.04
6	284	Printing and publishing of newspapers	18.71
7	340	Metal cans and tin plate	16.32
8	271	Saw Mills	7.80
9	211	Manufacture of edible oils	6.01
10	212	Tea processing	4.97
11	341	Structural Metal Products	4.94
12	285	Printing of Books and Journals	4.22
13	370	Ship Building and Repairing	2.84
14		Other Industries	648.42
Total			1108.62

TABLE 17.3

## Arrangement of Industries according to Working Capital

			QUILON
Sl. No.	Code	Name of Industry	Working Capital Rs. in Lakhs
1	214	Cashewnut processing	671.14
2	341	Structural Metal Products	59.27
3	323	Chinaware and porcelainware	35.56
4	302	Rubber products—others	32.96
5	340	Metal cans and tin plate	32.84
6	320	Manufacture of Tiles	25.88
7	211	Manufacture of Edible Oils	18.60
8	212	Tea Processing	9.79
9	285	Printing of Books and Journals	7.66
10	370	Ship building and repairing	6.44
11	271	Saw Mills	6.19
12	284	Printing and Publishing of Newspapers	5.48
13	203	Canning of fish and similar foods	2.97
14		Other Industries	784.56
Total			1693.40

TABLE 17.4  
Arrangement of Industries according to Productive Capital

QUILON			
<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Productive Capital Rs. in lakhs</i>
1.	214	Cashewnut processing	807.00
2.	323	Chinaware and procelainware	188.04
3.	302	Manufacture of rubber and rubber products	92.14
4.	341	Manufacture of Structural Metal Products	64.21
5.	320	Manufacture of Structural clay products	51.71
6.	340	Metal cans and tin plate	49.16
7.	284	Printing and publishing of newspapers	24.19
8.	203	Canning of fish and similar foods	18.07
9.	212	Tea processing	14.76
10.	271	Saw Mills	13.99
11.	285	Printing of Books and Journals	11.83
12.	211	Manufacture of Other Edible oils	11.22
13.	370	Ship Building and repairing	9.28
14.		Other Industries	1446.37
TOTAL			2802.02

TABLE 17.5  
Arrangement of Industries according to Invested Capital

QUILON			
<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Invested Capital Rs. in lakhs</i>
1.	214	Cashewnut processing	1083.73
2.	323	Chinaware and porcelainware	186.71
3.	302	Rubber products—others	94.05
4.	320	Manufacture of Tiles	54.21
5.	341	Structural Metal Products	49.38
6.	340	Metal cans and tin plates	47.88
7.	203	Canning of fish and similar foods	43.55
8.	211	Manufacture of edible oils	28.21
9.	284	Printing and publishing of Newspapers	19.23
10.	271	Saw Mills	15.19
11.	370	Ship building and repairing	13.67
12.	212	Tea processing	10.66
13.	285	Printing of Books and Journals	8.39
14.		Other Industries	1329.34
TOTAL			2984.20

TABLE 17.6  
Arrangement fo Industries according to Loans Outstanding

QUILON

Sl. No.	Code	Name of Industry	Loans Outstanding (Rs. in lakhs)
1.	214	Cashewnut processing	533.89
2.	323	Chinaware and porcelainware	125.41
3.	203	Canning of fish and similar foods	57.40
4.	340	Metal cans and tin plate	39.02
5.	320	Manufacture of Tiles	17.20
6.	285	Printing of Books and Journals	11.34
7.	370	Ship building and repairing	10.95
8.	211	Manufacture of edible oils	7.61
9.	284	Printing and publishing of Newspapers	6.03
10.	271	Saw Mills	5.21
11.	341	Structural Metal Products	3.51
12.		Other Industries	704.97
TOTAL			1522.54

TABLE 17.7

Arrangement of Industries according to Workers & Employees

QUILON

Sl. No.	Code	Name of Industry	All workers No.	Total employees No.
1.	214	Cashewnut processing	85018	87624
2.	320	Manufacture of Tiles	1790	1998
3.	271	Saw Mills	596	670
4.	302	Rubber Products—others	467	539
5.	323	Chinaware and porcelainware	458	547
6.	203	Canning of fish and similar foods	326	467
7.	341	Structural Metal Products	220	259
8.	285	Printing of Books and Journals	219	261
9.	340	Metal cans & Tin Plate	198	270
10.	212	Tea Processing	155	177
11.	370	Ship building and repairing	105	135
12.	211	Manufacture of edible oils	84	108
13.	284	Printing and Publishing Newspapers	77	112
14.		Other Industries	4139	5348
TOTAL			93852	98515

TABLE 17.8

## Arrangement of Industries according to Wages to Workers and Emoluments

QUILON

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Wages to workers Rs. in lakhs</i>	<i>Total emoluments Rs. in lakhs</i>
1.	214	Cashewnut processing	594.65	666.31
2.	320	Manufacture of Tiles	36.35	42.70
3.	323	Chinaware and Porcelainware	20.10	28.62
4.	302	Rubber products—others	8.80	13.98
5.	203	Canning of fish and similar foods	7.92	13.82
6.	271	Saw Mills	6.27	7.92
7.	341	Structural metal products	6.25	7.97
8.	285	Printing of Books and Journals	4.90	6.47
9.	370	Ship Building and Repairing	4.61	6.53
10.	340	Metal cans and tin plate	3.71	5.86
11.	284	Printing and Publishing of news papers	3.52	5.53
12.	212	Tea Processing	2.18	3.43
13.	211	Manufacture of edible oils	1.64	2.20
14.		Other industries	197.17	309.20
<b>TOTAL</b>			<b>898.07</b>	<b>1120.54</b>

TABLE 17.9

## Arrangement of Industries according to Total Input

QUILON

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Total Input Rs. in lakhs</i>
1.	214	Cashewnut processing	3659.95
2.	203	Canning of Fish and similar foods	431.00
3.	302	Rubber products—others	296.39
4.	211	Manufacture of edible oils	184.33
5.	340	Metal cans and tin plate	129.50
6.	212	Tea processing	49.69
7.	320	Manufacture of tiles	38.78
8.	271	Saw mills	37.66
9.	341	Structural metal products	27.25
10.	323	Chinaware and porcelain ware	24.77
11.	284	Printing and publishing of news papers	18.79
12.	285	do. of Books and Journals	9.03
13.	370	Ship Building and Repairing	7.54
14.		Other Industries	1543.78
<b>TOTAL</b>			<b>6456.16</b>



TABLE 17.10  
Arrangement of Industries according to Total Output

QUILON			
<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Total output Rs. in lakhs</i>
1.	214	Cashewnut processing	4705.49
2.	203	Canning of fish and similar foods	453.98
3.	302	Rubber products—others	370.96
4.	211	Manufacture of edible oils	188.17
5.	340	Metal cans and tin plate	151.75
6.	320	Manufacture of tiles	90.14
7.	212	Tea processing	57.29
8.	323	Chinaware and porcelain ware	53.25
9.	271	Saw mills	50.16
10.	341	Structural metal products	36.51
11.	284	Printing and publishing of news papers	24.34
12.	285	do. of Books and Journals	15.06
13.	370	Ship building and repairing	10.10
14.		Other Industries	2030.27
TOTAL			8237.47

TABLE 17.11  
Arrangement of Industries according to Net Output  
(Value added by manufacture)

QUILON			
<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Net output Rs. in lakhs</i>
1.	214	Cashewnut processing	1045.54
2.	302	Rubber products—others	74.57
3.	320	Manufacture of tiles	51.36
4.	323	Chinaware and porcelain ware	28.48
5.	340	Metal cans and tin plate	24.45
6.	203	Canning fish and similar foods	22.98
7.	271	Saw mills	12.50
8.	341	Structural metal products	9.36
9.	212	Tea processing	7.60
10.	285	Printing and Publishing of Books and Journals	6.03
11.	284	do. News papers	5.55
12.	211	Manufacture of edible oils	3.84
13.	370	Ship Building and repairing	2.56
14.		Other industries	486.49
TOTAL			1781.31

TABLE 18

## Summary of the Important Characteristics of the District

ALLEPPEY

Sl. No.	Items	Unit	State Total			District Total			Percentage of district Total to State Total			Census Total to State Total			Percentage of district non census Total to State non Census Total		
			Census	Non-Census	Total	Census	Non-Census	Total	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1.	No. of Factories reported	Nos.	899	1474	2373	48	100	148	6.23	5.33	6.78						
2.	Fixed capital	Rs. in lakhs	38757.53	1614.66	40372.19	391.14	95.52	486.66	1.21	1.02	5.91						
3.	Working capital	"	11252.85	1103.16	12356.01	264.49	88.59	353.08	2.85	2.35	8.03						
4.	Productive capital	"	50010.38	2717.82	52728.20	655.63	184.41	839.74	1.58	1.32	6.78						
5.	Invested capital	"	52105.25	2819.89	54925.14	919.94	222.13	1142.07	2.07	1.77	7.84						
6.	Loans Outstanding	"	39691.80	1314.69	41006.49	608.70	123.74	737.44	1.79	1.53	9.80						
7.	No. of workers	Nos.	176688	32088	208776	8008	1734	9742	4.66	4.53	5.41						
8.	Total No of employees	"	201543	37754	239297	9092	2230	11322	5.17	4.52	5.91						
9.	Wages to workers	Rs. in lakhs	4110.21	596.35	4679.56	139.92	46.96	186.88	3.99	3.41	8.24						
10.	Wages and other benefits to employees	"	6457.88	770.02	7227.90	212.67	66.82	279.49	3.86	3.30	8.67						
11.	Material Input	"	30212.13	6818.05	37030.18	1439.62	1075.48	2515.10	6.79	4.76	15.77						
12.	Total Input	"	31875.75	6972.67	38848.42	1472.27	1084.87	2557.14	6.53	4.63	15.55						
13.	Gross Output	"	43599.56	8615.01	52214.57	1837.12	1246.84	3083.96	5.91	4.22	14.47						
14.	Net Output	"	11723.81	1642.34	13366.15	364.85	161.97	526.82	3.95	3.12	9.86						

TABLE 18.1

## Arrangement of Industries according to No. of Units

ALLEPPEY

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>No. of units reported</i>
1.	268	Coir and Coir Products	57
2.	203	Canning of fish & similar foods	10
3.	211	Manufacture of edible oils	10
4.	271	Saw Mills	9
5.	214	Cashewnut processing	6
6.	302	Rubber products—Others	5
7.	973	Repair of Motor Vehicles	5
8.	285	Printing of Books & Journals	4
9.	313	Manufacture of Drugs & Medicines	4
10.	320	Manufacture of Tiles	4
11.	360	Manufacture of Electrical apparatus	4
12.		Other industries	30
Total			148

TABLE 18.2

## Arrangement of Industries according to Fixed Capital

ALLEPPEY

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Fixed capital Rs. in lakhs</i>
1.	360	Manufacture of electrical apparatus	127.11
2.	268	Coir and Coir products	27.72
3.	302	Rubber products—Others	18.29
4.	313	Manufacture of Drugs & Medicines	13.40
5.	973	Repair of Motor Vehicles	12.56
6.	203	Canning of Fish & Similar foods	11.67
7.	320	Manufacture of Tiles	9.50
8.	285	Printing of Books & Journals	6.60
9.	214	Cashewnut processing	1.27
10.	271	Saw Mills	1.08
11.	211	Manufacture of edible oils	0.44
12.		Other Industries	257.02
Total			486.66

TABLE 18.3

## Arrangement of Industries according to Working Capital

## ALLEPPEY

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Working capital Rs. in lakhs</i>
1.	268	Coir and Coir Products	160.33
2.	360	Electrical apparatus	36.50
3.	214	Cashewnut processing	29.37
4.	203	Canning of fish & similar foods	9.08
5.	973	Repair of Motor Vehicles	8.46
6.	211	Manufacture of edible Oils	8.01
7.	313	Manufacture of Drugs & Medicines	7.23
8.	285	Printing of Books & Journals	1.87
9.	302	Rubber Products others	1.68
10.	320	Manufacture of Tiles	0.89
11.	271	Saw Mills	0.30
12.		Other Industries	89.36
Total			353.08

TABLE 18.4

## Arrangement of Industries according to Productive Capital

## ALLEPPEY

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Productive capital Rs. in lakhs</i>
1.	360	Manufacture of electrical apparatus	194.47
2.	268	Do. of Coir & Coir Products	188.05
3.	214	Cashewnut processing	30.64
4.	973	Repair of Motor Vehicles	21.02
5.	203	Canning of fish & Similar Foods	20.75
6.	313	Manufacture of Drugs & Medicines	20.63
7.	302	Manufacture of Rubber & Rubber products	19.97
8.	320	Manufacture of Structural clay-products	10.39
9.	285	Printing of Books & Journals	8.47
10.	211	Manufacture of other edible oils	8.45
11.	271	Saw Mills	1.88
12.		Other Industries	315.32
Total			840.04

TABLE 18.5

**Arrangement of Industries according to Invested Capital  
ALLEPPEY**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Invested Capital Rs. in lakhs</i>
1.	268	Coir and Coir products	267.17
2.	360	Manufacture of electrical apparatus	209.92
3.	214	Cashewnut processing	76.14
4.	203	Canning of fish & similar foods	36.84
5.	302	Rubber products—Others	33.08
6.	313	Manufacture of Drugs & Medicines	29.31
7.	973	Repair of Motor Vehicles	19.25
8.	211	Manufacture of Edible Oils	13.02
9.	320	Manufacture of Tiles	11.58
10.	285	Printing of Books & Journals	9.83
11.	271	Saw Mills	2.12
12.		Other Industries	483.81
<b>Total</b>			<b>1142.07</b>

TABLE 18.6

**Arrangement of Industries according to Outstanding Loans  
ALLEPPEY**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Loans outstanding Rs. in lakhs</i>
1.	268	Coir and Coir Products	170.42
2.	360	Manufacture of Electrical apparatus	98.31
3.	214	Cashewnut processing	40.81
4.	203	Canning of Fish & Similar Foods	24.45
5.	302	Rubber products—Others	19.09
6.	313	Manufacture of Drugs & Medicines	17.54
7.	211	Manufacture of Edible Oils	12.37
8.	320	Manufacture of Tiles	7.67
9.	285	Printing of Books & Journals	6.54
10.	271	Saw Mills	0.37
11.		Other Industries	339.87
<b>Total</b>			<b>737.44</b>

TABLE 18.7.

**Arrangement of Industries according to all Workers & Employees**  
ALLEPPEY

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>All workers No.</i>	<i>All employees No.</i>
1.	214	Cashewnut processing	4832	4944
2.	268	Coir and coir products	2032	2491
3.	973	Repair of motor vehicles	301	334
4.	271	Saw Mills	258	287
5.	360	Manufacture of electrical apparatus	253	396
6.	302	Rubber products-Others	225	327
7.	203	Canning of fish & similar foods	153	228
8.	320	Manufacture of Tiles	113	138
9.	313	Manufacture of drugs & medicine	98	162
10.	285	Printing of books & journals	82	106
11.	211	Manufacture of edible oils	76	128
12.		Other industries	1319	1781
<b>Total</b>			<b>9742</b>	<b>11322</b>

TABLE 18.8.

**Arrangement of Industries according to Wages to Workers & Total Emoluments**  
ALLEPPEY

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Wages to workers Rs. in lakhs</i>	<i>Total emoluments Rs. in lakhs</i>
1.	268	Coir and Coir products	60.05	83.73
2.	214	Cashewnut processing	36.03	41.15
3.	360	Manufacturing of Electrical apparatus	13.53	32.94
4.	973	Repair of motor vehicles	13.02	9.53
5.	302	Rubber products-others	6.31	10.56
6.	285	Printing of books & journals	3.30	4.48
7.	313	Manufacture of drugs & medicines	2.45	4.79
8.	271	Saw mills	1.93	2.66
9.	211	Manufacture of Edible oils	1.59	3.57
10.	203	Canning of Fish & similar foods	1.55	4.03
11.	320	Manufacture of Tiles	1.43	2.27
12.		Other industries	45.69	79.78
<b>Total</b>			<b>186.88</b>	<b>279.49</b>

TABLE 18.9.

## Arrangement of Industries according to Total Input

Alleppey

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Total input Rs. in lakhs</i>
1.	268	Coir & coir products	89.11
2.	302	Rubber products—Others	69.56
3.	360	Manufacture of electrical apparatus	67.47
4.	214	Cashewnut processing	41.38
5.	973	Repair of motor vehicles	38.71
6.	313	Manufacture of drugs and medicines	25.77
7.	271	Saw mills	9.41
8.	285	Printing of books & journals	8.46
9.	203	Canning of fish & similar foods	5.46
10.	211	Manufacture of edible oils	3.66
11.	320	Manufacture of tiles	3.30
12.		Other Industries	908.57
<b>Total</b>			<b>2557.14</b>

TABLE 18.10.

## Arrangement of Industries according to Total Output

ALLEPPEY

<i>Sl. No.</i>	<i>Code No.</i>	<i>Name of Industry</i>	<i>Total out put Rs. in lakhs</i>
1.	268	Coir & coir products	908.60
2.	203	Canning of fish & similar foods	282.19
3.	211	Manufacture of edible oils	239.78
4.	214	Cashewnut processing	227.92
5.	360	Manufacture of electrical apparatus	104.08
6.	302	Rubber products—Others	95.73
7.	973	Repair of motor vehicles	57.95
8.	313	Manufacture of drugs and medicines	40.10
9.	285	Printing of books & journals	16.18
10.	271	Saw mills	12.68
11.	320	Manufacture of tiles	4.83
12.		Other industries	1093.92
<b>Total</b>			<b>3083.96</b>

TABLE 18.11.

## Arrangement of Industries according to Net Output

ALLEPPEY

(Value added by manufacture)

<i>Sl. No.</i>	<i>Code No.</i>	<i>Name of Industry</i>	<i>Net output Rs. in lakhs</i>
1.	268	Coir & coir products	136.98
2.	214	Cashewnut processing	51.20
3.	360	Manufacture of Electrical apparatus	36.61
4.	211	Manufacture of edible oils	28.00
5.	302	Rubber products—Others	26.17
6.	973	Repair of motor vehicles	19.24
7.	203	Canning of fish & similar foods	15.78
8.	313	Manufacture of drugs & medicines	14.03
9.	285	Printing of books & journals	7.72
10.	271	Saw mills	3.26
11.	320	Manufacture of tiles	1.02
12.		Other industries	186.51
<b>Total</b>			<b>526.82</b>



TABLE 19  
Summary of the Important characteristics of the District

KOTTAYAM

Sl. No.	Items	Units		State Total			District Total			Percentage of District total to State total			Percentage of District Non-Census Total to State Non-Census Total		
		Census	Non-Census	Total	Census	Non-Census	Total	Census	Non-Census	Total	Census total to State	Percentage of District Census Total	Non-Census Total to District	Percentage of District Non-Census Total to State Non-Census Total	
1.	No. of factories reported	899	1474	2373	39	78	117	4.93	4.33	5.30					
2.	Fixed Capital	Rs. in lakhs		38757.53	1614.66	40372.19	475.25	86.78	562.03	1.39	1.22	5.37			
3.	Working Capital	"		11252.85	1103.16	12356.01	316.71	57.56	374.27	3.03	2.82	5.22			
4.	Productive Capital	"		50010.38	2717.82	52728.20	791.96	144.34	936.30	1.77	1.58	5.30			
5.	Invested Capital	"		52105.25	2819.89	54925.14	832.06	179.64	1011.70	1.84	1.60	6.38			
6.	Loans Outstanding	"		39691.80	1314.69	41006.49	415.01	116.75	531.76	1.29	1.04	8.88			
7.	No. of Workers	Nos.		176688	32088	208776	2909	1346	4255	2.04	1.65	4.20			
8.	Total No. of Employees	"		201543	37754	239297	3963	1692	5655	2.36	1.96	4.48			
9.	Wages to Workers	Rs. in lakhs		4110.21	569.35	4679.56	98.56	30.23	128.79	2.76	2.40	5.31			
10.	Wages and other benefits to Employees	"		6457.88	770.02	7227.90	189.34	44.42	233.76	3.23	2.93	5.77			
11.	Material Input	"		30212.13	6818.05	37030.18	1842.66	403.48	2246.14	6.06	6.10	5.92			
12.	Total Input	"		31875.75	6972.67	38848.42	1888.67	413.74	2302.41	5.93	5.92	5.63			
13.	Total Output	"		43599.56	8615.01	52214.57	2546.57	501.28	3047.85	5.84	5.84	5.82			
14.	Net Output	"		11723.81	1642.34	13366.15	657.90	87.54	745.44	5.58	5.62	5.33			

TABLE 19.1

## Arrangement of Industries according to No. of Units

KOTTAYAM

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>No. of Units Reported No.</i>
1.	302	Manufacture of Rubber Products—Others	30
2.	271	Saw Mills	12
3.	285	Printing of Books and Journals	7
4.	973	Repair of Motor Vehicles	7
5.	272	Manufacture of Cane and Bamboo Boxes	6
6.	301	Manufacture of footwear and moulded rubber	6
7.	300	Tyres and Tube Industries	5
8.	311	Manufacture of fertilizers and pesticides	5
9.	212	Tea Processing	4
10.	276	Wooden furniture and fixtures	4
11.	359	Repair of non electrical machinery	4
12.	270	Manufacture of Plywood and Veneers	3
13.		Other Industries	24
Total			117

TABLE 19.2

## Arrangement of Industries according to Fixed Capital

KOTTAYAM

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Fixed capital Rs. in lakhs</i>
1.	300	Tyres and Tube Industries	140.11
2.	302	Rubber products—Others	71.72
3.	301	Manufacture of footwear and moulded rubber	33.41
4.	270	Manufacture of Plywood and Veneers	32.41
5.	285	Printing of Books and Journals	8.08
6.	311	Manufacture of fertilizers and pesticides	5.08
7.	973	Repair of Motor Vehicles	5.05
8.	272	Manufacture of Cane and Bamboo Boxes	4.80
9.	271	Saw Mills	2.65
10.	359	Repair of non electrical machinery	1.75
11.	276	Manufacture of furniture and fixtures	1.30
12.	212	Tea Processing	1.04
13.		Other industries	254.63
Total			562.03

TABLE 19.3  
Arrangement of Industries according to Working Capital  
KOTTAYAM

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Working Capital Rs. in Lakhs</i>
1.	300	Tyres and Tube Industries	86.74
2.	302	Rubber products—Others	29.82
3.	311	Manufacture of Fertilizers and Pesticides	26.05
4.	270	Manufacture of Plywood and Veneers	20.78
5.	272	Manufacture of Cane and Bomboo Boxes	9.85
6.	301	Manufacture of footwear and moulded rubber	7.15
7.	285	Printing of Books and Journals	5.88
8.	973	Repair of Motor Vehicles	5.42
9.	271	Saw Mills	3.53
10.	359	Repair of non electrical machinery	2.30
11.	276	Wooden furniture and fixtures	2.05
12.	212	Tea Processing	0.89
13.		Other Industries	173.81
Total			374.27

TABLE 19.4  
Arrangement of Industries according to Productive Capital  
KOTTAYAM

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Productive Capital Rs. in Lakhs</i>
1.	300	Tyres and Tubes Industries	226.87
2.	302	Manufacture of Rubber and Rubber products	101.54
3.	270	Manufacture of Plywood and Veneers	53.19
4.	301	Manufacture of Footwear and moulded Rubber	40.56
5.	311	Manufacture of Fertilizers and Pesticides	31.13
6.	272	Cane and Bomboo works	14.65
7.	285	Printing of Books and Journals	13.96
8.	973	Repair of Motor Vehicles	10.47
9.	271	Saw Mills	6.18
10.	359	Repair of non-electrical machinery	4.05
11.	276	Manufacture of Wooden furniture and fixtures	3.35
12.	212	Tea Processing	1.93
13.		Other Industries	428.42
Total			936.32

TABLE 19.5

## Arrangements of industries according to Invested Capital

KOTTAYAM

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Invested Capital Rs. in lakhs</i>
1.	300	Tyres and Tubes Industries	263.04
2.	302	Rubber products—Others	159.74
3.	301	Manufacture of footwear and moulded rubber	52.74
4.	270	„ plywood and veneers	46.97
5.	311	„ Fertilizers and pesticides	35.38
6.	272	„ Cane and Bomboo Boxes	15.49
7.	285	Printing of books and journals	15.14
8.	973	Repair of motor vehicles	6.80
9.	271	Saw Mills	5.48
10.	276	Wooden furniture and fixtures	3.34
11.	359	Repair of non—electrical machinery	3.17
12.	212	Tea processing	1.93
13.		Other industries	402.48
		Total	1011.70

TABLE 19.6

## Arrangement of industries according to Outstanding Loans

KOTTAYAM

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Loans outstanding Rs. in lakhs</i>
1.	300	Tyres and Tubes Industries	113.21
2.	302	Rubber and Rubber products—Others	92.15
3.	301	Manufacture of footwear and moulded rubber	39.52
4.	272	„ Cane and Bomboo Boxes	22.01
5.	270	„ Plywood and veneers	21.96
6.	311	„ Fertilizers and Pesticides	8.00
7.	271	Saw mills	4.86
8.	276	Wooden furniture and fixtures	4.11
9.	285	Printing of Books and Journals	0.89
10.		Other Industries	225.05
		Total	531.76

TABLE 19.7  
Arrangement of Industries according to all  
Workers and Employees

KOTTAYAM

Sl. No.	Code	Name of Industry	All workers No.	All employees No.
1.	302	Rubber and Rubber products—Others	916	1158
2.	300	Tyres and Tubes Industries	450	670
3.	271	Saw mills	334	366
4.	270	Manufacture of plywood and veneers	304	401
5.	285	Printing of Books and Journals	259	287
6.	973	Repair of motor vehicles	231	257
7.	272	Manufacture of Cane and Bomboo Boxes	198	234
8.	301	„ footwear and moulded rubber	160	216
9.	311	„ fertilizers and pesticides	131	178
10.	212	Tea processing	48	56
11.	276	Wooden furniture and fixtures	40	56
12.	359	Repair of non-electrical machinery	28	38
13.		Other industries	1156	1738
		Total	4255	5655

TABLE 19.8

Arrangement of Industries according to wages to workers

KOTTAYAM

Sl. No.	Code	Name of Industry	Wages to workers Rs. in lakhs	Total emoluments Rs. in lakhs
1.	302	Rubber and Rubber products—Others	21.37	31.27
2.	300	Tyres and tubes industries	14.21	26.63
3.	270	Manufacture of plywood and veneers	11.49	16.16
4.	973	Repair of motor vehicles	10.37	11.57
5.	285	Printing of Books and Journals	6.77	7.75
6.	311	Manufacture of fertilizers and pesticides	5.04	8.84
7.	272	„ Cane and Bomboo Boxes	4.24	5.69
8.	271	Saw Mills	4.19	5.19
9.	301	Manufacture of footwear and Moulded rubber	3.73	5.78
10.	276	Wooden furniture and fixtures	0.70	1.13

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Wages of workers Rs. in lakhs</i>	<i>Total emoluments Rs. in lakhs</i>
11.	359	Repair of non-electrical machinery	0.58	0.74
12.	212	Tea processing	0.36	0.64
13.		Other industries	45.74	112.37
<b>Total</b>			<b>128.79</b>	<b>233.76</b>

**TABLE 19.9**  
**Arrangement of Industries according to total input**  
**KOTTAYAM**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Total Input Rs. in lakhs</i>
1.	300	Tyres and Tube Industries	985.74
2.	302	Rubber and Rubber products—Others	349.64
3.	311	Manufacture of fertilizers and pesticides	104.18
4.	270	„ plywood and veneers	72.00
5.	301	„ footwear and moulded rubber	66.80
6.	973	Repair of motor vehicles	31.44
7.	272	Manufacture of Cane and Bomboo Boxes	21.31
8.	271	Saw Mills	19.67
9.	285	Printing of books and journals	15.38
10.	359	Repair of non electrical machinery	6.68
11.	2.6	Wooden furniture and fixtures	2.57
12.	212	Tea processing	2.53
13.		Other industries	624.47
<b>Total</b>			<b>2302.41</b>

**TABLE 19.10**  
**Arrangement of industries according to total output**  
**KOTTAYAM**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Total output Rs. in lakhs</i>
1.	300	Tyres and Tubes Industries	1380.26
2.	302	Rubber and Rubber products	396.38
3.	311	Manufacture of fertilizers and pesticides	122.06
4.	270	„ plywood and veneers	98.63
5.	301	„ footwear and moulded rubber	79.83
6.	973	Repair of motor vehicles	44.97

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Total output Rs. in lakhs</i>
7.	272	Manufacture of Cane and Bomboo Boxes	28.22
8.	271	Saw Mills	26.26
9.	285	Printing of Books and Journals	22.99
10.	359	Repair of non-electrical machinery	8.75
11.	276	Wooden furniture and fixtures	3.88
12.	212	Tea processing	2.57
13.		Other Industries	833.05
Total			3047.85

TABLE 19.11

**Arrangement of industries according to net output**  
(Value added by manufacture)

KOTTAYAM

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Net output Rs. in lakhs</i>
1.	300	Tyres and Tubes Industries	394.52
2.	302	Rubber and rubber products	46.74
3.	270	Manufacture of plywood and veneers	26.63
4.	311	"          fertilizers and pesticides	17.88
5.	973	Repair of motor vehicles	13.53
6.	301	Manufacture of footwear and moulded rubber	13.03
7.	285	Printing of Books and Journals	7.61
8.	272	Manufacture of Cane and Bomboo Boxes	6.91
9.	271	Saw mills	6.59
10.	359	Repair of non-electrical machinery	2.07
11.	276	Wooden furniture and fixtures	1.31
12.	212	Tea processing	0.04
13.		Other industries	208.58
Total			745.44

TABLE 20

## Summary of the Important Characteristics of the District

IDUKKI

Sl. No.	Items	Unit	State Total		District Total		(10)	(11)	(12)		
			Census	Non-Census	Total	Census				Non-Census	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1.	No. of factories reported	No.	899	1474	2373	62	40	102	4.29	6.90	2.72
2.	Fixed capital	Rs. in lakhs	38757.53	1614.66	40372.19	276.53	66.73	343.24	0.86	0.71	4.13
3.	Working capital	"	11252.85	1103.10	12356.01	116.04	30.11	140.15	1.14	0.98	2.73
4.	Productive capital	"	50010.38	2717.82	52728.20	386.57	96.84	483.40	0.90	0.77	3.56
5.	Invested capital	"	52105.25	2819.89	54925.14	367.99	93.56	461.55	0.84	0.71	3.32
6.	Loans outstanding	"	39691.80	1314.69	41006.49	67.12	4.52	71.64	0.18	0.16	0.35
7.	No. of workers	No.	176688	32088	208776	3399	844	4243	2.03	1.92	2.64
8.	Total No. of employees	"	201543	37754	239297	3838	984	4822	2.01	1.91	2.61
9.	Wages to Workers	Rs. in lakhs	4110.21	569.35	4679.56	51.08	12.53	63.61	1.35	1.24	2.21
10.	Wages & other benefits to employees	"	6457.88	770.02	7227.90	85.04	19.00	104.04	1.44	1.32	2.46
11.	Material input	"	30212.13	6818.05	37030.18	1219.65	214.31	1433.96	3.87	4.04	3.14
12.	Total input	"	31875.75	6972.67	38848.42	1246.36	219.92	1466.28	3.78	3.92	3.15
13.	Total output	"	43599.56	8615.01	52214.57	1589.30	267.75	1857.05	3.55	3.64	3.11
14.	Net output	"	11723.81	1642.34	13366.15	342.94	47.83	390.77	2.92	2.92	2.92



TABLE 20.1  
Arrangement of industries according to No. of Units

			IDUKKI
Sl. No.	Code	Name of Industry	No. of units No.
1.	212	Tea processing	81
2.	302	Rubber and Rubber products—Others	9
3.	271	Saw Mills	3
4.	353	Industrial machinery for food and textiles	3
5.	973	Repair of Motor Vehicles	3
6.		Other Industries	3
Total			102

TABLE 20.2  
Arrangement of industries according to fixed capital

			IDUKKI
Sl. No.	Code	Name of Industry	Fixed capital Rs. in lakhs
1.	212	Tea processing	312.61
2.	302	Rubber and Rubber products Others	12.17
3.	973	Repair of Motor Vehicles	2.75
4.	353	Industrial machinery for food and textiles	2.14
5.	271	Saw Mills	0.52
6.		Other Industries	13.07
Total			343.26

TABLE 20.3  
Arrangement of industries according to working capital

			IDUKKI
Sl. No.	Code	Name of Industry	Working capital Rs. in lakhs
1.	212	Tea processing	109.47
2.	302	Rubber & Rubber products—Others	14.98
3.	353	Industrial machinery for food and textiles	11.57
4.	973	Repair of Motor Vehicles	1.44
5.	271	Saw Mills	0.09
6.		Other Industries	2.61
Total			140.16

TABLE 20.4

**Arrangement of industries according to productive capital**  
**IDUKKI**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Productive capital Rs. in lakhs</i>
1.	212	Tea processing	422.08
2.	302	Rubber & Rubber products	27.15
3.	353	Industrial machinery for food & textiles	13.71
4.	973	Repair of Motor Vehicles	4.19
5.	271	Saw Mills	0.61
6.		Other Industries	15.68
Total			483.42

TABLE 20.5

**Arrangement of industries according to invested capital**  
**IDUKKI**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Invested capital Rs. in lakhs</i>
1.	212	Tea processing	405.28
2.	302	Rubber and Rubber products—Others	27.63
3.	353	Industrial machinery for food and textiles	13.29
4.	973	Repair of Motor Vehicles	0.60
5.	271	Saw Mills	0.57
6.		Other Industries	14.18
Total			461.55

TABLE 20.6

**Arrangement of industries according to loans outstanding**  
**IDUKKI**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Loans outstanding Rs. in lakhs</i>
1.	212	Tea processing	70.49
2.	353	Industrial machinery for food & textiles	0.81
3.	271	Saw Mills	0.27
4.		Other Industries	0.08
Total			71.65

TABLE 20.7

Arrangement of industries according to all workers & employees  
IDUKKI

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>All workers No.</i>	<i>All employees No.</i>
1.	212	Tea processing	3716	4207
2.	302	Rubber & Rubber products— Others	222	239
3.	973	Repair of Motor Vehicles	100	112
4.	353	Industrial machinery for food & textiles	88	108
5.	271	Saw Mills	18	23
6.		Other Industries	99	133
Total			4243	4822

TABLE 20.8

Arrangement of industries according to wages to workers  
and total emoluments

IDUKKI

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Wages to workers Rs.</i>	<i>Total emoluments in lakhs</i>
1.	212	Tea processing	52.59	88.56
2.	302	Rubber & Rubber products— Others	3.38	4.35
3.	973	Repair of Motor Vehicles	2.83	4.04
4.	353	Industrial machinery for Food & Textiles	2.63	3.70
5.	271	Saw Mills	0.17	0.25
6.		Other Industries	2.01	3.14
Total			63.61	104.04

TABLE 20.9  
Arrangement of industries according to total input  
IDUKKI

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Total input Rs. in lakhs</i>
1.	212	Tea processing	1361.16
2.	302	Rubber & Rubber products-Others	71.99
3.	973	Repair of Motor Vehicles	16.11
4.	353	Industrial Machinery for Food & Textiles	7.47
5.	271	Saw Mills	0.83
6.		Other industries	8.72
Total			1466.28

TABLE 20.10  
Arrangement of industries according to total output  
IDUKKI

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Total output Rs. in lakhs</i>
1.	212	Tea processing	1721.84
2.	302	Rubber & Rubber products-Others	88.05
3.	973	Repair of Motor Vehicles	20.43
4.	353	Industrial Machinery for Food & Textiles	10.65
5.	271	Saw Mills	1.13
6.		Other industries	14.95
Total			1857.05

TABLE 20.11  
Arrangement of industries according to net output  
(Value added by manufacture)  
IDUKKI

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Net output Rs. in lakhs</i>
1.	212	Tea processing	360.68
2.	302	Rubber and Rubber products-Others	16.06
3.	973	Repair of Motor Vehicles	4.32
4.	353	Industrial Machinery for Food and Textiles	3.18
5.	271	Saw Mills	0.30
6.		Other industries	6.23
Total			390.77

TABLE 21  
Summary of the Important characteristics of the District

ERNAKULAM

Sl. No.	Items	Unit	State Total		District Total		(10)	(11)	(12)		
			Census	Non census	Total	Census				Non census	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1.	No. of factories reported	No.	899	1474	2373	115	208	323	13.62	12.79	14.12
2.	Fixed capital	Rs. in lakhs	38757.53	1614.66	40372.19	13211.56	585.32	13796.86	34.18	34.08	36.25
3.	Working capital	"	11252.85	1103.16	12356.01	4627.88	214.85	4842.74	39.19	41.13	19.47
4.	Productive capital	"	50010.38	2717.82	52728.20	17839.44	800.17	18639.60	35.35	35.68	29.44
5.	Invested capital	"	52105.25	2819.89	54925.14	19151.70	897.69	20049.39	36.51	36.75	31.84
6.	Loans outstanding	"	39691.80	1314.69	41006.49	12899.11	355.46	13254.57	32.32	32.50	27.03
7.	No. of workers	No.	176688	32088	208776	17654	4026	21680	10.38	10.00	12.55
8.	Total No. of employees	"	201543	37754	239297	23972	5164	29136	12.07	11.98	13.67
9.	Wages to workers	Rs. in lakhs	4110.21	569.35	4679.56	1028.95	108.46	1137.41	24.31	25.03	19.05
10.	Wages & other benefits to employees	"	6457.88	770.02	7227.90	1799.07	159.66	1958.73	27.10	27.86	20.73
11.	Material Input	"	30212.13	6818.05	37030.18	11672.19	1766.30	13438.49	36.29	38.63	25.91
12.	Total Input	"	31875.75	6972.67	38848.42	12405.46	1829.98	14235.46	36.64	38.91	24.24
13.	Total output	"	43599.56	8615.01	52214.57	15701.50	2044.21	17745.72	33.98	36.02	23.72
14.	Net output	"	11723.81	1642.34	13366.15	3296.04	214.23	3510.26	26.26	28.12	13.05

Percentage of District Total to State Total  
Percentage of District Census Total to State Census Total  
Percentage of District Non-census Total to State Non-census Total

TABLE 21.1  
 Arrangement of Industries according to No. of Units  
 ERNAKULAM

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>No. of Units</i>
1.	271	Saw Mills	42
2.	203	Canning of fish and similar foods	36
3.	285	Printing of Books and Journals	25
4.	370	Ship Building and repairing	19
5.	340	Metal containers and tin plates	17
6.	320	Structural clay products	14
7.	973	Repair of motor vehicles	12
8.	268	Coir and Coir products	11
9.	310	Basic industrial chemicals	11
10.	211	Manufacture of other edible oils	8
11.	331	Foundries for casting and forging of Iron	8
12.	231	Spinning and weaving—in Mills	5
13.	276	Wooden furniture and fixtures	5
14.	284	Printing and publishing of News Papers	5
15.	311	Manufacture of Fertilizers and Pesticides	5
16.	343	Hand Tools and General Hardware	5
17.	357	Machine Tools	4
18.	369	Manufacture of electrical apparatus	4
19.	204	Grain Mill Products	3
20.	214	Cashewnut processing	3
21.	219	Manufacture of miscellaneous food products—others	3
22.	289	Printing of picture and post card	3
23.	300	Tyres and Tubes Industries	3
24.	336	Zinc manufacturing	3
25.	341	Structural metal products	3
26.	342	Metal furniture and fixtures	3
27.	360	Manufacture of Transformers	3
28.		Other Industries	60
Total			323

TABLE 21.2

## Arrangement of Industries according to Fixed Capital

ERNAKULAM

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Fixed Capital Rs. in lakhs</i>
1.	311	Manufacture of fertilizers and pesticides	838.34
2.	357	Machine Tools	592.81
3.	310	Basic Industrial Chemicals	562.68
4.	336	Zinc manufacturing	349.15
5.	203	Canning of fish and similar foods	275.14
6.	231	Spinning and weaving of cotton—Mills	200.39
7.	360	Manufacture of Transformers	189.82
8.	340	Metal containers and tin plate	141.31
9.	331	Foundries for casting and forging of Iron	79.30
10.	341	Structural metal products	51.47
11.	285	Printing of Books and Journals	37.47
12.	271	Saw Mills	28.36
13.	370	Ship Building and repairing	27.23
14.	320	Structural clay products	24.21
15.	219	Manufacture of food products—Others	21.55
16.	284	Printing and publishing of News Papers	14.71
17.	204	Grain Mill Products	13.38
18.	369	Electrical apparatus	10.46
19.	343	Hand tools and general hardware	9.68
20.	289	Printing of picture and post card	9.23
21.	341	Structural metal products	7.93
22.	300	Tyres and Tubes Industries	7.20
23.	268	Coir and Coir Products	5.77
24.	973	Repair of Motor Vehicles	5.68
25.	211	Manufacture of other edible oils	2.86
26.	276	Wooden furniture and fixtures	2.57
27.	214	Cashewnut processing	2.34
28.		Other Industries	10285.84
<b>Total</b>			<b>13796.88</b>

TABLE 21.3

## Arrangement of Industries according to Working Capital

ERNAKULAM

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Working Capital Rs. in Lakhs</i>
1.	311	Manufacture of Fertilizers and Pesticides	593.06
2.	310	Basic Industrial Chemicals	390.55
3.	203	Canning of fish and similar foods	309.09
4.	360	Manufacture of Transformers	218.50
5.	357	Manufacture of Machine Tools	180.26
6.	340	Metal containers and Tin Plate	166.87
7.	336	Zinc manufacturing	121.65
8.	231	Spinning and Weaving of cotton—in Mills	67.93
9.	341	Structural metal products	59.76
10.	271	Saw Mills	38.60
11.	268	Coir and Coir products	28.00
12.	284	Printing and Publishing of News Papers	24.93
13.	331	Foundries for casting and forging of Iron	17.20
14.	320	Structural clay products	17.13
15.	285	Printing of Books and Journals	14.00
16.	219	Manufacture of food products—Others	13.26
17.	370	Ship building & repairing	10.92
18.	342	Metal furniture and fixtures	9.14
19.	214	Cashewnut processing	8.58
20.	211	Manufacture of other edible oils	4.98
21.	204	Grain Mill Products	4.53
22.	300	Tyres and Tubes Industries	3.80
23.	973	Repair of Motor vehicles	3.47
24.	276	Wooden furniture and fixtures	2.62
25.	289	Printing of picture and post card	2.35
26.	369	Electrical apparatus	1.25
27.		Other Industries	2683.06
<b>Total</b>			<b>4842.73</b>



**TABLE 21.4**  
**Arrangement of Industries according to Productive Capital**  
**ERNAKULAM**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Productive Capital Rs. in Lakhs</i>
1.	311	Manufacture of fertilizers and pesticides	1431.40
2.	310	Basic Industrial chemicals	953.23
3.	357	Manufacture of Machine tools	773.07
4.	203	Canning of fish and similar foods	584.23
5.	336	Zinc manufacturing	470.80
6.	360	Manufacture of transformers	408.32
7.	340	Metal containers and tin plate	308.18
8.	231	Spinning and Weaving—Mills	268.32
9.	331	Foundries for casting and forging of Iron	96.50
10.	271	Saw Mills	66.96
11.	320	Manufacture of structural clay products	41.34
12.	284	Printing and publishing of News Papers	39.64
13.	370	Ship Building and Repairing	38.15
14.	219	Manufacture of miscellaneous food products—Others	34.81
15.	268	Manufacture of coir and coir products	33.77
16.	285	Printing of Books and Journals	23.47
17.	204	Manufacture of Grain Mill Products	17.91
18.	342	Manufacture of metal furniture & fixtures	17.07
19.	369	Manufacture of electrical apparatus	11.71
20.	300	Tyres and Tubes Industries	11.00
21.	214	Cashewnut processing	10.92
22.	343	Manufacture of Hand Tools and General Hardware	9.68
23.	973	Repair of motor vehicles	9.15
24.	341	Manufacture of structural metal products	8.29
25.	211	Manufacture of other edible oils	7.84
26.	289	Printing picture and post cards	6.88
27.	276	Manufacture of wooden furniture and fixtures	0.05
28.		Other industries	12973.60
<b>Total</b>			<b>18639.61</b>

TABLE 21.5

**Arrangement of Industries according to Invested Capital**  
**ERNAKULAM**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Invested Capital Rs. in Lakhs</i>
1.	311	Manufacture of Fertilizers and Pesticides	8831.61
2.	310	Basic Industrial chemicals	955.15
3.	357	Machine Tools	886.62
4.	336	Zinc Manufacturing	671.30
5.	203	Canning of fish and similar foods	432.56
6.	360	Manufacture of Transformers	432.33
7.	231	Spinning and weaving of cotton—in Mills	408.08
8.	340	Metal containers and Tin plate	284.71
9.	341	Structural Metal Products	194.81
10.	331	Foundries for castings and forging of Iron	142.60
11.	370	Ship Building and repairing	74.50
12.	369	Electrical apparatus	47.67
13.	271	Saw Mills	47.01
14.	214	Cashewnut processing	45.29
15.	320	Structural clay products	42.74
16.	285	Printing of books and journals	41.55
17.	219	Manufacture of food products—Others	35.28
18.	268	Coir and Coir Products	31.47
19.	204	Grain Mill Products	23.84
20.	343	Hand Tools and General Hardware	23.22
21.	284	Printing and publishing of News Papers	21.99
22.	342	Metal furniture and fixtures	17.22
23.	300	Tyres and Tubes Industries	11.60
24.	289	Printing picture and post cards	10.60
25.	973	Repair of Motor Vehicles	6.61
26.	276	Wooden furniture and fixtures	5.60
27.	211	Manufacture of other edible oils	4.61
28.		Other Industries	6318.92
<b>Total</b>			<b>20049.39</b>

TABLE 21.6

**Arrangement of Industries according to Loans Outstanding**  
**ERNAKULAM**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Loans outstanding Rs. in lakhs</i>
1.	311	Manufacture of Fertilizers and Pesticides	4912.83
2.	310	Basic Industrial chemicals	565.54
3.	336	Zinc Manufacturing	384.84
4.	203	Canning of fish and similar foods	288.37
5.	231	Spinning and weaving of cotton—Mills	214.85
6.	360	Manufacture of Transformers	179.15
7.	331	Foundries for casting and forging of Iron	157.35
8.	357	Machine Tools	144.54
9.	341	Structural Metal products	87.44
10.	340	Metal containers and tin plate	55.80
11.	370	Ship Building and repairing	44.41
12.	369	Electrical apparatus	40.53
13.	285	Printing of Books and Journals	36.65
14.	214	Cashewnut processing	32.75
15.	271	Saw Mills	28.37
16.	219	Manufacture of food products—others	27.10
17.	284	Printing and publishing of News Papers	20.58
18.	342	Metal furniture and fixtures	20.23
19.	343	Hand tools and general hardware	17.39
20.	204	Grain Mill Products	7.36
21.	300	Tyres and Tubes Industries	5.66
22.	268	Coir and Coir Products	5.02
23.	320	Structural clay products	4.14
24.	276	Wooden furniture and fixtures	3.31
25.	211	Manufacture of other edible oils	2.52
26.	973	Repair of Motor vehicles	1.15
27.	289	Printing of picture and post card	0.37
28.		Other Industries	5966.32
<b>Total</b>			<b>13254.57</b>

TABLE 21.7

Arrangement of Industries according to workers and employees  
ERNAKULAM

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>All workers No.</i>	<i>All employees No.</i>
1.	311	Manufacture of fertilizers and pesticides	2994	4444
2.	291	Spinning and weaving of cotton-in Mills	1849	2037
3.	203	Canning of fish and similar foods	1663	2277
4.	357	Machine Tools	1523	2,90
5.	370	Ship Building and Repairing	1428	1624
6.	310	Basic Industrial chemicals	1173	1789
7.	271	Saw Mills	858	1014
8.	320	Structural clay products	823	924
9.	360	Manufacture of Transformers	783	1064
10.	214	Cashewnut processing	531	558
11.	340	Metal containers and tin plates	514	656
12.	973	Repair of Motor vehicles	401	467
13.	336	Zinc manufacturing	344	475
14.	285	Printing of Books and Journals	333	419
15.	341	Structural Metal products	233	367
16.	268	Coir and Coir products	227	249
17.	289	Printing of picture and post card	209	250
18.	284	Printing and publishing of News Papers	197	292
19.	331	Foundries for casting and forging of Iron	171	255
20.	369	Manufacture of electrical apparatus	162	243
21.	300	Tyres and Tubes Industries	137	156
22.	343	Manufacture of Hand tools and Hardware	129	154
23.	342	Metal furniture and fixtures	102	134
24.	204	Grain Mill products	98	137
25.	276	Wooden furniture and fixtures	43	66
26.	211	Manufacture of other edible oils	40	58
27.	219	Manufacture of food products—Others	32	48
28.		Other Industries	4683	6689
Total			21680	29136

TABLE 21.8

Arrangement of Industries according to wages to workers and total emoluments

ERNAKULAM

Sl. No.	Code	Name of Industry	Wages to workers Rs. in lakhs	Total emoluments Rs. in lakhs
1.	311	Manufacture of fertilizers and pesticides.	286.77	521.12
2.	310	Basic Industrial chemicals	92.00	164.92
3.	357	Machine Tools	85.27	173.50
4.	231	Spinning and weaving of cotton in Mills	79.75	95.29
5.	370	Ship building and repairing	57.37	68.30
6.	360	Manufacture of Transformers	40.82	67.60
7.	203	Canning of fish and similar foods	38.30	71.63
8.	340	Metal containers and tin plate	25.30	37.96
9.	336	Zinc manufacturing	22.23	40.29
10.	320	Structural clay products	19.19	21.94
11.	341	Structural Metal products	17.01	29.61
12.	271	Saw Mills	15.55	21.14
13.	973	Repair of Motor vehicles	13.06	16.19
14.	289	Printing of picture and post card	12.40	13.95
15.	285	Printing of Books and Journals	10.07	13.06
16.	331	Foundries for castings and forging of Iron	8.96	16.07
17.	284	Printing and publishing of News papers	6.69	12.36
18.	369	Electrical apparatus	5.97	11.23
19.	214	Cashewnut processing	4.90	5.69
20.	268	Coir and Coir products	4.79	6.01
21.	343	Hand tools and General Hardware	3.83	4.86
22.	300	Tyres and Tubes industries	2.82	4.13
23.	342	Metal furniture and fixtures	2.76	4.23
24.	204	Grain Mill products	2.31	4.72
25.	276	Wooden furniture and fixtures	1.41	2.07
26.	211	Manufacture of other edible oils	1.06	1.46
27.	219	Manufacture of food products—others	0.87	2.10
28.		Other Industries	275.95	527.60
Total			1137.41	1958.73

TABLE 21.9

## Arrangement of Industries according to Total Input

ERNAKULAM

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Total Input (Rs. in lakhs)</i>
1.	311	Manufacture of fertilizers and Pesticides	1729.65
2.	203	Canning of fish and similar foods	1406.60
3.	310	Manufacture of Basic Industrial Chemicals	788.94
4.	231	Spinning and weaving of cotton— in Mills	535.94
5.	336	Zinc manufacturing.	471.82
6.	340	Metal containers and Tin Plate	357.96
7.	360	Manufacture of Transformers	308.25
8.	357	Machine Tools	284.55
9.	204	Grain Mill products	237.57
10.	211	Manufacture of other edible oils	203.18
11.	214	Cashewnut processing	114.02
12.	341	Structural Metal products	107.50
13.	271	Saw Mills	97.43
14.	268	Coir and Coir products	93.89
15.	284	Printing and publishing of News Papers	79.29
16.	370	Ship Building and repairing	66.52
17.	331	Foundries for casting and forging of Iron	56.75
18.	285	Printing of Books and Journals	46.94
19.	369	Manufacture of electrical apparatus	40.57
20.	300	Tyres and Tubes Industries	28.55
21.	320	Structural clay products	27.89
22.	343	Manufacture of Hand Tools and General Hardware	27.89
23.	973	Repair of motor vehicles	27.09
24.	342	Metal furniture and fixtures	15.79
25.	219	Manufacture of food products—Others	15.46
26.	289	Printing of picture and post card	13.82
27.	276	Wooden furniture and fixtures	7.70
28.		Other Industries	7044.03
Total			14235.44

TABLE 21.10

## Arrangement of Industries according to Total Output

ERNAKULAM

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Total output (Rs. in lakhs)</i>
1.	311	Manufacture of fertilizers and pesticides	3086.21
2.	203	Canning of fish and similar foods	1514.00
3.	310	Manufacture of Basic Industrial chemicals	1116.44
4.	231	Spinning and weaving of cotton—in Mills	708.34
5.	336	Zinc manufacturing	554.95
6.	340	Metal containers and Tin Plate	482.03
7.	360	Manufacture of Transformers	470.68
8.	357	Machine Tools	327.04
9.	204	Manufacture of Grain Mill products	249.14
10.	211	Manufacture of other edible oils	206.18
11.	341	Structural Metal products	189.95
12.	370	Ship Building and repairing	143.87
13.	271	Saw Mills	132.62
14.	214	Cashewnut processing	129.35
15.	268	Coir and Coir products	99.88
16.	284	Printing and publishing of News Papers	96.73
17.	331	Foundries for casting and forging of Iron	85.78
18.	285	Printing of Books and Journals	64.32
19.	369	Manufacture of electrical apparatus	61.11
20.	320	Structural clay products	55.56
21.	973	Repair of motor vehicles	50.04
22.	343	Manufacture of Hand tools and Hardware	39.76
23.	300	Tyres and Tubes Industries	35.94
24.	289	Printing of picture and post cards	28.36
25.	342	Metal furniture and fixtures	21.89
26.	276	Wooden furniture and fixtures	10.09
27.	219	Manufacture of food products—others	9.72
28.		Other Industries	7775.73
<b>Total</b>			<b>17745.71</b>

TABLE 21.11

## Arrangement of Industries according to Net Output

(Value added by manufacture)

ERNAKULAM

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Net Output Rs. in lakhs</i>
			1356.56
1.	311	Manufacture of Fertilizers & Pesticides	327.50
2.	310	Manufacture of Basic Industrial Chemicals	172.30
3.	231	Spinning & Weaving of Cotton-in Mills	162.43
4.	360	Manufacture of Transformers	107.37
5.	203	Canning of Fish & Similar foods	83.13
6.	336	Zinc manufacturing	82.45
7.	341	Structural metal products	71.35
8.	370	Ship Building & repairing	71.07
9.	340	Metal containers & Tin plate	42.49
10.	357	Machine Tools	35.19
11.	271	Saw Mills	29.03
12.	331	Foundries for Casting & forgoing of Iron	27.67
13.	320	Structural Clay products	22.85
14.	973	Repair of Motor Vehicles	20.54
15.	369	Manufacture of electrical apparatus	17.44
16.	284	Printing & Publishing of News papers	17.38
17.	285	Printing of Books & Journals	15.33
18.	214	Cashewnut processing	14.54
19.	289	Printing of picture & Post Card	
20.	343	Manufacture of Hand Tools & General Hard ware	11.87
21.	204	Manufacture of Grain Mill products	11.57
22.	300	Tyres & Tubes Industries	7.39
23.	342	Metal furniture & fixtures	6.10
24.	268	Coir & Coir products	5.99
25.	219	Manufacture of food products-Others	-5.74
26.	211	Manufacture of Other edible oils	3.00
27.	276	Wooden furniture & fixtures	2.39
28.		Other Industries	783.08
Total			3510.27



TABLE 22

## Summary of the Important Characteristics of the District

TRICHUR

Sl. No.	Items	Units	State Total		District Total		Percentage of District total to State total	Percentage of District Census Total to State Census Total	Percentage of District Non-census Total to State non-census Total		
			Census	Non-Census	Total Census	Non-Census Total					
1.	No. of Factories reported	No.	899	1474	2373	117	280	397	16.72	13.02	19.00
2.	Fixed capital	Rs. in lakhs	38757.53	1614.66	40372.19	645.79	257.01	902.80	2.23	1.67	21.91
3.	Working capital	"	11252.85	1103.16	12356.01	566.26	203.21	769.47	6.23	5.03	18.42
4.	Productive capital	"	50010.38	2717.82	52728.20	1212.05	460.22	1672.27	3.28	2.42	16.93
5.	Invested capital	"	52105.25	2819.89	54925.14	1408.25	460.13	1868.38	3.41	2.71	16.32
6.	Loans outstanding	"	39691.80	1314.69	41006.49	500.76	183.76	684.52	1.67	1.26	13.97
7.	No. of Workers	Nos.	176688	32088	208776	11653	4562	16215	7.76	6.60	14.22
8.	Total No. of Employees	"	201543	37754	239297	13004	5394	18398	7.68	6.45	14.28
9.	Wages to workers	Rs. in lakhs	4110.21	569.35	4679.56	342.14	87.83	429.97	9.19	8.33	15.43
10.	Wages and other benefits to employees,	"	6457.88	770.02	7227.90	442.58	110.17	552.75	7.65	6.86	14.31
11.	Material input	"	30212.13	6818.05	37030.18	2310.53	852.21	3162.74	8.54	7.65	15.50
12.	Total Input	"	31875.75	6972.67	38848.42	2365.15	873.91	3239.06	8.33	7.42	12.53
13.	Total Output	"	43599.56	8615.01	52214.57	3442.84	1114.22	4557.06	8.73	7.89	12.93
14.	Net Output	"	11723.81	1642.34	13366.15	1077.69	240.31	1318.00	9.86	9.20	14.63

TABLE 22.1

Arrangement of Industries according to No. of Units reported  
TRICHUR

Sl. No.	Code	Name of Industry	No. of units No.
1	320	Structural Clay Products	136
2	271	Saw Mills	53
3	211	Manufacture of other edible oils	26
4	289	Printing of picture and post card	15
5	973	Repair of Motor Vehicles	15
6	204	Manufacture of Grain Mill Products	14
7	302	Rubber and Rubber products	14
8	313	Manufacture of Drugs and Medicines	13
9	343	Manufacture of handtools and hardware	10
10	353	Industrial machinery for food and textiles	9
11	274	Manufacture of Bobbins and Blocks	7
12	214	Cashewnut processing	6
13	272	Manufacture of cane and bamboo works	6
14	231	Cotton spinning and weaving—Mills	5
15	202	Canning of fruits and vegetables	4
16	265	Manufacture of rain coats and hats	4
17	270	Manufacture of plywood and veneers	4
18	276	Wooden furniture and fixtures	4
19	317	Manufacture of Matches	4
20	268	Manufacture of coir and coir products	3
21	359	Manufacture of Non-electrical machinery	3
22		Other Industries	42
Total			397

TABLE 22.2

Arrangement of Industries according to Fixed Capital

TRICHUR

Sl. No.	Code	Name of Industries	Fixed capital Rs. in lakhs
1	320	Structural Clay products	152.16
2	231	Cotton spinning and weaving—mills	139.18
3	302	Manufacture of rubber and rubber products	64.86
4	289	Printing of picture and post card	50.75
5	211	Manufacture of other edible oils	20.82
6	313	Manufacture of Drugs and medicines	19.08

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Working Capital Rs. in lakhs</i>
7	271	Saw Mills	18.12
8	353	Industrial machinery for food and textiles	15.26
9	973	Repair of motor vehicles	14.08
10	202	Canning of Fruits and vegetables	13.68
11	270	Manufacture of plywood and veneers	11.97
12	343	Manufacture of Hand tools and hard ware	6.65
13	204	Manufacture of Grain mills products	5.43
14	272	Manufacture of cane and bamboo products	4.77
15	214	Cashewnut processing	3.96
16	359	Manufacture of non—electrical machinery	3.75
17	274	Manufacture of Bobbins and Blocks	2.03
18	268	Manufacture of coir and coir products	1.45
19	276	Wooden furniture and fixtures	1.28
20	265	Manufacture of Rain coats and Hats	0.69
51	317	Manufacture of Matches	0.30
22		Other Industries	352.53
Total			902.80

TABLE 22.3

**Arrangement of Industries according to Working Capital**  
**TRICHUR**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Working Capital Rs. in lakhs</i>
1	320	Manufacture of structural clay products	86.96
2	231	Cotton spinning and weaving—Mills	75.11
3	313	Manufacture of Drugs and Medicines	47.99
4	211	Manufacture of other edible oils	41.68
5	202	Canning of fruits and vegetables	28.35
6	265	Manufacture of Rain coats and Hats	27.83
7	270	Manufacture of plywood and veneers	17.93
8	271	Saw Mills	15.26
9	353	Industrial Machinery for food and Textiles	14.72
10	302	Manufacture of rubber and rubber products	12.52
11	214	Cashewnut processing	11.80
12	289	Printing of picture and post card	9.56

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Working capital Rs in lakhs</i>
13	973	Repair of Motor Vehicles	4.16
14	204	Manufacture of Grain mills products	4.07
15	276	Wooden furniture and fixtures	3.90
16	274	Manufacture of Bobbins and Blocks	2.50
17	343	Manufacture of Hand tools and hard ware	1.62
18	272	Manufacture of cane and bamboo works	0.66
19	359	Manufacture of Non-electrical machinery	0.48
20	268	Manufacture of coir and coir products	0.39
21	317	Manufacture of Matches	0.37
22		Other Industries	361.61
Total			769.47

**TABLE 22.4**  
**Arrangement of Industries According to Productive Capital**  
**TRICHUR**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Productive Capital Rs. in Lakhs</i>
1	320	Structural clay products	239.12
2	231	Spinning and Weaving cotton—Mills	214.29
3	302	Rubber and Rubber products—Others	77.38
4	313	Manufacture of Drugs and Medicines	67.07
5	211	Manufacture of other edible oils	62.50
6	289	Printing of picture and post cards	60.31
7	202	Canning of fruits and vegetables	42.03
8	271	Saw mills	33.38
9	353	Industrial machinery for food and textiles	29.98
10	270	Manufacture of plywood and veneers	29.90
11	265	Manufacture of rain coats and hats	28.52
12	973	Repair of Motor Vehicles	18.24
13	214	Cashewnut processing	15.76
14	204	Manufacture of Grain Mill products	9.50
15	343	Manufacture of hand tools and hard ware	8.27
16	272	Cane and Bamboo products	5.43
17	276	Manufacture of wooden furniture and fixtures	5.18
18	274	Manufacture of Bobbins and Blocks	4.53
19	359	Manufacture of Non-electrical machinery	4.23
20	268	Coir and coir products	1.84
21	317	Manufacture of matches	0.67
22		Other Industries	714.14
Total			1672.27

TABLE 22.5  
Arrangement of Industries according to Invested Capital

TRICHUR

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Invested capital Rs. in lakhs</i>
1.	231	Cotton spinning and weaving—Mills	256.12
2.	320	Manufacture of structural clay products	238.35
3.	211	"    other edible oils	62.87
4.	289	Printing of picture and post card	61.47
5.	313	Manufacture of Drugs and Medicines	55.17
6.	302	"    Rubber and Rubber Products	50.36
7.	202	Canning of fruits and vegetables	48.05
8.	272	Manufacture of cane and bamboo products	42.24
9.	271	Saw Mills	35.64
10.	353	Industrial Machinery for food and textiles	29.37
11.	214	Cashewnut processing	26.96
12.	270	Manufacture of plywood and veneers	22.34
13.	343	"    hand tools and hard ware	20.09
14.	973	Repair of motor vehicles	16.29
15.	265	Manufacture of rain coats and hats	14.83
16.	276	Wooden furniture and fixtures	9.79
17.	204	Manufacture of Grain Mill Products	5.48
18.	359	"    Non-electrical machinery	4.22
19.	274	"    Bobbins and Blocks	3.10
20.	268	"    coir and coir products	1.99
21.	317	"    Matches	0.72
22.		Other Industries	862.93
Total			1868.38

TABLE 22.6

Arrangement of Industries according to Loans Outstanding

TRICHUR

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Loans outstanding Rs. in lakhs</i>
1.	231	Spinning and weaving cotton—Mills	188.22
2.	320	Manufacture of structural clay products	69.53
3.	313	"    Drugs and Medicines	39.94
4.	202	Canning of Fruits and vegetables	31.59
5.	214	Cashewnut processing	26.28
6.	353	Industrial machinery for food and textiles	24.31
7.	211	Manufacture of other edible oils	23.71

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Loans outstanding Rs. in lakhs</i>
8.	271	Saw mills	20.22
9.	343	Manufacture of hand tools and hard ware	15.01
10.	289	Printing of picture and post card	13.13
11.	302	Manufacture of Rubber and Rubber products	11.08
12.	204	" Grain Mill products	8.12
13.	270	" Plywood and veneers	5.05
14.	276	Wooden furniture and fixtures	3.92
15.	272	Manufacture of cane and bomboo products	3.46
16.	973	Repair of motor vehicles	1.80
17.	274	Manufacture of Bobbins and Blocks	1.28
18.	268	" coir and coir products	0.88
19.	265	" Rain coats and hats	0.53
20.		Other Industries	196.46
Total			684.52

TABLE 22.7

**Arrangement of Industries according to  
all Workers and Employees**

TRICHUR

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>All workers No.</i>	<i>All employees No.</i>
1.	320	Structural clay products	5172	5643
2.	231	Spinning and weaving cotton—Mills	2349	2511
3.	214	Cashewnut processing	1827	1882
4.	271	Saw mill	611	748
5.	289	Printing of picture and post card	378	494
6.	313	Manufacture of Drugs and Medicines	340	408
7.	204	Canning of fruits and vegetables	318	373
8.	270	Manufacture of plywood and veneers	284	334
9.	211	" other edible oils	261	377
10.	973	Repair of motor vehicles	257	301
11.	353	Industrial machinery for food and textiles	204	266
12.	343	Manufacture of hand tools and hard ware	192	212
13.	302	" Rubber and Rubber products	178	442
14.	276	Wooden furniture and fixtures	132	140
15.	204	Manufacture of Grain mills products	128	138

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>All workers No.</i>	<i>All employers No.</i>
16.	265	Manufacture of rain coats and hats	34	100
17.	274	" Bobbins and blocks	53	70
18.	268	" coir and coir products	38	50
19.	317	" Matches	34	44
20.	272	" cane and Bamboo products	30	44
21.	359	" Non-electrical machinery	7	15
22.		Other Industries	3338	3806
Total			16215	18398

TABLE 22.8

**Arrangement of Industries according to Wages to Workers and Emoluments**

TRICHUR

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Wages to workers</i>	<i>Total emoluments</i>
			<i>Rs. in lakhs</i>	
1.	320	Manufacture of structural clay products	101.13	118.81
2.	231	Spinning and weaving of cotton—Mills	95.91	105.77
3.	214	Cashewnut processing	18.39	21.30
4.	289	Printing of picture and post card	11.38	15.40
5.	973	Repair of motor vehicles	11.13	13.77
6.	302	Manufacture of Rubber and Rubber products	6.98	10.90
7.	353	Industrial Machinery for food and textiles	6.75	9.01
8.	271	Saw mills	6.74	8.68
9.	313	Manufacture of Drugs and Medicines	6.55	10.84
10.	270	" Plywood and veneers	6.53	4.89
11.	343	" Hand tools and hard ware	5.78	6.63
12.	211	" other edible oils	4.87	8.69
13.	276	Wooden furniture and fixtures	4.20	4.46
14.	202	Canning of fruits and vegetables	4.17	7.38
15.	204	Manufacture of Grain mill products	1.98	2.08
16.	265	" rain coats and hats	1.00	1.09

Sl. No.	Code	Name of Industry	Wages to workers	Total emoluments Rs. in lakhs
17.	274	Manufacture of Bobbins and blocks	0.85	1.30
18.	272	" cane and bamboo products works	0.65	0.84
19.	268	" coir and coir products	0.44	0.53
20.	317	" matches	0.11	0.18
21.	359	" Non-electrical machinery	0.10	0.22
22.		Other Industries	134.33	199.98
Total			429.97	552.75

TABLE 22.9

## Arrangement of Industries according to Total Input

TRICHUR

Sl. No.	Code	Name of Industry	Total input Rs. in lakhs
1.	211	Manufacture of other edible oils	556.85
2.	231	Spinning and weaving cotton—Mills	486.13
3.	302	Manufacture of Rubber and Rubber products	178.93
4.	320	" structural clay products	165.35
5.	214	Cashewnut processing	112.82
6.	265	Manufacture of rain coats and hats	86.98
7.	271	Saw mills	86.57
8.	313	Manufacture of drugs and medicines	70.33
9.	202	Canning of fruits and vegetables	62.84
10.	343	Manufacture of hand tools and hardware	54.53
11.	270	" plywood and veneers	33.22
12.	353	Industrial machinery for food and textiles	32.98
13.	289	Printing of picture and post card	28.10
14.	272	Manufacture of cane and bamboo products	22.94
15.	973	Repair of motor vehicles	18.31
16.	276	Wooden furniture and fixtures	11.07
17.	268	Manufacture of coir and coir products	4.80
18.	274	" bobbins and blocks	4.08
19.	204	" grain mills products	1.50
20.	359	" non-electrical machinery	0.99
21.	317	" matches	0.38
22.		Other Industries	1219.36
Total			3239.06



TABLE 22.10

## Arrangement of Industries according to Total Output

TRICHUR

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Total output Rs. in lakhs</i>
1.	231	Spinning and weaving cotton—Mills	722.82
2.	211	Manufacture of other edible oils	594.21
3.	320	„ structural clay products	325.99
4.	302	„ rubber and rubber products	229.21
5.	214	Cashewnut processing	151.77
6.	313	Manufacture of Drugs and medicines	115.74
7.	271	Saw mills	101.51
8.	265	Manufacture of rain coats and hats	100.35
9.	202	Canning of fruits and vegetables	78.90
10.	343	Manufacture of hand tools and hard ware	64.85
11.	289	Printing of picture and post card	50.90
12.	353	Industrial machinery for food and textiles	48.68
13.	270	Manufacture of plywood and veneers	45.98
14.	973	Repair of motor vehicles	34.49
15.	272	Manufacture of cane and bamboo works	25.45
16.	276	Wooden furniture and fixtures	18.15
17.	274	Manufacture of bobbins and blocks	6.68
18.	268	„ coir and coir products	6.35
19.	204	„ grain mills products	3.64
20.	359	„ non-electrical machinery	1.21
21.	317	„ matches	0.63
22.		Other Industries	1829.55
		Total	4557.06

TABLE 22.11

**Arrangement of Industries according to Net output**  
(Value added by manufacture)

TRICHUR

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Net output Rs. in lakhs</i>
1.	231	Cotton spinning and weaving—Mills	236.69
2.	320	Structural clay products	158.24
3.	302	Rubber and rubber products—Others	50.28
4.	313	Manufacture of drugs and medicines	45.51
5.	214	Cashewnut processing	38.95
6.	211	Manufacture of other edible oils	37.36
7.	289	Printing of picture and post card	23.00
8.	973	Repair of motor vehicles	18.18
9.	202	Canning of fruits and vegetables	16.06
10.	353	Industrial machinery for food and textiles	15.70
11.	271	Saw mills	14.92
12.	265	Manufacture of rain coats and hats	13.37
13.	270	„ plywood and veneers	12.76
14.	343	„ hand tools and hard ware	10.32
15.	276	Wooden furniture and fixtures	7.08
16.	274	Manufacture of bobbins and blocks	2.60
17.	272	„ cane and Bamboo products	2.49
18.	204	„ Grain mill products	2.14
19.	268	„ coir and coir products	1.55
20.	317	„ matches	0.25
21.	359	„ non-electrical machinery	0.22
22.		Other Industries	610.33
		<b>Total</b>	<b>1318.00</b>

TABLE 23  
Summary of the important characteristics of the District

PALGHAT

Sl. No.	Items	Unit	State Total		District Total		Percentage of District total to State total				
			(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1.	No. of factories reported	No.	899	1474	2373	44	158	202	8.52	4.90	10.72
2.	Fixed capital	Rs. in lakhs	38757.53	1614.66	40372.19	535.00	62.44	597.43	1.47	1.38	3.86
3.	Working capital	"	11252.85	1103.16	12356.01	253.50	53.53	307.03	2.48	2.25	4.85
4.	Productive capital	"	50010.38	2717.82	52728.20	788.50	115.97	904.46	1.70	1.57	4.27
5.	Invested capital	"	52105.25	2819.89	54925.14	928.86	113.04	1061.90	1.93	1.78	4.72
6.	Loans outstanding	"	39691.80	1314.69	41006.49	536.29	81.98	618.27	1.51	1.36	6.24
7.	No. of workers	Nos.	176688	32088	208776	3837	2084	5921	2.84	2.18	6.49
8.	Total No. of employees	"	201543	37754	239297	4691	2496	7187	3.00	2.32	6.62
9.	Wages to workers	Rs. in lakhs	4110.21	569.35	4679.56	109.20	27.36	136.56	2.92	2.65	4.81
10.	Wages and other benefit to employees	"	6457.88	770.02	7227.90	151.76	36.46	188.22	2.61	2.35	4.73
11.	Material input	"	30212.13	6818.05	37030.18	998.38	395.83	1394.22	3.77	3.31	5.81
12.	Total input	"	31875.75	6972.67	38848.42	1045.49	401.16	1446.65	3.73	3.27	5.75
13.	Total output	"	43599.56	8615.01	52214.57	1404.95	516.97	1921.92	3.68	3.22	6.01
14.	Net output	"	11723.81	1642.34	13366.15	359.46	115.81	475.27	3.55	3.06	7.05

TABLE 23.1

**Arrangement of industries according to No. of Units reported**  
**PALGHAT**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>No. of Units</i>
1.	204	Manufacture of Grain Mill Products	50
2.	271	Saw Mills	45
3.	320	Manufacture of Structural clay products	12
4.	211	"    of other edible oils	9
5.	302	"    of rubber and rubber products	7
6.	973	Repair of Motor Vehicles	6
7.	270	Manufacture of Plywood & Veneers	5
8.	226	"    of Beedi	4
9.	340	Metal Cans & Tin plate	4
10.	353	Machinery for Food & Textiles	4
11.	285	Printing of Books & Journals	3
12.	311	Manufacture of Fertilizers & Pesticides	3
13.	313	Manufacture of Drugs & Medicines	3
14.	331	Castings & Forging of Iron & Steel	3
15.	343	Manufacture of Agricultural Implements	3
16.	345	Manufacture of Metal Utensils & Cutlery	3
17.	350	Manufacture of Agricultural Machinery	3
18.	360	Manufacture of Electrical Apparatus	3
19.		Other Industries	32
Total			202

TABLE 23.2

**Arrangement of Industries according to Fixed Capital**  
**PALGHAT**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Fixed capital Rs. in lakhs</i>
1.	204	Manufacture of Grain Mill products	23.81
2.	285	Printing of Books & Journals	22.44
3.	271	Saw Mills	15.50
4.	343	Manufacture of Agricultural Implements	11.64
5.	320	Manufacture of Structural clay products	9.32
6.	973	Repair of Motor Vehicles	8.67
7.	350	Manufacture of Agricultural Machinery	7.35
8.	313	Manufacture of Drugs & Medicines	6.97

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Fixed Capital Rs. in Lakhs</i>
9	302	Manufacture of Rubber & Rubber products	6.59
10.	360	Manufacture of Electrical apparatus	5.47
11.	270	Manufacture of Plywood & Veneers	3.66
12.	340	Manufacture of Metal Cans & Tin plates	3.42
13.	211	Manufacture of other edible oils	3.39
14.	311	Manufacture of Fertilizers & Pesticides	2.39
15.	331	Castings & Forgings of Iron & Steel	2.18
16.	343	Manufacture of Metal Utensils & Cutlery	1.16
17.	353	Machinery for food & textiles	0.86
18.	226	Manufacture of beedi	0.05
19.		Other industries	464.96
Total			597.44

TABLE 23.3

**Arrangement of Industries according to working Capital  
PALGHAT**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Working capital Rs. in lakhs</i>
1.	271	Saw Mills	20.52
2.	311	Manufacture of Fertilizers & pesticides	18.57
3.	343	Manufacture of Agricultural implements	14.16
4.	331	Castings & Forging of Iron & steel	14.06
5.	360	Manufacture of electrical apparatus	12.81
6.	320	Manufacture of structural clay-products	12.12
7.	350	Manufacture of Agricultural Machinery	9.87
8.	313	Manufacture of Drugs & Medicines	9.26
9.	353	Machinery for food & textiles	7.43
10.	302	Manufacture of rubber & rubber products	3.89
11.	270	Manufacture of Plywood & Veneers	3.47
12.	211	Manufacture of other edible oils	3.33
13.	204	Manufacture of Grain Mill products	2.52
14.	345	Metal utensils & Cutlery	1.90
15.	285	Printing of Books & Journals	0.75
16.	340	Metal Cans & Tin plates	0.12
17.	973	Repair of Motor Vehicles	0.09
18.	226	Manufacture of beedi	0.04
19.		Other Industries	172.07
Total			307.03

TABLE 23.4  
**Arrangement of Industries according to Productive Capital**  
**PALGHAT**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Productive capital Rs. in lakhs</i>
1.	271	Saw Mills	36.02
2.	204	Manufacture of Grain Mill Products	26.33
3.	343	Manufacture of Agricultural Implements	25.80
4.	285	Printing of Books & Journals	23.19
5.	320	Manufacture of Structural clay-products	21.44
6.	311	Manufacture of Fertilizers & pesticides	20.96
7.	360	Manufacture of electrical apparatus	18.28
8.	350	Manufacture of Agricultural machinery	17.22
9.	331	Castings & Forgings of Iron & Steel	16.24
10.	313	Manufacture of Drugs & Medicines	16.23
11.	302	Manufacture of Rubber & Rubber products	10.48
12.	973	Repair of Motor Vehicles	8.76
13.	353	Machinery for food & textiles	8.34
14.	270	Manufacture of Plywood & Veneers	7.13
15.	211	Manufacture of other edible oils	6.72
16.	340	Metal containers & tin plate	3.54
17.	345	Manufacture of Metal Utensils & Cutlery	3.06
18.	226	Manufacture of beedi	0.09
19.		Other industries	634.64
<b>Total</b>			<b>904.47</b>

TABLE 23.5  
**Arrangement of Industries according to Invested Capital**  
**PALGHAT**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Invested capital Rs. in lakhs</i>
1	343	Manufacture of Agricultural implements	36.85
2	272	Saw Mills	34.03
3.	204	Manufacture of Grain Mill products	25.98
4.	320	Manufacture of Structural clay-products	23.22
5.	285	Printing of Books & Journals	22.92
6.	331	Castings & Forging of Iron	22.86
7.	313	Manufacture of Drugs & Medicines	20.59
8.	311	Manufacture of Fertilizers & pesticides	20.12

<i>Sl. No</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Invested Capital Rs. in lakhs</i>
9.	211	Manufacture of other edible oils	19.60
10.	350	Agricultural Machinery	17.82
11.	360	Manufacture of electrical apparatus	16.26
12.	973	Repair of Motor Vehicles	8.67
13.	353	Machinery for food & Textiles	7.20
14.	302	Manufacture of Rubber & Rubber products	6.43
15.	270	Manufacture of Plywood & Veneers	6.01
16.	340	Manufacture of Metal Cans & Tin plate	5.91
17.	345	Manufacture of Metal utensils & cutlery	2.84
18.	226	Manufacture of Beedi	0.09
19.		Other Industries	764.50
<b>Total</b>			<b>1061.90</b>

TABLE 23.6

**Arrangement of Industries according to Loans Outstanding  
PALGHAT**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Loans outstanding Rs. in lakhs</i>
1.	343	Manufacture of Agricultural implements	36.68
2.	331	Castings & Forgings of Iron	18.60
3.	211	Manufacture of other edible oils	14.95
4.	320	Manufacture of Structural clay-products	13.69
5.	313	Manufacture of Drugs & Medicines	10.73
6.	350	Agricultural Machinery	8.92
7.	302	Manufacture of Rubber & Rubber products	6.70
8.	340	Metal Cans & Tin plate	6.65
9.	345	Metal Utensils & Cutlery	4.82
10.	271	Saw Mills	3.07
11.	360	Manufacture of electrical apparatus	2.89
12.	353	Machinery for food & Textiles	2.77
13.	270	Manufacture of Plywood & Veneers	1.78
14.	973	Repair of Motor Vehicles	1.16
15.	204	Manufacture of Grain Mill products	0.27
16.	311	Manufacture of fertilizer & pesticides	0.20
17.		Other industries	484.39
<b>Total</b>			<b>618.27</b>

TABLE 23.7  
Arrangement of Industries according to Workers & Employees  
PALGHAT

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>All workers No.</i>	<i>All employees No.</i>
1.	271	Saw Mills	911	1019
2.	320	Manufacture of Structural clay products	643	799
3.	343	Manufacture of Agricultural implements	303	466
4.	350	Manufacture of Agricultural Machinery	241	334
5.	204	Manufacture of Grain Mill Products	225	299
6.	285	Printing of Books & Journals	206	246
7.	226	Manufacture of Beedi	170	180
8.	353	Machinery for food & Textiles	134	148
9.	360	Manufacture of electrical apparatus	131	154
10.	340	Metal Cans & Tin plate	122	160
11.	973	Repair of Motor Vehicles	118	132
12.	270	Manufacture of Plywood & Veneers	116	132
13.	313	Manufacture of Drugs & Medicines	83	113
14.	302	Manufacture of Rubber & Rubber products	81	109
15.	331	Castings & Forging of Iron	72	90
16.	211	Manufacture of other edible oils	68	91
17.	345	Metal Utensils & Cutlery	62	77
18.	311	Manufacture of fertilizers & Pesticides	49	70
19.		Other industries	2105	2570
Total			5921	7187

TABLE 23.8  
Arrangement of Industries according to Wages to workers  
and Emoluments

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Wages to workers</i>	<i>Total emoluments Rs. in lakhs</i>
1.	320	Manufacture of Structural clay products	12.27	14.50
2.	285	Printing of Books & Journals	10.73	12.30
3.	271	Saw Mills	8.25	10.50
4.	343	Manufacture of Agricultural implements	7.81	10.77
5.	350	Manufacture of Agricultural machinery	6.07	8.81



<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Wage to Workers</i>	<i>Total emoluments Rs. in lakhs</i>
6.	204	Manufacture of Grain Mill products	3.45	4.36
7.	353	Machinery for food & textiles	3.05	3.17
8.	973	Repair of Motor Vehicles	2.81	3.35
9.	226	Manufacture of Beedi	2.58	2.72
10.	313	Manufacture of drugs & medicines	2.51	3.98
11.	360	Manufacture of electrical apparatus	2.42	3.50
12.	302	Manufacture of Rubber & Rubber products	1.97	2.96
13.	340	Metal Cans & Tin plate	1.73	2.76
14.	331	Castings & forging of Iron & Steel	1.40	2.21
15.	211	Manufacture of other edible oils	1.39	1.95
16.	270	Manufacture of Plywood & Veneers	1.26	1.62
17.	345	Metal utensils & Cutlery	1.04	1.27
18.	311	Manufacture of fertilizers & pesticides	0.89	2.02
19.		Other industries	64.93	95.67
Total			136.56	188.22

TABLE 23.9

## Arrangement of industries according to input

## PALGHAT

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Total input Rs. in lakhs</i>
1.	211	Manufacture of other edible oils	262.32
2.	271	Saw Mills	65.65
3.	311	Manufacture of Fertilizers & Pesticides	63.00
4.	343	Agricultural Implements	57.67
5.	204	Manufacture of Grain Mill Products	51.72
6.	313	Manufacture of Drugs & Medicines	27.64
7.	302	Manufacture of Rubber & Rubber products	24.37
8.	320	Manufacture of Structural clay products	22.42
9.	350	Manufacture of Agricultural machinery	22.30
10.	353	Machinery for food & textiles	21.56
11.	331	Castings & Forging of Iron & Steel	16.93
12.	360	Manufacture of electrical apparatus	15.68
13.	973	Repair of Motor Vehicles	11.73
14.	340	Metal cans & Tin plate	11.68
15.	270	Manufacture of plywood & Veneers	8.38
16.	285	Printing of books & Journals	6.95
17.	345	Metal Utensils & Cutlery	4.48
18.	226	Manufacture of beedi	1.98
19.		Other Industries	750.19
Total			1446.65

TABLE 23.10

## Arrangement of industries according to total output

PALGHAT

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Total output Rs. in lakhs</i>
1.	211	Manufacture of other edible oils	332.77
2.	271	Saw Mills	84.52
3.	343	Manufacture of Agricultural Implements	77.72
4.	204	Manufacture of Grain Mill products	68.96
5.	311	Manufacture of fertilizers & pesticides	66.83
6.	320	Manufacture of structural clay products	46.16
7.	350	Manufacture of Agricultural Machinery	38.77
8.	313	Manufacture of Drugs & Medicines	31.45
9.	302	Manufacture of Rubber & Rubber products	28.71
10.	353	Machinery for food & Textiles	27.28
11.	285	Printing of Books & Journals	19.24
12.	360	Manufacture of electrical apparatus	18.39
13.	331	Castings & Forging of Iron & Steel	17.85
14.	340	Metal Cans & Tin plate	15.62
15.	973	Repair of Motor Vehicles	15.32
16.	270	Manufacture of Plywood & Veneers	11.55
17.	226	Manufacture of Beedi	4.95
18.	345	Metal utensils & Cutlery	4.84
19.		Other industries	1010.99
<b>Total</b>			<b>1921.92</b>

TABLE 23.11

**Arrangement of Industries according to Net Output**  
(Value added by manufacture)

PALGHAT

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Net output Rs. in lakhs</i>
1.	211	Manufacture of other edible oils	70.45
2.	320	Manufacture of Structural clay products	23.74
3.	343	Manufacture of Agricultural Implements	20.05
4.	271	Saw Mills	18.87
5.	204	Manufacture of Grain Mill Products	17.24
6.	350	Manufacture of Agricultural Machinery	16.47
7.	285	Printing of Books & Journals	12.29
8.	353	Manufacture of Machinery for food & textiles	5.72
9.	302	Manufacture of Rubber & Rubber products	4.34
10.	340	Manufacture of Metal Cans & Tin plate	3.94
11.	311	Manufacture of fertilizers & Pesticides	3.83
12.	313	Manufacture of Drugs & Medicines	3.81
13.	973	Repair of Motor Vehicles	3.59
14.	270	Manufacture of Plywood & Veneers	3.17
15.	226	Manufacture of Beedi	2.97
16.	360	Manufacture of electrical apparatus	2.71
17.	331	Castings & Forging of Iron & Steel	0.92
18.	345	Manufacture of Metal Utensils & Cutlery	0.37
19.		Other industries	260.79
<b>Total</b>			<b>475.27</b>

TABLE 24  
Summary of the important Characteristics of the District

MALAPPURAM

Sl. No.	Item	Units	State Total		District Total		(9)	(10)	(11)	(12)	
			Census	Non-census	Total	Census					Non-census
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1.	No. of Factories reported	Nos.	899	1474	2373	9	26	35	1.47	1.02	1.76
2.	Fixed capital	Rs. in lakhs	38757.53	16146.66	40372.19	80.85	20.02	100.87	0.25	0.22	1.44
3.	Working capital	"	11252.85	1103.16	12356.01	44.83	4.77	49.60	0.41	0.40	0.43
4.	Productive capital	"	50010.38	2717.82	52728.20	125.68	24.79	150.47	0.28	0.25	0.92
5.	Invested capital	"	52105.25	2819.19	54925.14	150.25	23.79	174.04	0.31	0.28	0.85
6.	Loan outstanding	"	39691.80	1314.69	41006.49	90.09	10.30	100.39	0.25	0.23	0.78
7.	No. of workers	Nos.	176688	32088	208776	986	272	1258	0.61	0.55	0.85
8.	Total No. of employees	"	201543	37754	239297	1115	338	1453	0.60	0.55	0.89
9.	Wages to workers	Rs. in lakhs	4110.21	569.35	4679.56	32.92	3.64	36.56	0.78	0.81	0.63
10.	Wages and other benefits to employees	"	6457.88	770.02	7227.90	42.94	4.84	47.78	0.66	0.66	0.63
11.	Material input	"	30212.13	6818.05	37030.18	193.89	20.26	214.15	0.58	0.64	0.30
12.	Total input	"	31875.75	6972.67	38848.42	201.76	21.94	223.70	0.58	0.63	0.31
13.	Total output	"	43599.56	8615.01	52214.57	332.60	28.30	360.90	0.69	0.76	0.33
14.	Net output	"	11723.81	1642.34	13366.15	130.84	6.36	137.20	1.03	1.12	0.38

Percentage of District total to State total

Percentage of District Census total to State Census total

Percentage of District Non-census total to State Non-census Total

**TABLE 24.1**  
**Arrangement of Industries according to No. of Units**  
**MALAPPURAM**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>No. of Units No.</i>
1.	973	Repair of motor vehicles	6
2.	204	Grain mill products	4
3.	271	Saw mills	3
4.		Other Industries	22
<b>Total</b>			<b>35</b>

**TABLE 24.2**  
**Arrangement of Industries according to Fixed Capital**  
**MALAPPURAM**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Fixed Capital Rs. in lakhs</i>
1.	973	Repair of motor vehicles	2.15
2.	271	Saw mills	1.98
3.	204	Grain mill products	1.78
4.		Other Industries	94.96
<b>Total</b>			<b>100.87</b>

**TABLE 24.3**  
**Arrangement of Industries according to Working Capital**  
**MALAPPURAM**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Working capital Rs. in lakhs</i>
1.	271	Saw mills	0.81
2.	973	Repair of motor vehicles	0.51
3.		Other Industries	48.28
<b>Total</b>			<b>49.60</b>

**TABLE 24.4**  
**Arrangement of Industries according to Productive Capital**  
**MALAPPURAM**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Productive capital Rs. in lakhs</i>
1.	271	Saw mills	2.79
2.	973	Repair of motor vehicles	2.66
3.	204	Manufacture of Grain mill products	1.78
4.		Other Industries	133.24
<b>Total</b>			<b>150.47</b>

TABLE 24.5  
Arrangement of Industries according to Invested Capital  
MALAPPURAM

Sl. No.	Code	Name of Industry	Invested capital Rs. in lakhs
1.	973	Repair of motor vehicles	2.76
2.	271	Saw mills	2.36
3.	204	Grain mill products	1.78
4.		Other Industries	167.14
Total			174.04

TABLE 24.6  
Arrangement of Industries according to Loans Outstanding  
MALAPPURAM

Sl. No.	Code	Name of Industry	Loans outstanding Rs. in lakhs
1.	271	Saw mills	1.34
2.	963	Repair of motor vehicles	0.21
3.		Other Industries	98.84
Total			100.39

TABLE 24.7  
Arrangement of Industries according to Workers and Employees  
MALAPPURAM

Sl. No.	Code	Name of Industry	%	All workers No.	All employees No.
1.	271	Saw mills	0.04	89	106
2.	973	Repair of motor vehicles	0.03	68	82
3.	204	Grain mill products	0.01	8	12
4.		Other Industries	0.53	1093	1253
Total			0.61	1115	1453

TABLE 24.8  
Arrangement of Industries according to wages to  
Workers and Emoluments  
MALAPPURAM

Sl. No.	Code	Name of Industry	%	Wages to workers	Total emoluments Rs. in lakhs
1.	973	Repair of motor vehicles	0.04	1.97	2.50
2.	271	Saw mills	0.02	0.67	0.92
3.	204	Grain mill products	0.01	0.07	0.14
4.		Other Industries	0.71	33.85	44.22
Total			0.78	36.56	47.78

TABLE 24.9  
Arrangement of Industries according to Total Input  
MALAPPURAM

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Total input Rs. in lakhs</i>
1.	271	Saw mills	5.26
2.	973	Repair of motor vehicles	3.39
3.	204	Grain mills products	0.26
4.		Other Industries	214.69
Total			223.70

TABLE 24.10  
Arrangement of Industries according to Total Output  
MALAPPURAM

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Total output Rs. in lakhs</i>
1.	271	Saw mills	6.37
2.	973	Repair of motor vehicles	6.17
3.	204	Grain mill products	0.17
4.		Other Industries	348.19
Total			360.90

TABLE 24.11  
Arrangement of Industries according to Net Output  
(Value added by manufacture)

MALAPPURAM			
<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Net output Rs. in lakhs</i>
1.	973	Repair of motor vehicles	2.78
2.	271	Saw mills	1.11
3.	204	Grain mill product	0.19
4.		Other Industries	133.50
Total			137.20

TABLE 25  
Summary of the Important Characteristics of the District

KOZHIKODE

Sl. No.	Items	Units	State Total		District Total		Percentage of District		Percentage of District		
			Census	Non Census	Census	Non Census	Total to State Total	Census total to State	Non Census total to State Non Census	Census total	Non Census total to District
			(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1.	No. of factories reported	Nos.	899	1474	2373	95	182	277	11.68	10.56	12.34
2.	Fixed capital Rs. in lakhs.		38757.53	1614.66	40372.19	732.38	154.25	886.63	2.19	1.88	9.55
3.	Working capital		11252.85	1103.16	12356.01	733.23	143.51	876.74	7.09	6.52	13.01
4.	Productive capital		50010.38	2717.82	52728.20	1465.61	297.76	1763.37	3.33	2.93	10.95
5.	Invested capital		52105.25	2819.89	54925.14	1491.73	266.58	1758.32	3.21	2.86	9.45
6.	Loans outstanding		39691.80	1314.69	41006.49	329.55	246.13	575.68	1.41	0.83	18.73
7.	No. of workers	No.	1766.88	320.88	208776	11520	3224	14744	7.07	6.52	10.04
8.	Total No. of employees		201543	37754	239297	13518	3962	17480	7.30	6.71	10.50
9.	Wages to workers		4110.21	569.35	4679.56	357.55	61.34	418.89	8.96	8.70	10.77
10.	Wages and other benefits to employees		6457.88	770.02	7227.90	533.95	87.09	621.05	8.59	8.26	11.32
11.	Material input		30212.13	6818.05	37030.18	2248.71	407.72	2656.43	7.18	7.45	5.98
12.	Total input		31875.75	6972.67	38848.42	2355.23	419.93	2775.16	7.15	7.38	6.02
13.	Total output		43599.56	8615.01	52214.57	3319.56	591.03	3910.59	7.48	7.62	6.86
14.	Net output		11723.81	1642.34	13366.15	964.33	171.10	1135.43	8.49	8.22	10.42



TABLE 25.1  
Arrangement of Industries according to No. of Units

KOZHIKODE

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>No. of units No.</i>
1.	271	Saw Mills	97
2.	320	Manufacture of structural clay products	20
3.	973	Repair of Motor vehicles	19
4.	235	Spinning&Weaving of cotton-Handlooms	11
5.	302	Manufacture of Rubber&Rubber products	11
6.	268	Manufacture of Coir &Coir products	10
7.	270	Manufacture of Plywood &Veneers	10
8.	212	Tea processing	9
9.	289	Printing of Picture &Post card	8
10.	284	Printing &Publishing of News papers	7
11.	265	Manufacture of Rain coats &Hats	5
12.	213	Coffee Curing &Roasting	4
13.	285	Printing of Books & Journals	4
14.	310	Manufacture of Basic Industrial Chemicals	4
15.	345	Manufacture of Metal utensils&cutlery	4
16.	203	Canning of Fish&Similar foods	3
17.	260	Knitting Mills	3
18.	313	Manufacture of Drugs&Medicines	3
19.	314	Manufacture of Perfumes &Lotions	3
20.	323	Manufacture of Chinaware& Porcelainware	3
21.	330	Manufacture of Iron&Steel Industries	3
22.		Other Industries	36
Total			277

TABLE 25.2

Arrangement of Industries according to Fixed Capital

KOZHIKODE

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Fixed Capital Rs. in lakhs.</i>
1.	212	Tea processing	51.57
2.	310	Manufacture of Basic Industrial Chemicals	40.73
3.	284	Printing&Publishing of news paper	36.40
4.	330	Manufacture of Iron&Steel Industries	34.52
5.	320	Manufacture of Structural clay products	33.93
6.	271	Saw Mills	25.39
7.	973	Repair of Motor vehicles	22.72

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Fixed Capital Rs. in Lakhs</i>
8.	314	Manufacture of Perfumes&Lotions	21.40
9.	302	Manufacture of Rubber&Rubber products	16.27
10.	203	Canning of Fish&Similar foods	14.46
11.	270	Manufacture of Plywood&Veneers	13.27
12.	213	Coffee curing &Roasting	12.30
13.	313	Manufacture of Drugs&Medicines	9.51
14.	235	Spinning&Weaving of Cotton-Handlooms	8.40
15.	239	Printing of Picture&Post card	7.90
16.	345	Metal utensils&cutlery	4.72
17.	268	Manufacture of Coir&Coir Products	3.96
18.	260	Knitting Mills	2.96
19.	323	Manufacture of Chinaware&Porcelainware	2.08
20.	285	Printing of Books&Journals	1.95
21.	265	Manufacture of Rain coats&Hats	0.33
22.		Other Industries	521.86
Total			886.63

TABLE 25.3

## Arrangement of Industries according to Working Capital

KOZHIKODE

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Working Capital Rs. in lakhs.</i>
1.	284	Printing&Publishing of news papers	63.88
2.	314	Manufacture of perfumes&lotions	52.99
3.	212	Tea processing	37.54
4.	320	Manufacture of structural clay products	32.99
5.	235	Spinning &Weaving of Cotton-Handlooms	26.17
6.	270	Manufacture of Plywood&Veneers	22.60
7.	265	Manufacture of Rain Coats & Hats	22.16
8.	330	Manufacture of Iron&Steel Industries	20.52
9.	271	Saw Mills	18.81
10.	973	Repair of Motor Vehicles	18.00
11.	268	Manufacture of Coir&Coir Products	12.76
12.	310	Manufacture of Basic Industrial Chemicals	12.14
13.	302	Manufacture of Rubber&Rubber Products	12.01
14.	260	Knitting Mills	8.38
15.	345	Manufacture of Metal Utensils&Cultery	7.53
16.	213	Coffee Curing&Roasting	3.87

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Working Capital Rs. in Lakhs</i>
17.	289	Printing of Picture & Post Card	2.83
18.	313	Manufacture of Drugs & Medicines	1.19
19.	323	Manufacture of Chinaware & Porcelainware	0.47
20.	285	Printing of Books & Journals	0.32
21.	203	Canning of fish & Similar Foods	0.22
22.		Other Industries	499.36
<b>Total</b>			<b>876.74</b>

TABLE 25.4

**Arrangement of Industries according to Productive Capital**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Productive Capital Rs. in lakhs</i>
1.	284	Printing & Publishing of News Papers	100.28
2.	212	Tea processing	89.11
3.	314	Manufacture of perfumes & lotions	74.39
4.	320	Manufacture of structural clay products	66.92
5.	330	Manufacture of Iron & Steel Industries	55.04
6.	310	Manufacture of Basic Industrial Chemicals	52.87
7.	271	Saw Mills	44.20
8.	973	Repair of Motor Vehicles	40.72
9.	270	Manufacture of Plywood & Veneers	35.87
10.	235	Spinning & Weaving of Cotton-Handlooms	34.57
11.	302	Manufacture of Rubber & Rubber Products	28.28
12.	265	Manufacture of Rain Coats & Hats	22.49
13.	268	Manufacture of Coir & Coir products	16.72
14.	213	Coffee culling & Roasting	16.17
15.	203	Canning of fish & Similar foods	14.68
16.	345	Manufacture of Metal utensils & Cutlery	12.25
17.	260	Knitting Mills	11.34
18.	289	Printing of Picture & Post Card	10.73
19.	313	Manufacture of Drugs & Medicines	10.70
20.	323	Manufacture of Chinaware & Porcelainware	2.55
21.	285	Printing of Books & Journals	2.27
22.		Other Industries	1021.22
<b>Total</b>			<b>1763.37</b>

TABLE 25.5  
Arrangement of Industries according to Invested Capital  
KOZHIKODE

Sl. No.	Code	Name of Industry	Invested Capital Rs. in lakhs
1.	330	Manufacture of Iron&Steel Industries	93.16
2.	212	Tea Processing	86.35
3.	320	Manufacture of structural clay products	66.36
4.	314	Manufacture of perfumes&lotions	66.35
5.	284	Printing&Publishing of News Papers	55.12
6.	310	Manufacture of Basic Industrial Chemicals	43.28
7.	973	Repair of Motor Vehicles	34.79
8.	268	Manufacture of Coir&Coir products	33.23
9.	235	Spinning&Weaving of Cotton-Handlooms	32.40
10.	270	Manufacture of Plywood&Veneers	31.09
11.	271	Saw Mills	29.94
12.	302	Manufacture of Rubber&Rubber Products	25.54
13.	313	Manufacture of Drugs&Medicines	23.08
14.	265	Manufacture of Rain Coats&Hats	17.65
15.	203	Canning of Fish&Similar foods	16.73
16.	213	Coffee Curing&Roasting	13.35
17.	289	Printing of Picture&post Card	12.33
18.	260	Knitting Mills	7.95
19.	323	Manufacture of Chinaware&Porcelainware	4.05
20.	285	Printing of Books & Journals	2.58
21.	345	Manufacture of Metal utensils&cutlery	1.32
22.		Other Industries	1061.66
Total			1758.31

TABLE 25.6  
Arrangement of Industries according to Loans Outstanding  
KOZHIKODE

Sl. No.	Code	Name of Industry	Loans outstanding Rs. in lakhs
1.	314	Manufacture of perfumes and lotions	150.74
2.	320	„ structural clay products	45.54
3.	330	„ Iron and Steel Industries	43.01
4.	284	Printing and Publishing of Newspapers	31.18
5.	313	Manufacture of Drugs and Medicines	24.82
6.	268	„ Coir and Coir products	22.84
7.	260	Knitting Mills	19.70

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Loans outstanding Rs. in lakhs</i>
8.	271	Saw Mills	16.06
9.	302	Manufacture of Rubber and Rubber products	14.05
10.	973	Repair of Motor Vehicles	13.10
11.	203	Canning of fish and Similar foods	11.35
12.	289	Printing of picture and post card	8.26
13.	235	Spinning and weaving of cotton—Handlooms	7.37
14.	270	Manufacture of Plywood and Veneers	6.53
15.	345	Metal utensils and cutlery	5.91
16.	213	Coffee curing and Roasting	5.46
17.	323	Manufacture of chinaware and porcelainware	5.21
18.	310	Basic Industrial Chemicals	2.29
19.	260	Knitting Mills	2.20
20.	285	Printing of Books and Journals	0.83
21.		Other Industries	139.22
		Total	575.68

TABLE 25.7

**Arrangement of Industries according to all  
workers and employees**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>%</i>	<b>KOZHIKODE</b>	
				<i>All workers</i>	<i>All employees</i>
1.	320	Manufacture of structural clay products	1.40	2919	3183
2.	271	Saw Mills	0.80	1676	1986
3.	235	Spinning and Weaving of Cotton— Handlooms	0.51	1058	1222
4.	270	Manufacture of plywood and Veneers	0.29	601	714
5.	212	Tea Processing	0.27	557	611
6.	268	Manufacture of Coir and Coir Products	0.25	513	601
7.	973	Repair of motor vehicles	0.22	470	542
8.	284	Printing and Publishing of News papers	0.21	435	755
9.	213	Coffee curing and Roasting	0.16	331	406
10.	330	Manufacture of Iron and Steel Industries	0.11	238	334

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>%</i>	<i>All workers No.</i>	<i>All employees</i>
11.	314	Manufacture of perfumes and lotions	0.11	237	302
12.	289	Printing of picture and post card	0.09	198	230
13.	302	Manufacture of Rubber and Rubber products	0.09	182	206
14.	323	" Chinaware and porcelainware	0.08	158	196
15.	345	" Metal utensils and cutlery	0.06	124	134
16.	265	" Rain Coats and Hats	0.05	111	174
17.	203	Canning of fish and Similar foods	0.04	89	138
18.	260	Knitting Mills	0.04	85	115
19.	310	Manufacture of Basic Industrial Chemicals	0.03	58	82
20.	285	Printing of Books and Journals	0.03	54	70
21.	313	Manufacture of Drugs and Medicines	3.03	47	74
22.		Other Industries	2.20	4603	5405
		Total	7.07	14744	17480

TABLE 25.8

Arrangement of Industries according to wages to workers and emoluments

KOZHIKODE

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>%</i>	<i>Wages to workers</i>	<i>Total emoluments Rs. in lakhs</i>
1.	320	Manufacture of structural clay Products	1.40	67.38	76.77
2.	271	Saw Mills	0.61	28.98	34.32
3.	284	Printing and Publishing of News papers	0.46	22.24	43.36
4.	235	Spinning and Weaving of Cotton--Handlooms	0.42	19.90	27.41
5.	973	Repair of motor vehicles	0.36	16.80	20.10
6.	314	Manufacture of Perfumes and Lotions	0.21	10.25	18.23

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>%</i>	<i>Wages to Workers</i>	<i>Total emoluments Rs. in lakhs</i>
7.	270	Manufactures of Plywood and Veneers	0.19	9.49	13.51
8.	330	Iron and Steel Industries	0.19	9.17	15.90
9.	212	Tea Processing	0.19	9.04	14.69
10.	268	Manufacture of Coir and coir products	0.15	6.75	10.30
11.	289	Printing of picture and post card	0.14	5.14	6.81
12.	323	Manufacture of Chinaware and porcelainware	0.06	3.34	4.56
13.	302	Rubber Products	0.06	3.05	6.25
14.	265	Rain Coats and Hats	0.04	2.32	4.39
15.	345	metal utensils and cutlery	0.04	2.27	2.54
16.	213	Coffee Curing and Roasting	0.04	2.11	3.83
17.	203	Canning of fish and Similar foods	0.03	1.64	3.97
18.	260	Knitting Mills	0.02	1.31	2.16
19.	310	Manufacture of Basic Industrial chemicals	0.02	1.13	2.46
20.	285	Printing of Books and Journals	0.02	1.06	1.46
21.	313	Manufacture of Drugs and Medicines	0.01	0.91	1.89
22.		Other Industries	4.33	194.61	306.13
		Total	8.96	418.89	621.04

TABLE 25.9

## Arrangement of Industries according to total input

## KOZHIKODE

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Total Input Rs. in lakhs</i>
1.	212	Tea processing	244.63
2.	330	Manufacture of Iron and Steel Industries	223.38
3.	314	Manufacture of perfumes and Lotions	170.30
4.	284	Printing and publishing of News papers	111.90
5.	235	Spinning and Weaving of Cotton—Handlooms	67.33
6.	320	Manufacture of Structural clay products	64.43

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Total input Rs. in lakhs</i>
7.	268	Manufacture of Coir and Coir products	60.46
8.	270	Manufacture of plywood and veneers	58.40
9.	271	Saw mills	42.55
10.	973	Repair of motor vehicles	42.45
11.	265	Manufacture of Rain Coats and Hats	37.79
12.	345	Manufacture of metal utensils and cutlery	30.99
13.	302	Manufacture of Rubber and Rubber products	30.87
14.	203	Canning of fish and similar foods	16.86
15.	310	Manufacture of basic industrial chemicals	16.86
16.	289	Printing of picture and post card	11.16
17.	313	Manufacture of Drugs and Medicines	10.79
18.	260	Knitting mills	10.56
19.	323	Manufacture of Chinaware and procelainware	4.02
20.	213	Coffee curing and roasting	3.66
21.	285	Printing of books and journals	1.35
22.		Other Industries	1514.42
Total			2775.16

TABLE 25.10

**Arrangement of Industries according to total output****KOZHIKODE**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Total output Rs. in lakhs</i>
1.	212	Tea processing	318.35
2.	330	Manufacture of Iron and Steel Industries	256.12
3.	314	Manufacture of perfumes and Lotions	206.81
4.	284	Printing and publishing of news papers	184.93
5.	320	Manufacture of Structural Clay products	170.17
6.	235	Spinning and weaving of cotton—Handlooms	102.61
7.	271	Saw mills	88.11
8.	270	Manufacture of Plywood and Veneers	80.16
9.	302	Manufacture of Rubber and Rubber products	75.70
10.	268	Manufacture of Coir and Coir products	70.73
11.	973	Repair of motor vehicles	66.94
12.	265	Manufacture of rain coats and hats	50.15
13.	345	Manufacture of metal utensils and cutlery	48.13
14.	310	Manufacture of Basic Industrial Chemicals	21.26



<i>Sl. No</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Total output Rs. in lakhs</i>
15.	289	Printing of picture and post card	18.38
16.	203	Canning of fish and similar foods	16.47
17.	313	Manufacture of Drugs and Medicines	14.53
18.	260	Knitting mills	13.38
19.	323	Manufacture of Chinaware and porcelainware	10.72
20.	213	Coffee curing and roasting	7.57
21.	285	Printing of books and journals	3.12
22.		Other Industries	2086.25
Total			3910.59

TABLE 25 11

**Arrangement of Industries according to net output  
(Value added by manufacture)**

**KOZHIKODE**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Net output Rs. in lakhs</i>
1.	320	Manufacture of structural Clay Products	105.74
2.	212	Tea processing	73.72
3.	284	Printing and publishing of news papers	73.03
4.	271	Saw mills	45.56
5.	302	Manufacture of Rubber and Rubber products	44.83
6.	314	Manufacture of Perfumes and Lotions	36.51
7.	235	Spinning and Weaving Cotton—Handlooms	35.28
8.	330	Manufacture of Iron and Steel Industries	32.74
9.	973	Repair of motor vehicles	24.49
10.	270	Manufacture of Plywood and Veneers	21.76
11.	345	Manufacture of metal utensils and cutlery	17.14
12.	265	Manufacture of rain coats and hats	12.36
13.	268	Manufacture of Coir and Coir products	10.27
14.	289	Printing of picture and postcard	7.22
15.	323	Manufacture of Chinaware and porcelain ware	6.70
16.	310	Manufacture of basic Industrial Chemicals	4.40
17.	213	Coffee curing and Roasting	3.91
18.	313	Manufacture of Drugs and Medicines	3.74
19.	260	Knitting mills	2.82
20.	285	Printing of books and journals	1.77
21.	203	Canning of fish and similar foods	0.39
22.		Other Industries	571.83
Total			1135.43

TABLE 26

## Summary of the important Characteristics of the District

CANNANORE

Sl. No.	Item	Unit	State total		District total		Percentage of district total to state total		Percentage of district census total to state census total		
			Census	Non Census	Total	Total	Census	Non Census	Census total	non census total	
1	No. of factories reported	Nos.	899	1474	2373	61	196	257	10.83	6.76	13.30
2	Fixed capital	Rs. in Lakhs	30757.53	1614.66	40372.19	352.07	94.53	446.59	1.11	0.91	5.85
3	Working capital	"	11252.85	1103.16	12356.01	408.43	116.85	525.28	4.25	3.62	10.60
4	Productive capital	"	50010.38	2717.82	52728.20	760.50	211.38	971.87	1.83	1.52	7.73
5	Invested capital	"	52105.25	2819.89	54925.14	681.73	198.69	880.42	1.61	1.31	7.05
6	Loans outstanding	"	39691.80	1314.69	41006.49	295.61	81.16	376.77	0.92	0.75	6.17
7	No. of workers	Nos.	176688	32088	208776	8478	4604	13082	6.27	4.79	14.34
8	Total No. of employees	"	201543	37754	239297	9450	5364	14814	6.10	4.68	14.21
9	Wages to Workers	Rs. in Lakhs	4110.21	569.35	4679.56	232.98	103.45	336.43	7.19	5.66	18.16
10	Wages & other benefits to employees	"	6457.88	770.02	7227.90	298.84	125.05	423.89	5.87	4.62	16.23
11	Material input	"	30212.13	6818.05	37030.18	1259.81	1088.34	2348.15	6.35	4.16	15.96
12	Total input	"	31875.75	6972.67	38848.42	1305.93	1096.29	2402.22	6.18	4.10	18.09
13	Total output	"	43599.56	8615.01	52214.57	1924.85	1522.29	3447.14	5.61	4.42	17.69
14	Net output	"	11723.81	1642.34	13366.15	618.92	426.00	1044.92	7.82	5.27	25.93

TABLE 26.1.  
Arrangement of Industries according to No. of Units  
CANNANORE

Sl. No.	Code	Name of Industry	No. of Units No.
1.	235	Weaving & finishing Handlooms	85
2.	271	Saw mills	63
3.	236	Weaving & finishing-Powerlooms	15
4.	973	Repair of motor vehicles	13
5.	320	Structural clay products	9
6.	270	Manufacture of plywood & veneers	8
7.	212	Tea processing	7
8.	214	Cashewnut processing	4
9.	231	Cotton spinning & weaving in mills	4
10.	285	Printing of books & journals	4
11.	353	Industrial machinery for food & textiles	4
12.	203	Canning of fish & similar foods	3
13.	232	Dyeing & bleaching of cotton	3
14.		Other industries	35
Total			257

TABLE 26.2.  
Arrangement of Industries according to Fixed Capital  
CANNANORE

Sl. No.	Code	Name of Industry	Working capital Rs. in lakhs
1.	231	Cotton spinning & weaving-Mills	132.56
2.	270	Manufacture of plywood & veneers	119.44
3.	235	Weaving & finishing-Handlooms	107.73
4.	271	Saw mills	32.16
5.	214	Cashewnut processing	23.78
6.	203	Canning of fish & Similar foods	18.63
7.	320	Structural clay products	10.44
8.	236	Weaving & finishing-Powerlooms	7.35
9.	212	Tea processing	3.77
10.	232	Dyeing & bleaching of cotton	3.60
11.	285	Printing of books & journals	2.22
12.	353	Industrial machinery for food & textiles	1.13
13.	973	Repair of motor vehicles	0.69
14.		Other industries	61.78
Total			525.28

TABLE 26.3

## Arrangement of Industries according to Working Capital

CANNANORE

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Fixed capital Rs. in lakhs</i>
1.	231	Spinning & weaving cotton-Mills	150.14
2.	270	Manufacture of plywood & Veneers	71.83
3.	235	Weaving & finishing-Handlooms	40.66
4.	271	Saw mills	33.60
5.	203	Canning of fish & similar foods	30.39
6.	236	Weaving & finishing-Powerlooms	16.02
7.	320	Structural clay products	13.73
8.	212	Tea processing	7.54
9.	214	Cashewnut processing	5.32
10.	353	Industrial machinery for food & textiles	2.21
11.	973	Repair of motor vehicles	2.08
12.	285	Printing of books & journals	1.22
13.	232	Dyeing & bleaching of cotton	0.47
14.		Other industries	71.39
Total			446.60

TABLE 26.4.

## Arrangement of Industries according to Productive Capital

CANNANORE

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Productive capital Rs. in lakhs</i>
1.	231	Cotton spinning & weaving-Mills	282.70
2.	270	Manufacture of plywood & veneers	191.27
3.	235	Weaving & spinning cotton-Handlooms	148.39
4.	271	Saw mills	65.76
5.	203	Canning of fish & similar foods	49.02
6.	214	Cashewnut processing	29.10
7.	320	Manufacture of Structural clay products	24.17
8.	236	Weaving & finishing of cotton-Powerlooms	23.37
9.	212	Tea Processing	11.31
10.	232	Dyeing & bleaching-Cotton	4.07
11.	285	Printing of books & journals	3.44
12.	353	Machinery for food & Textiles	3.34
13.	973	Repair of motor vehicles	2.77
14.		Other industries	133.17
Total			971.88

TABLE 26.5.

**Arrangement of Industries according to Invested Capital  
CANNANORE**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Invested capital Rs. in lakhs</i>
1.	231	Cotton spinning and weaving—Mills	260.34
2.	270	Manufacture of plywood and veneers	176.81
3.	235	Weaving and finishing—Handlooms	115.98
4.	271	Saw mills	50.14
5.	214	Cashewnut processing	47.27
6.	203	Canning of fish and similar foods	43.27
7.	236	Weaving and finishing—Powerlooms	21.66
8.	320	Structural clay products	20.61
9.	212	Tea processing	11.54
10.	232	Dyeing and bleaching of cotton	2.87
11.	353	Industrial machinery for food and textiles	2.48
12.	973	Repair of motor vehicles	2.12
13.	285	Printing of books and journals	1.71
14.		Other industries	123.62
<b>Total</b>			<b>880.42</b>

TABLE 26.6.

**Arrangement of Industries According to Loans Outstanding  
CANNANORE**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>Loans outstanding Rs. in lakhs</i>
1.	231	Cotton Spinning and weaving—Mills	102.31
2.	270	Manufacture of plywood and veneers	67.68
3.	235	Weaving and finishing—Handlooms	57.80
4.	203	Canning of fish and similar foods	22.58
5.	214	Cashewnut processing	19.35
6.	271	Saw mills	16.14
7.	236	Weaving and finishing—powerlooms	8.81
8.	320	Structural clay products	4.77
9.	353	Industrial machinery for food and textiles	4.26
10.	232	Dyeing and bleaching of cotton	1.79
11.	285	Printing of books and journals	0.31
12.	973	Repair of motor vehicles	0.20
13.		Other industries	70.77
<b>Total</b>			<b>376.77</b>

TABLE 26.7.

**Arrangement of Industries according to Workers and Employees**  
**CANNANORE**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>All workers %</i>	<i>All Employees No.</i>	<i>Employees No.</i>
1.	235	Weaving and finishing-Handlooms	1.73	3613	4075
2.	231	Cotton spinning and weaving-Mills	1.22	2553	2775
3.	214	Cashewnut processing	0.80	1663	1718
4.	271	Saw mills	0.54	1136	1374
5.	270	Manufacture of plywood and veneers	0.50	1043	1179
6.	320	Structural clay products	0.33	688	766
7.	236	Weaving and finishing-Powerlooms	0.16	333	420
8.	212	Tea processing	0.08	163	198
9.	203	Canning of fish and similar foods	0.07	155	175
10.	973	Repair of motor vehicles	0.06	135	167
11.	232	Dyeing and bleaching of cotton	0.03	68	92
12.	285	Printing of books and journals	0.03	54	64
13.	353	Industrial machinery for food and textiles	0.02	40	48
14.		Other industries	0.70	1438	1763
Total			6.27	13082	14814

TABLE 26.8.

**Arrangement of Industries according to wages to workers & total emoluments**  
**CANNANORE**

<i>Sl. No.</i>	<i>Code</i>	<i>Name of Industry</i>	<i>%</i>	<i>Wages to workers</i>	<i>Total emoluments Rs. in lakhs</i>
1.	231	Cotton spinning & weaving mills	2.12	101.30	119.15
2.	235	Weaving & finishing-Handlooms	1.99	95.16	109.57
3.	270	Manufacture of plywood & veneers	0.69	32.89	49.18
4.	214	Cashewnut processing	0.40	18.77	21.72
5.	271	Saw mills	0.38	17.77	23.46
6.	320	Structural clay products	0.27	12.61	14.78
7.	236	Weaving & finishing-Powerlooms	0.13	5.86	8.06
8.	203	Canning of fish & similar foods	0.08	3.54	5.28
9.	212	Tea processing	0.06	3.01	4.64
10.	973	Repair of motor vehicles	0.04	2.30	2.80
11.	232	Dyeing & bleaching of cotton	0.04	2.13	2.62
12.	285	Printing of books & journals	0.02	1.41	1.70
13.	353	Industrial machinery for food & textiles	0.02	1.24	1.45
14.		Other industries	0.95	38.44	59.48
Total			7.19	336.43	423.89

TABLE 26.9.  
Arrangement of Industries according to total Input

			CANNANORE
Sl. No.	Code	Name of Industry	Total input Rs. in lakhs
1.	235	Weaving & finishing-Handlooms	552.37
2.	231	Cotton spinning & weaving-Mills	401.75
3.	270	Manufacture of plywood & veneers	266.66
4.	214	Cashewnut processing	96.44
5.	271	Saw mills	78.84
6.	203	Canning of fish & similar foods	73.76
7.	212	Tea processing	66.15
8.	232	Dyeing & bleaching of cotton	57.71
9.	236	Weaving & finishing-powerlooms	28.86
10.	320	Structural clay products	16.78
11.	973	Repair of motor vehicles	3.49
12.	353	Industrial machinery for food & textiles	2.92
13.	285	Printing of books & journals	2.39
14.		Other industries	744.63
Total			2402.22

TABLE 26.10.  
Arrangement of Industries according to total Output

			CANNANORE
Sl. No.	Code	Name of Industry	Total output Rs. in lakhs
1.	235	Weaving & finishing-Handlooms	754.18
2.	231	Cotton spinning & weaving-Mills	665.39
3.	270	Manufacture of plywood & veneers	398.13
4.	214	Cashewnut processing	192.22
5.	271	Saw mills	116.90
6.	212	Tea processing	86.35
7.	203	Canning of fish & similar foods	82.86
8.	232	Dyeing & bleaching of cotton	62.82
9.	236	Weaving & finishing-Powerlooms	40.18
10.	320	Structural clay products	38.40
11.	973	Repair of motor vehicles	7.49
12.	353	Industrial machinery for food & textiles	5.45
13.	285	Printing of books & journals	4.57
14.		Other industries	987.20
Total			3447.14

TABLE 26.11.

**Arrangement of Industries according to Net Output**  
(Value added by manufacture)

CANNANORE

<i>Sl. Code No.</i>	<i>Name of Industry</i>	<i>Net output Rs. in lakhs</i>
1. 231	Cotton spinning & weaving-Mills	263.64
2. 235	Weaving & finishing-Handlooms	201.81
3. 270	Manufacture of plywood & veneers	131.47
4. 214	Cashewnut processing	95.78
5. 271	Saw mills	38.06
6. 320	Structural clay products	21.62
7. 212	Tea processing	20.20
8. 236	Weaving & finishing-Powerlooms	11.32
9. 203	Canning of fish & similar foods	9.10
10. 232	Dyeing & bleaching of cotton	5.11
11. 973	Repair of motor vehicles	4.00
12. 353	Industrial machinery for food & textiles	2.53
13. 285	Printing of books & journals	2.18
14.	Other industries	238.10
	Total	1044.92



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