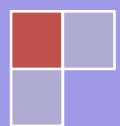




Government of Kerala

**Annual Survey of Industries
2016-17**

**Department of Economics and Statistics
Kerala**





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2016-17

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PREFACE

Industrial development is one of the major concerns that influence the economic status of the state. A significant contribution is made by manufacturing sector to the state Gross Domestic Product (GDP). Surveys are imperative in providing information to the planners and policy makers to devise new strategies and tools which is conducive for the progress of industrial sector. The Annual Survey of Industries (ASI) is one of the major surveys being conducted in Kerala on the organized manufacturing sector by Department of Economics and Statistics in collaboration with the Central Statistics Office (IS Wing), Kolkata under the provisions of Collection of Statistics Act 2008.

The report on Annual survey of Industries 2016-17 highlights the salient features of the organized manufacturing sector based on the annual returns of the financial year 2016-17 viz., fixed capital, working capital, invested capital, employment details, Gross Value Added, Input, Output, Profit, Income etc. and emphasize the need for further reforms.

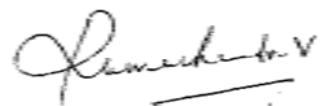
The Deputy Directors of the district offices are designated as Statistics officers for conducting the survey in the respective jurisdiction. District office of the department carries out the field work for collection of data. The data collected from the selected industrial units is organized and scrutinized using MS-Access based e-schedule package. Further, processing and tabulation of data is done as per the guidelines of Central Statistics Office (IS Wing), Kolkata. The present report is prepared by combining 944 state sample units (surveyed by DES), 944 Central Sample units and 1231 Census sector units (attended by NSSO, FOD).

The report is an enduring and diligent effort of ASI Division of Department of Economics and Statistics under the guidance of Smt. Sheela P Sankar, Additional Director (State Income).

I extend my heartfelt gratitude to Smt. Sunitha Bhaskar, Deputy Director General, NSSO, Kerala, Shri. Rajiv Kumar, SSO (FOD), Kollam and Shri. N Uthaman, SSO (FOD), Kollam, for the valuable guidance throughout the survey. I also appreciate District level officers, field staffs and officers of the Directorate for their tireless work which made this survey a great success. The co-operation extended by the selected Industrial units of the survey, technical assistance provided by Central Statistics Office (IS Wing), Kolkata and NSSO(FOD), Thiruvananthapuram are highly commendable.

I hope this publication will serve as a reference book and research material in Industrial Statistics.

Suggestions for the improvement in scope and content of this report are always welcome.



V RAMACHANDRAN
DIRECTOR

Thiruvananthapuram
Date: 29.02.2020

Directorate level Supervision & Report Editing

Smt. Sheela .P. Sankar, Additional Director (State Income)

Data Analysis & Report Writing

Smt. Sheena P, Assistant Director (ASI Division)

District level supervisors & scrutiny officers

Deputy Directors

Research Officers

Data Collection & data entry

Statistical Investigators

Technical Support

Sri. Abhilash K V, Research Assistant (Computer Division)

Directorate level Validation

Sri.. Sujakumar.K.G, Research Assistant

Smt.Bindu M, Research Assistant

Kum. Baby Sindhu, Statistical Assistant Gr II

CONTENTS

Preface.....	i
Technical Guidance and Survey Process	1
Highlights.....	3
<u>Chapter 1</u>	
• Introduction.....	7
<u>Chapter 2</u>	
Industrial Statistics-Facts and Figures	
• Organised Manufacturing sector –State view.....	17
• District wise picture of Industrial Statistics.....	25
• Broad view of factory sector by 2-digit NIC 2008.....	36
• Organised Manufacturing sector –Annual Trends.....	51
<u>Chapter 3</u>	
• Detailed Tables.....	57
<u>Annexure</u>	
Annexure 1: Collection of Statistics Act and Rules.....	300
Annexure 2: Pooling of ASI data and Estimation Procedure.....	308
Annexure 3: ASI schedule of Enquiry.....	317
Annexure 4: Concepts, Definitions and Procedures.....	325
Annexure 5: List of NIC-2008 4-digit codes covered under ASI	331
Annexure 6: Factories Act 1948.....	336



TECHNICAL GUIDANCE AND SURVEY PROCESS

Technical guidance and support

Central Statistics Office
Industrial Statistics Wing
Kolkata

ASI Survey Notification

Survey is notified in Kerala Government Gazette.

Training and guidelines

Training programmes are conducted to improve knowledge and skills of officials engaged in the survey so as to enhance the reliability of the survey.

Field work, data entry and scrutiny

Collection of data and data entry works are done in each district by statistical investigators and scrutinized by Research Officer under the supervision of Deputy Director designated as Statistics Officer.

Analysis & report generation

Data analysis and report generation are done at the Directorate. The report may be accessed by the public through department website.

Highlights

The Annual Survey of Industries is one of the major sources of Industrial Statistics of registered/organized manufacturing sector of the State. The reference period for ASI 2016-17 is the accounting year of the factory, ending on any day during the financial year 2016-17. Sample size for the survey is 3119 units (944 central sample, 944 state sample and 1231 Census scheme units). The survey highlights are presented as below:

	The survey estimated 7982 factories in the organized manufacturing sector of Kerala.
	Across the state the factories provide employment to an estimate of 3,26,644 people. Out of which 79.3 % are workers, 19.9% employees other than workers and 0.75% unpaid family members.
	Out of 2, 21,358 directly employed workers 1, 15,322 are men and 1, 06,035 are women which accounts to about 52.1% and 47.9% respectively.
	The estimated invested capital of the factories is ₹65, 47,340 lakhs. Out of the total invested capital, Fixed capital and Physical working capital accounts to about 73% and 27% respectively.
Output/Input	The estimated output and input from the factories' production is ₹ 1,39,42,718 lakhs and ₹1,16,43,987 lakhs.
Gross Value Added (GVA)	The Gross Value Added of production of the factories is ₹ 22,98,731 lakhs which is 19.7% of input.
	The estimated net income of the factories is ₹ 18, 63,677 lakhs.
	The estimated profit earned by the factories is ₹ 10,43,683 lakhs.

Top Industries

Rank	Characteristics				
	Total No .of Factories	Fixed Capital	Total Persons Engaged	Output	Gross Value Added (GVA)
1	Food Products (19.75%)	Coke & Refined Petroleum products (58.50%)	Food Products (29.26%)	Coke & Refined Petroleum products (30.33%)	Food Products (15.56%)
2	Other Non-metallic mineral products (13.16%)	Food Products (8.73%)	Rubber & plastic products (6.98%)	Food Products (21.82%)	Coke & Refined Petroleum products (14.58%)
3	Tobacco products (11.41%)	Rubber & plastic products (4.80%)	Textiles (6.78%)	Basic Metals (8.78%)	Chemicals & Chemical products (14.00%)
4	Wood & products of wood & cork, except furniture; manufacture of articles of straw & plating materials (10.81%)	Other Non-metallic mineral products (4.69%)	Other Non-metallic mineral products (6.22%)	Rubber & plastic products (7.24%)	Rubber & plastic products (10.32%)
5	Rubber & plastic products (7.99%)	Printing & reproduction of recorded media (2.56%)	Tobacco products (5.82%)	Chemicals & Chemical products (5.84%)	Other Non-metallic mineral products (8.11%)
Aggregate Total (All industries)*	7982	4784549	326644	13942718	2298731

*Estimates of Fixed Capital, Output and GVA are in ₹ lakhs

Top Districts

Rank	Characteristics				
	Total No .of Factories	Fixed Capital	Total Persons Engaged	Output	Gross Value Added (GVA)
1	Ernakulam (18.14%)	Ernakulam (73.74%)	Ernakulam (26.62%)	Ernakulam (59.50%)	Ernakulam (50.93%)
2	Kollam (14.04%)	Palakkad (3.82%)	Kollam (16.95%)	Palakkad (5.50%)	Kottayam (7.71%)
3	Kannur (13.75%)	Kottayam (3.48%)	Alappuzha (9.19%)	Alappuzha (5.47%)	Thrissur (6.97%)
4	Thrissur (10.90%)	Kollam (3.37%)	Thrissur (6.94%)	Kottayam (5.29%)	Kozhikode (5.54%)
5	Alappuzha (7.42%)	Thrissur (3.15%)	Thiruvananthapuram (6.20%)	Kollam (5.28%)	Palakkad (5.49%)
Aggregate Total (All industries)*	7982	4784549	326644	13942718	2298731

*Estimates of Fixed Capital, Output and GVA are in ₹ lakhs

Rates & Ratios

Estimates of some important rates and ratios as per ASI 2016-17 are given below:-

➤ Fixed capital per factory in operation	₹ 735 lakhs
➤ No. of persons engaged per factory in operation	50
➤ No. of workers per factory in operation	40
➤ Output per factory in operation	₹ 2143 lakhs
➤ Gross Value Added(GVA) per factory in operation	₹ 353 lakhs
➤ Net Value Added(NVA) per factory in operation	₹ 315 lakhs
➤ Output per person engaged	₹ 42,68,475
➤ Gross Value Added (GVA) per person engaged	₹ 7,03,742
➤ Net Value Added (NVA) per person engaged	₹ 6,26,971
➤ Wages per worker	₹1,54,589
➤ Fixed Capital to Net Value Added(NVA)	2.34
➤ Fixed Capital to Output	0.34
➤ Net Value Added(NVA) to Output	0.15
➤ Gross Value Added (GVA) to Fixed Capital	0.48
➤ Output to Input	1.20
➤ Profit to Output	0.07



CHAPTER 1 INTRODUCTION

Annual Survey of Industries (ASI) is conducted in Kerala in collaboration with Central Statistics Office, Industrial Statistics Wing, Kolkata.

1.1 Scope and Coverage

1.1.1 The Annual Survey of Industries is the main source of industrial statistics in Kerala. From ASI 2010-11 onwards, the survey is being conducted under the Collection of Statistics Act, 2008 and Rules framed there under in 2011. The Survey is designed to obtain comprehensive and detailed industrial data with the objective of estimating the contribution of registered manufacturing industries as a whole to the state income. It gives a broad view of the structure of the industry in economy, various factors influencing industries in the state etc. which form the bases for formulation of industrial policies.

1.1.2 Coverage of the Annual Survey of Industries extends to the entire Factory Sector comprising industrial units (called factories) registered under the Sections 2(m)(i) and 2(m)(ii) of the Factories Act, 1948, wherein a ‘Factory’, which is the primary statistical unit of enumeration for the ASI, is defined as:

‘Any premises’ including the precincts thereof: -

(i) Wherein ten or more workers are working or were working on any day of the preceding twelve months, and in any part of which a manufacturing process is being carried on with the aid of power or is ordinarily so carried on, or,

(ii) Wherein twenty or more workers are working or were working on any day of the preceding twelve months, and in any part of which a manufacturing process is being carried on without the aid of power or is ordinarily so carried on, but does not include a mine subject to the operation of the Mines Act, 1952, or a railway running shed.

The ‘manufacturing process’ referred to above has been defined [vide Section 2(k)] in the Factories Act, 1948 as:

‘Any process’ for:

(i) making, altering, ornamenting, finishing, packing, oiling, washing, cleaning, breaking up, demolishing or otherwise treating or adapting any article or substance with a view to its use, sale, transport, delivery or disposal; or,

(ii) pumping oil, water or sewage ; or,

- (iii) generating , transforming or transmitting power; or,
- (iv) composing types for printing by letter press, lithography, photogravure or other similar process or book binding; or,
- (v) constructing, reconstructing, repairing, refitting, finishing or breaking up ships or vessels; or,
- (vi)preserving or storing any article in cold storage.

1.1.3 In addition to Sections 2(m)(i) & 2(m)(ii) of the Factories Act, 1948, bidi& cigar units, employing 10 or more workers with the aid of power and 20 or more workers without the aid of power and registered under the Bidi& Cigar Workers (Conditions of Employment) Act, 1966 , all the electricity undertakings engaged in generation, transmission and distribution of electricity, not registered with the Central Electricity Authority(CEA),are also covered under ASI.

1.1.4 Starting from ASI 2014-15, the coverage of ASI has been extended beyond the Section 2m(i) and 2m(ii) of the Factories Act, 1948. To start with, the units with 100 or more employees, not registered under Section 2m(i) and 2m(ii) of the Factories Act, 1948 but registered under any of the seven Acts/Board/Authority viz., Companies Act 1956, Factories Act, 1948, Shops and Commercial Establishment Act, Societies Registration Act, Cooperative Societies Act, Khadi and Village Industries Board, Directorate of Industries (District Industries Centre) in the Business Register of Establishments (BRE) as prepared by the State Government and available with National Accounts Division, Central Statistics Office and verified by Field Operations Division (FOD), NSSO are also considered for selection.

1.1.5 Although the scope of the ASI was extended to all registered manufacturing establishments in the country, defence establishments, oil storage and distribution depots, restaurants, hotels, cafe and computer services, departmental units such as railway workshops, RTC workshops, Govt. Mints, sanitary, water supply, gas storage units etc. are excluded from the purview of the Survey.

1.2. Unit of Enumeration

1.2.1 The primary unit of enumeration in the survey is a factory in the case of manufacturing industries, a workshop in the case of repair services, an undertaking or a licensee in the case of electricity, gas and water supply undertakings and an establishment in the case of Bidi and Cigar industries. The owner of two or more establishments located in the same state and pertaining to the same industry group, is permitted to furnish a single consolidated return, termed as ‘Joint Return’. Such consolidated returns are a common feature in case of some of the factories in ASI.

1.3 ASI Frame

1.3.1 The ASI frame is based on the lists of registered factories / units maintained by the Chief Inspector of Factories (CIF) in the State and those maintained by registration authorities in respect of Bidi and Cigar establishments and electricity undertakings. The frame is being revised and updated periodically by the Regional Offices of the Field Operations Division (FOD) of NSSO in consultation with the Chief Inspector of Factories in each State. At the time of revision, the names of the de-registered factories are removed from the ASI frame and those of the newly registered factories are added. While updating the frame, only newly registered units are added to the existing frame. In spite of regular updating of the frame, quite a number of factories selected for the survey are getting deleted during the survey owing to various reasons like non-existence, de-registration, out of coverage etc.

1.3.2 It is to be noted that apart from the factories in operation, the ASI frame comprises factories which are categorised as ‘Existing with fixed assets and maintaining staff but not having production’ and ‘Existing with fixed assets but not maintaining staff and not having production’.

1.4. Reference Period

1.4.1 Reference period for ASI 2016-2017 was the accounting year of the factory, ending on any day during the financial year 2016-2017. Thus in ASI 2016-2017, data collected from establishments relate to their respective accounting years that ended on any

day between 1st April 2016 and 31st March 2017. Survey was conducted in the state in the time period 1st May 2018 to 30th November 2018.

1.5 Methodology of the survey

1.5.1 In the state the survey is conducted as per the guidelines of Industrial Statistics Wing (IS wing) of Central Statistics Office. The following methodology is adopted by the IS wing for the survey.

1.6 Sample Design and Sample Allocation

1.6.1 As per sampling design adopted in ASI 2016-17, ASI sample comprises two parts - Central Sample and State Sample. The Central Sample consists of two schemes: Census and Sample. Under Census scheme, all the units are surveyed.

1.6.2 Census scheme:

- a) All industrial units belonging to the seven less industrially developed states/ UT's viz. Arunachal Pradesh, Manipur, Meghalaya, Nagaland, Sikkim, Tripura and Andaman & Nicobar Islands.
- b) For the States/ UTs other than those mentioned in (a)
 - (i) Units having 75 or more employees from Kerala, and
 - (ii) All units covered under 'Joint Return' (JR), where JR is allowed when the two or more units located in the same State/UT belonging to the same industry (3-digit level of NIC) under the same management.
- c) After excluding the Census Sector units, as defined in paragraphs a) and b) above, the strata are formed at **State x District x Sector x 3digit NIC-2008 level**. Here, 'sector' is very broad economic activity group consisting of manufacturing, electricity generation activity and bidi producing activity. Thus, in short, sectors are (i) Bidi, (ii) Manufacturing and (iii) Electricity. All units belonging to the strata (i.e., formed on the basis of units in State by District by Sector by 3-digit of NIC-08) having less than or equal to 4 units are completely enumerated and are thus considered as 'census sector' units
- d) **Sample Scheme:**
All the remaining units in the frame are considered under **Sample Scheme**. For all the states, **strata are formed for each State x District x Sector x 3-**

digit NIC-2008 factories. The units in each stratum are arranged in descending order of their number of employees. Samples are drawn as per Circular Systematic Sampling technique. An even number of units with a minimum of 4 units are selected and distributed in four sub-samples. It may be noted that all the 4 sub-samples from a particular stratum may not have equal number of units.

- e) Out of these 4 sub-samples, two pre-assigned sub-samples are given to NSSO (FOD) and the other two sub samples are given to State/UT for data collection.
- f) The entire census units *plus* all the units belonging to the two sub-samples given to NSSO (FOD) are treated as the **Central Sample**.
- g) The units belonging to the two sub-samples allocated to State/UTs are to be canvassed by the respective States/UTs. Hence, State/UT has to use the data collected by NSSO (FOD) and processed by IS Wing, DPD, and NSSO along with the state sample data while deriving the district level estimates for their respective State/UT.
- h) The entire census scheme units plus all the units belonging to the two sub-samples given to NSSO (FOD) plus all the units belonging to the two sub-samples given to State / UT are required for pooling of Central and State Samples.

1.7. Estimation Procedure

1.7.1 The procedures for estimation of the characteristics are shown in Annexure-2.

1.7.2 The results presented in the publication are based on the unit level data of central and state samples. The estimated value figures given in this publication are reported in current prices. The value figures are generally rounded off to lakhs of rupees. All Kerala figures are rounded off separately and may not tally with the sum of district figures. Similarly, all-Industry figures may not tally with the sum of individual industry figures. Also the industry-wise totals at lower level may not tally with the next higher level due to merging of industries carried out at different levels.

1.8. Schedule of Enquiry

1.8.1 The schedule for ASI 2016-17 aims to collect data on assets and liabilities, employment and labour cost, receipts, expenses, input items - indigenous and imported, products and by-products, distributive expenses etc.

A copy of the ASI 2016-17 schedules is given as Annexure-3. The different concepts and definitions used in ASI survey are given in Annexure-4.

1.9. Classification of Industries

1.9.1 From ASI 2008-09, NIC- 2008 has been the base of industry classification. It classifies all the factories in the ASI frame in their appropriate industry groups on the basis of the principal product manufactured. This way a unit gets classified in one and only one industry group even though it might be manufacturing products belonging to different industries. The estimates for different aggregates presented in this report at two or three digit level of industry correspond to the NIC-2008 classification.

1.10. Publications and Limitations

1.10.1 The results of ASI 2016-17 are released at 2-digit/3-digit level of NIC-2008 for the State. The list of 2/3-digit level of NIC-2008 codes along with descriptions is given in Annexure 5. This report contains tables related to capitals and value added, employment and labour cost, fuels consumed etc.

1.10.2 The Collection of Statistics Act prohibits disclosure of data relating to individual factories. Therefore, if the number of factories under any industry (2-digit/3-digit level of NIC-2008) in the state is less than three, the data have been combined to a similar industry in order to conceal the identity of all such units belonging to the concerned stratum.

1.10.3 All the estimates, especially for quantity and value figures for any particular item consumed and produced, are subject to Statistical Error as these are estimated on the basis of a selected Sample. The consumptions and productions are not estimated separately for those items for which the number of observations is insufficient. They have been reported under 'others' as the estimates for those items may not be efficient..

1.10.4 As per tabulation policy it has been decided to report the detailed information corresponding to industry codes 10 to 33 and 58 following NIC-2008. For all other industry codes, the units have been clubbed and shown under a common industry '**Other**' in different tables.



CHAPTER 2

INDUSTRIAL STATISTICS

Facts and Figures

Annual Survey of Industries is one of the major surveys conducted in Kerala targeting the organised/registered manufacturing sector. Its contribution to the state GDP is significant and inevitable for the economic progress. Attempts have been made in this survey to bring out a broad view of the status of manufacturing industries and spotlight the areas that requires special attention. The principle characteristics of industrial sector for the financial year 2016-17 was estimated by combining Central sample and State sample.

1. Organised Manufacturing industries in Kerala

Registered industries involved in the production of goods define the organised manufacturing sector of the state. Annual survey of industries 2016-17 estimated 7982 factories operating in the manufacturing sector of Kerala, a slight increase from previous financial year figure of 7584.

As per the survey results the most industrialised (based on manufacturing sector) district in the state is Ernakulam with a highest estimate of 1448 factories which accounts to about 18.14% of the state value. The second highest is recorded by Kollam district with an estimate of 1121 factories. Ernakulam district continues to record highest percentage of factories over the period. Figures reveal Wyanad district as the least industrialised with an estimate of 63 factories which is approximately 1% of the state value.

It's noteworthy that estimated number of factories not in operation in the state has increased from 1213 in 2015-16 to 1475 in 2016-17. The district with highest number of factories not in operation is Kannur (478 out of 1098) which is approximately 32% of state value.

Table1:District wise distribution of Factories of Kerala, 2016-17

Districts	Number of factories	Percentage of factories
Kasaragod	378	5
Kannur	1098	14
Wayanad	63	1
Kozhikode	525	7
Malappuram	274	3
Palakkad	494	6
Thrissur	870	11
Ernakulam	1448	18
Idukki	154	2
Kottayam	433	5
Alappuzha	592	7
Pathanamthitta	211	3
Kollam	1121	14
Thiruvananthapuram	322	4
Total	7982	100

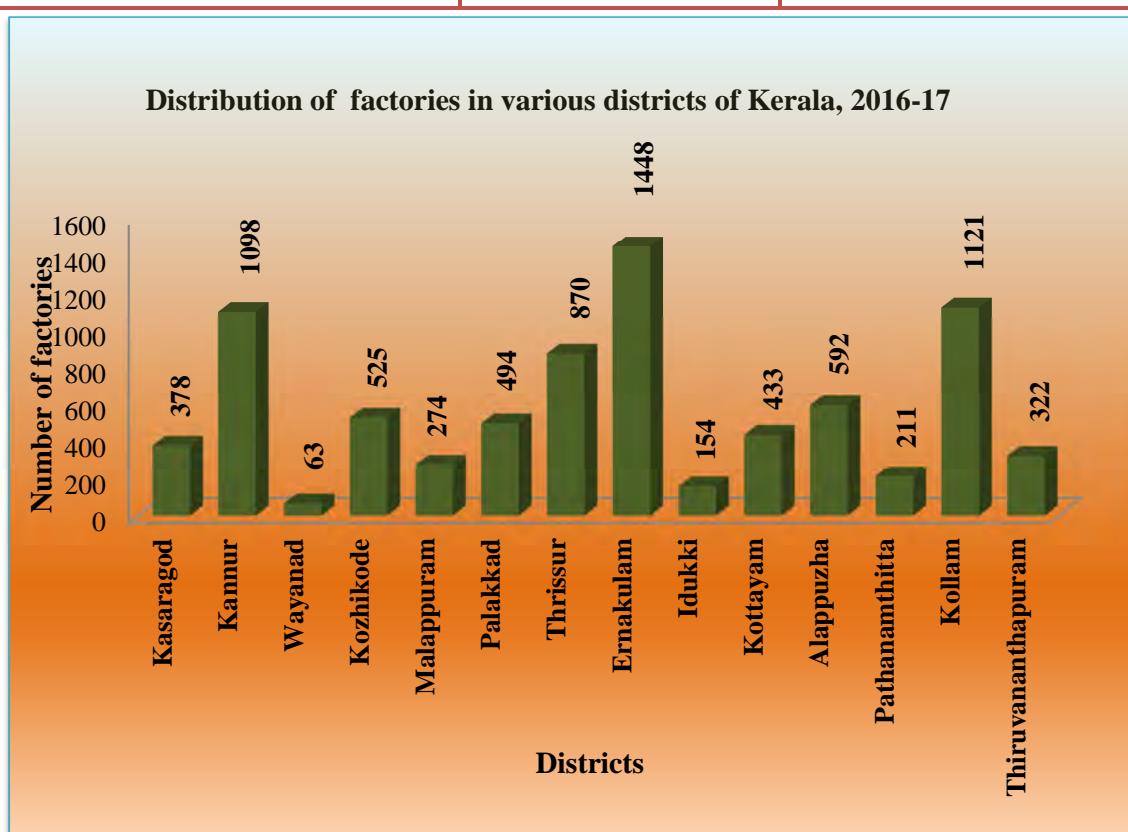


Figure 1

2. Major characteristics that reflect the status of manufacturing sector of Kerala

Manufacturing sector plays a significant role in accelerating the economic growth of the state. The survey deals with several significant characteristics of industries in Kerala. The financial statements of the factory viz., Profit and loss account, balance sheet and employment details gives a vivid picture of its economic status. It forms the core source of data of the survey. The 27 major characteristics estimated from the survey plays its own role in creating value addition in the products.

Table 2: Estimate of selected characteristics of factories of Kerala, 2016-17

Sl. No.	Characteristics(All Industries)	Values in ₹lakh unless otherwise mentioned
1	Number of factories	7982
2	Factories in operation	6507
3	Fixed Capital	4784549
4	Physical Working Capital	1762792
5	Working Capital	1282428
6	Invested Capital	6547340
7	Gross Value of Additions to Fixed Capital	1303159
8	Rent Paid	25225
9	Outstanding Loan	1660709
10	Interest paid	196509
11	Rent received	3418
12	Interest received	34028
13	Gross Value of P & M	2497417
14	Value of Products & By-products'	11712493
15	Total Output	13942718
16	Fuel Consumed	458725
17	Materials Consumed for Manufacturing	8899385
18	Total Input	11643987
19	Gross Value Added(GVA)	2298731
20	Depreciation	250766
21	Net Value Added(NVA)	2047964
22	Net Fixed Capital Formation(NFCF)	904184
23	Gross Fixed Capital Formation (GFCF)	1154951
24	Addition in stock of:	242626
	(a) Materials, Fuels etc.	86092
	(b) Semi-Finished Goods	25494
	(c) Finished Goods	131040
25	Gross Capital Formation	1397576
26	Net Income	1863677
27	Profit	1043683

3. Employment in manufacturing industries

The very crux of the manufacturing industries is the employees involved in the process of production. Labour, man-days worked, emoluments are the factors that contribute to the development of the industrial sector. As per the survey results 3,26,644 persons are engaged in the organised manufacturing sector. Out of these employees 79.3% are workers, 19.9% are employees other than workers and 0.75% unpaid family members/proprietor.

Tabel 3: Distribution of employment, man-days worked and emoluments paid to employees in the industries of Kerala

A. No. of Persons Engaged (no.)	326644
1. Workers	259160
1.1 Directly employed	221358
1.1.1 Men	115322
1.1.2 Women	106035
1.2 Employed Through Contractors	37803
2. Employees Other Than Workers	65021
2.1 Supervisory and Managerial Staff	29063
2.2 Other Employees	35957
3. Unpaid family members/proprietor etc.	2463
B. Total Man-days employed (in '000)	93473
C. Wages and Salaries Including Employer's Contribution (₹ lakhs)	819994
1 Wages and Salaries Including Bonus	698282
1.1 Wages and Salaries	661318
1.1.1 Workers	400633
1.1.2 Supervisory & Managerial Staff	168215
1.1.3 Other Employees	92470
1.2 Bonus to all Staff	36964
2.Employer's Contribution	121712

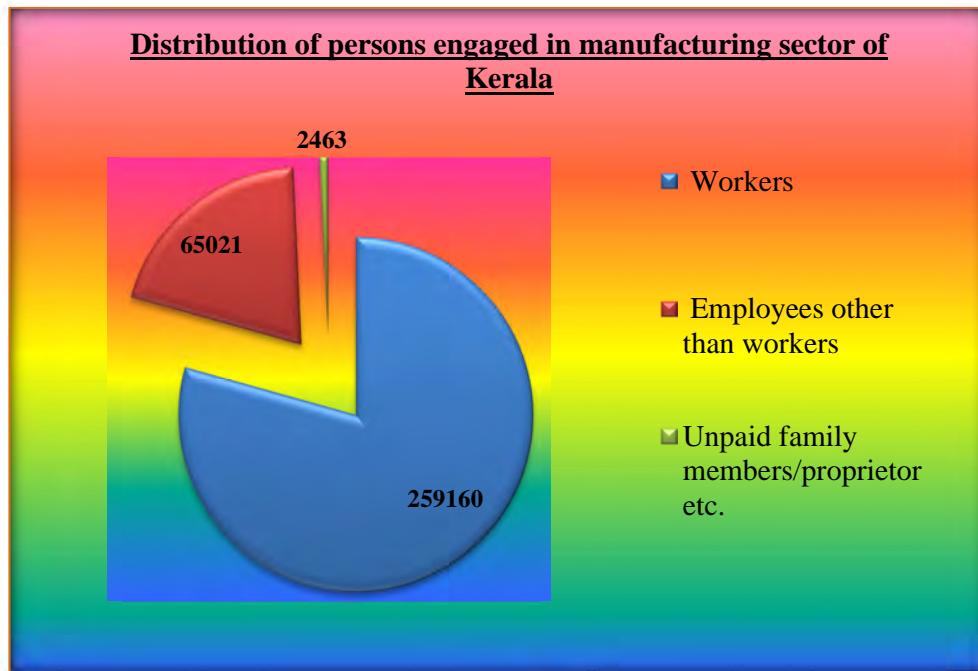


Figure 2

Apart from this, the survey reveals that among 2, 21,358 directly employed workers, 52% are male workers and 48 % are female workers. The estimated total man-days employed in the factories is 93,473 thousand.

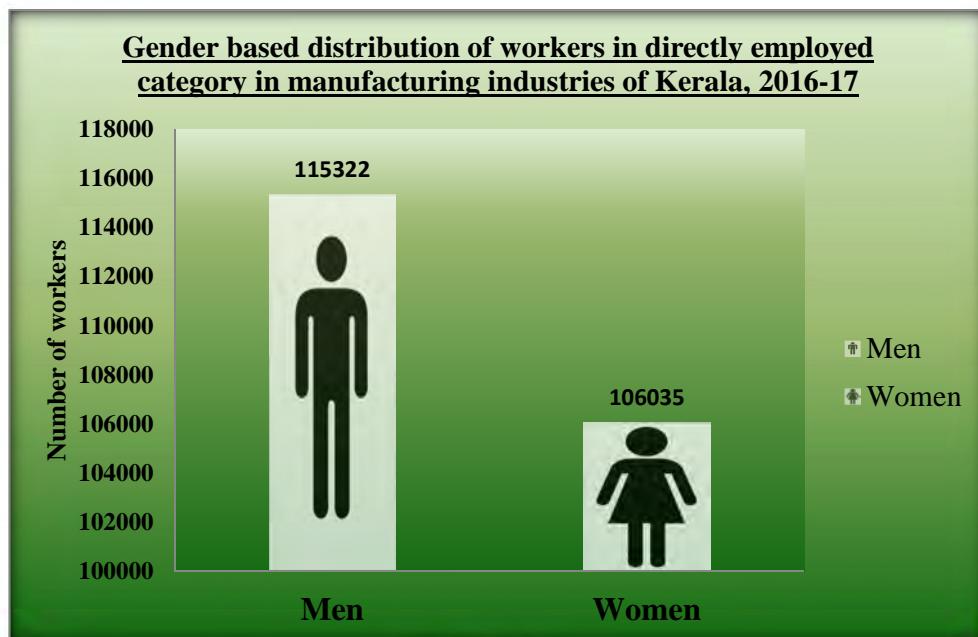


Figure 3

4. Emoluments paid to the employees

The estimated wages and salaries including bonus of the employees is ₹6, 98,282 lakhs whereas employer's contribution is ₹ 1, 21,172 lakhs.

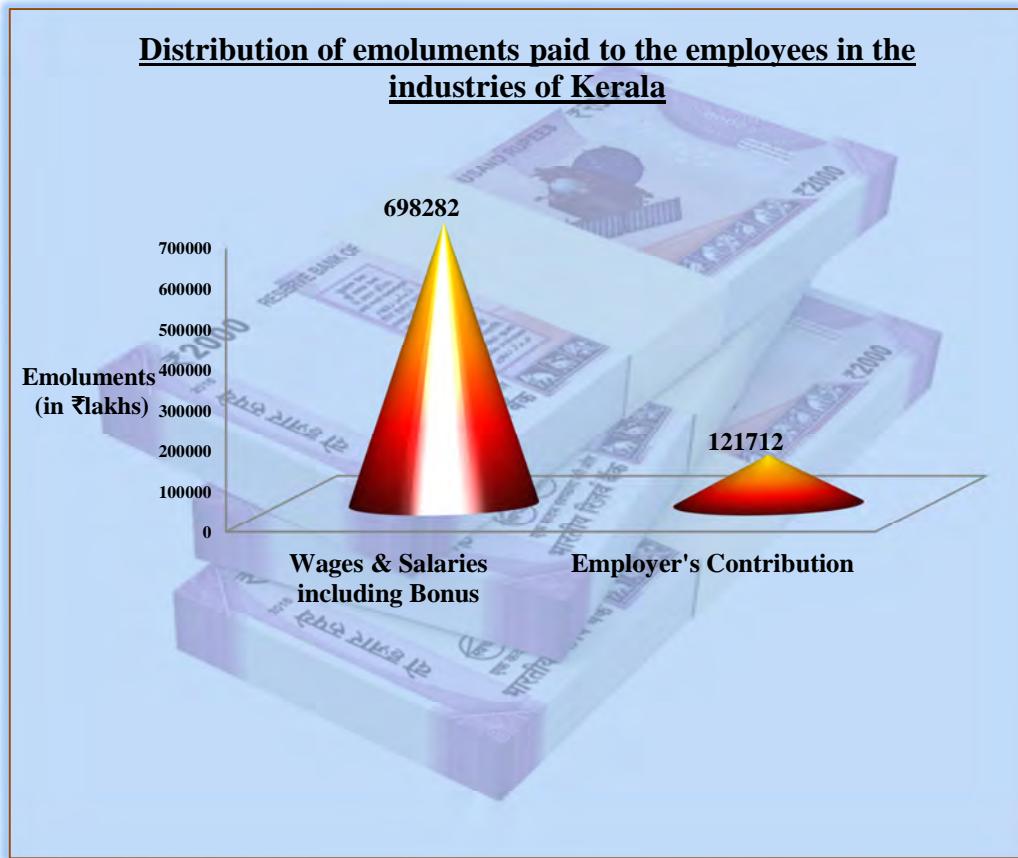


Figure 4

Sustainable development in the industrial sector demands a grass root level planning. District wise disparities in the manufacturing sector provide an insight to the need for a planned strategy for industrial development. An attempt has been made in this section to bring out the status of manufacturing sector in the 14 districts of Kerala. The findings of the survey play a significant role in identifying the areas that needs to be prioritized for better development.

Table 4: District wise distribution of manufacturing industries in Kerala

Districts	Number of factories	Percentage of factories
Kasaragod	378	5
Kannur	1098	14
Wayanad	63	1
Kozhikode	525	7
Malappuram	274	3
Palakkad	494	6
Thrissur	870	11
Ernakulam	1448	18
Idukki	154	2
Kottayam	433	5
Alappuzha	592	7
Pathanamthitta	211	3
Kollam	1121	14
Thiruvananthapuram	322	4
Total	7982	100

As per district wise estimates of number of factories in Kerala, the top five are Ernakulam , Kollam, Kannur, Thrissur and Alappuzha districts with an estimate of 1448, 1121, 1098, 870 and 592 factories respectively (*see Figure 5*).

KERALA -Distribution of Manufacturing industries

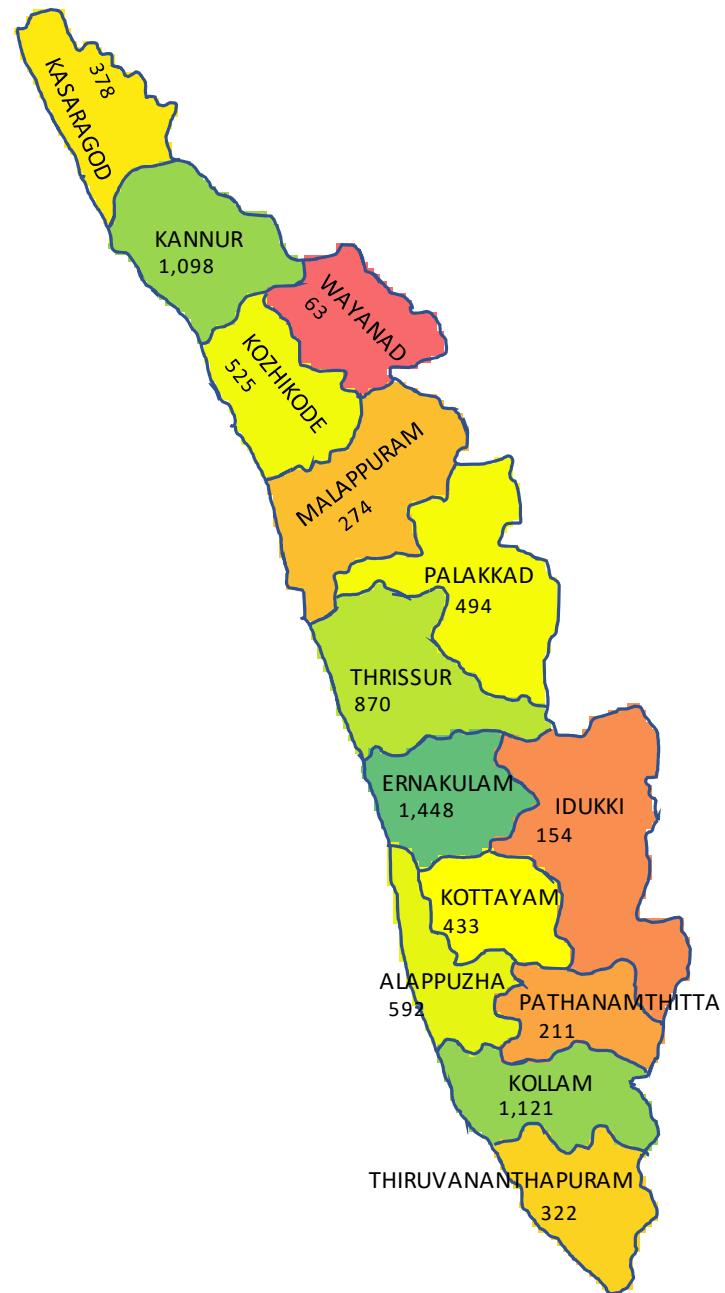


Figure 5

In the manufacturing sector, fixed assets, labour, capital etc. are the combining factors that form the basis of the production process. An attempt has been made in this survey to estimate these factors for analysing the status of the manufacturing industries of the state.

Capital

Capital is the amount invested in the business. Fixed capital represents the fixed assets owned by the factory such as Land, Building, Plant & Machinery, Transport equipment and other equipment whereas working capital is the capital which forms the part of the day- to-day activities of production. The fixed capital and physical working capital sum up to form the invested capital of the industry. As per the survey results, Ernakulam records the highest invested capital (₹44, 78,641 lakhs) whereas Wayanad the least (₹16,055 lakhs) contributing approximately 68% and 0.2% of state value respectively.

Table 5: Districtwise estimate of Fixed Capital, Physical working Capital and Invested Capital

Districts	Fixed Capital (Value in ₹ lakhs)	Physical Working Capital (Value in ₹ lakhs)	Invested Capital (Value in ₹ lakhs)
Kasaragod	18434	19388	37821
Kannur	58383	42761	101145
Wayanad	12560	3495	16055
Kozhikode	100018	56329	156347
Malappuram	43630	44656	88286
Palakkad	182899	124237	307136
Thrissur	150792	86647	237439
Ernakulam	3528155	950486	4478641
Idukki	69722	28772	98494
Kottayam	166612	59087	225699
Alappuzha	127508	113948	241455
Pathanamthitta	58295	33005	91300
Kollam	161457	141802	303259
Thiruvananthapuram	106085	58179	164264
Total	4784549	1762792	6547340

The fixed capital and physical working capital of Ernakulam district accounts to about 79% and 21% of invested capital respectively. Taking into account the whole manufacturing industries the share of the same is 73% and 27% respectively. The complete picture of percentage share of fixed and physical working capital of all districts is illustrated in *Figure 6*.

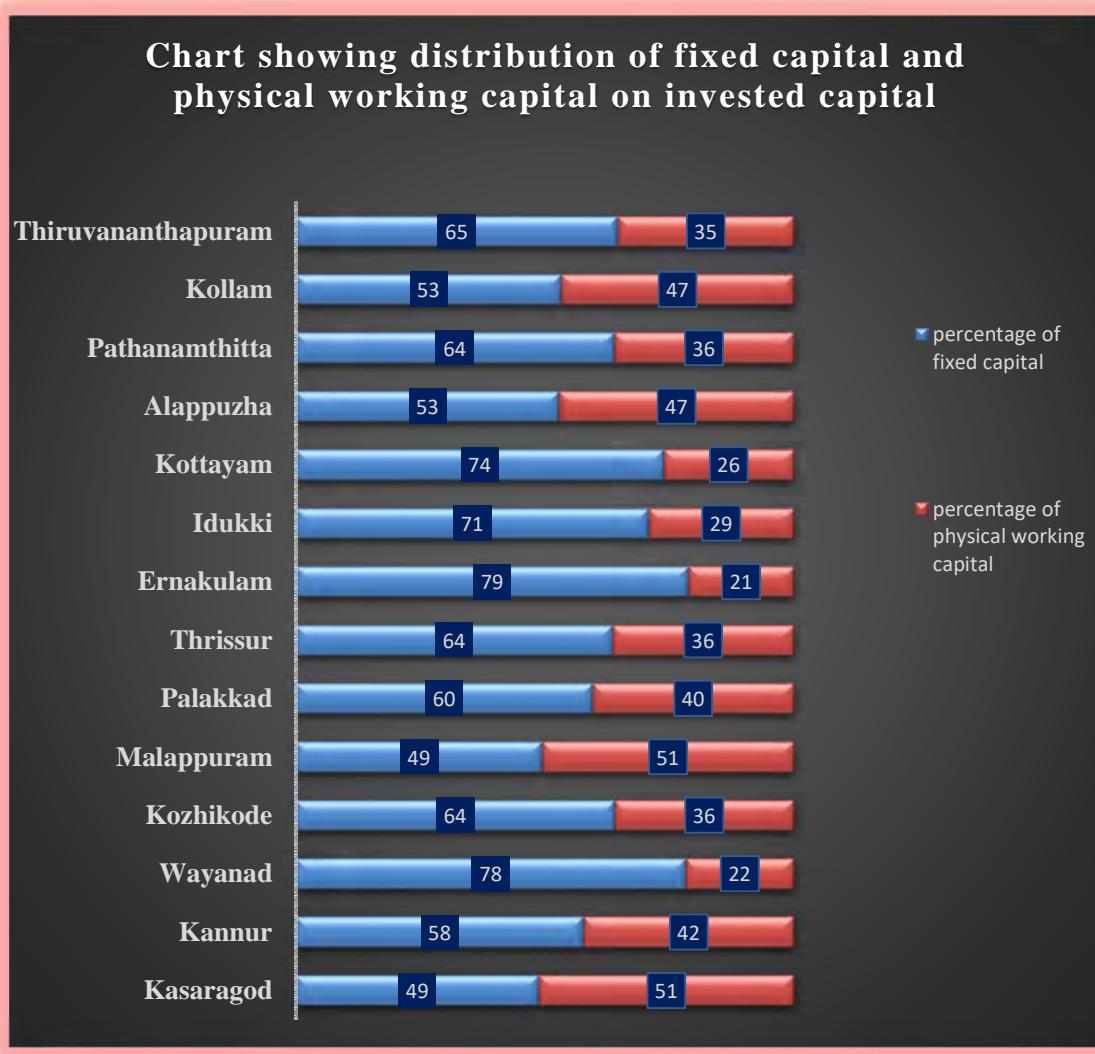


Figure 6

Input and Output

The input of the production process includes value of fuels consumed, materials consumed for manufacturing and other expenses. Gross output is defined to include the ex-factory value of products and by-products manufactured during the accounting year, and the net value of semi-finished goods or work-in-progress and also the receipts for industrial and non-industrial services rendered to others, value of semi-finished goods of previous year sold in the current year, sale value of goods sold in the same condition as purchased and value of electricity generated and sold.

The estimated value of input and output of factories of Ernakulam district turns out to be highest with an estimate of ₹ 71,24,523 and ₹ 82,95,362 contributing 61% and 60% of the state value respectively. District wise estimate of the same is presented in the *Table 6* and *Figure 7*.

Table 6: District wise estimate of Input and output of the factories of Kerala, 2016-17

Districts	Total Input (in ₹ lakhs)	Percentage of input	Total Output (in ₹ lakhs)	Percentage of output
Kasaragod	65894	0.6	85408	0.6
Kannur	178304	1.5	222939	1.6
Wayanad	57250	0.5	68575	0.5
Kozhikode	333620	2.9	461028	3.3
Malappuram	276492	2.4	318484	2.3
Palakkad	640698	5.5	766992	5.5
Thrissur	556730	4.8	716939	5.1
Ernakulam	7124523	61.2	8295362	59.5
Idukki	162675	1.4	235809	1.7
Kottayam	560216	4.8	737338	5.3
Alappuzha	666168	5.7	762215	5.5
Pathanamthitta	150547	1.3	190356	1.4
Kollam	621427	5.3	735538	5.3
Thiruvananthapuram	249444	2.1	345736	2.5
Total	11643987	100	13942718	100

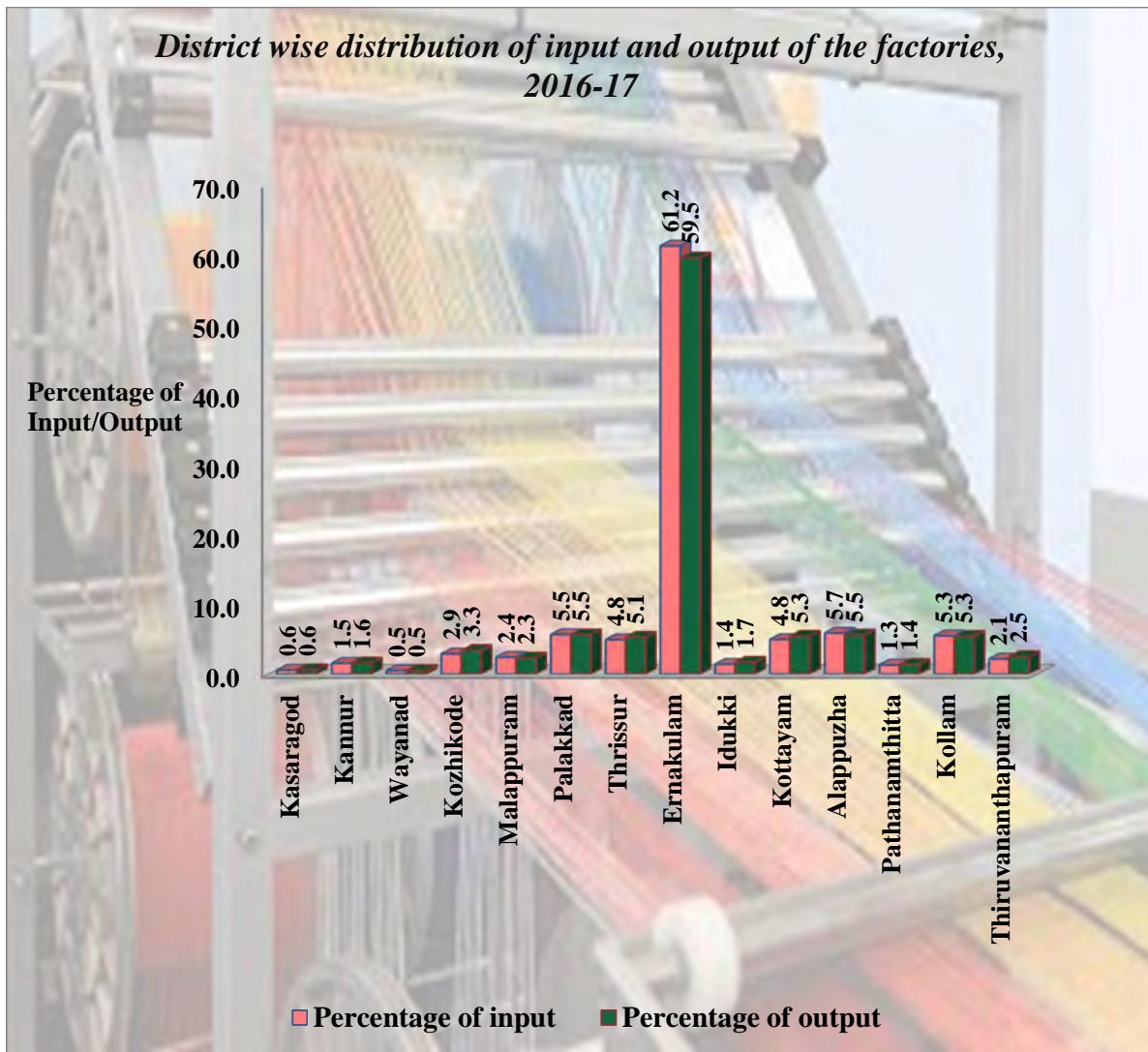


Figure 7

Profit

The analysis of the financial gain or profit of the industries is substantial in recognising the factors that hampers the growth of the manufacturing sector. As per survey estimates Ernakulam district has earned a profit of about ₹6, 58, 648 lakhs which accounts to about 63% of the state value. The least profit is recorded by Kannur district with an estimate of about ₹2968 lakhs which is 0.3% of state value. The profit earned by organised manufacturing sector in 14 districts of State is shown in *Table 7*.

Table 7: District wise distribution of Profit earned by organised manufacturing sector of Kerala, 2016-17

Districts	Profit (in ₹ lakhs)	Percentage of profit
Kasaragod	3708	0.4
Kannur	2968	0.3
Wayanad	3666	0.4
Kozhikode	70530	6.8
Malappuram	13095	1.3
Palakkad	45023	4.3
Thrissur	74604	7.1
Ernakulam	658648	63.1
Idukki	49095	4.7
Kottayam	68260	6.5
Alappuzha	15338	1.5
Pathanamthitta	9248	0.9
Kollam	13337	1.3
Thiruvananthapuram	16163	1.5
Total	1043683	100.00

Gross Value Added (GVA)

Gross value added is the increment to the value of goods and services contributed by the factory which is obtained by deducting the value of total input from total output. The survey figures reveal that Ernakulam district contributed the highest of about 50.93% of the total Gross Value Added (GVA) of the state. The percentage contribution of remaining districts lies between 0 and 10 percentages (*see Table 8*).

Table 8: District wise distribution of Gross Value Added (GVA) of organised manufacturing sector of Kerala, 2016-17

Districts	Gross Value Added (GVA) (in ₹ lakhs)	Percentage of GVA
Kasaragod	19514	0.85
Kannur	44635	1.94
Wayanad	11325	0.49
Kozhikode	127409	5.54
Malappuram	41992	1.83
Palakkad	126294	5.49
Thrissur	160209	6.97
Ernakulam	1170839	50.93
Idukki	73135	3.18
Kottayam	177122	7.71
Alappuzha	96047	4.18
Pathanamthitta	39810	1.73
Kollam	114111	4.96
Thiruvananthapuram	96291	4.19
Total	2298731	100

Employment and Emoluments paid

An attempt has been made to track the employment status in the manufacturing units of 14 districts by estimating number of persons engaged and emoluments paid to employees. Out of the total number of persons engaged in the manufacturing sector of state the highest estimate of about 86,946 persons are working in the factories of Ernakulam district (27% of state value). The second highest is recorded by Kollam district with an estimate of about 55,379 workers contributing 17% of the state value.

Table 9: District wise distribution of number of persons engaged in manufacturing sector of Kerala, 2016-17

Districts	Number of persons Engaged	Percentage of persons engaged
Kasargod	14219	4
Kannur	19004	6
Wayanad	2611	1
Kozhikode	13672	4
Malappuram	7998	2
Palakkad	19573	6
Thrissur	22668	7
Ernakulam	86946	27
Idukki	6995	2
Kottayam	18190	6
Alappuzha	30016	9
Pathanamthitta	9133	3
Kollam	55379	17
Thiruvananthapuram	20239	6
Total	326644	100

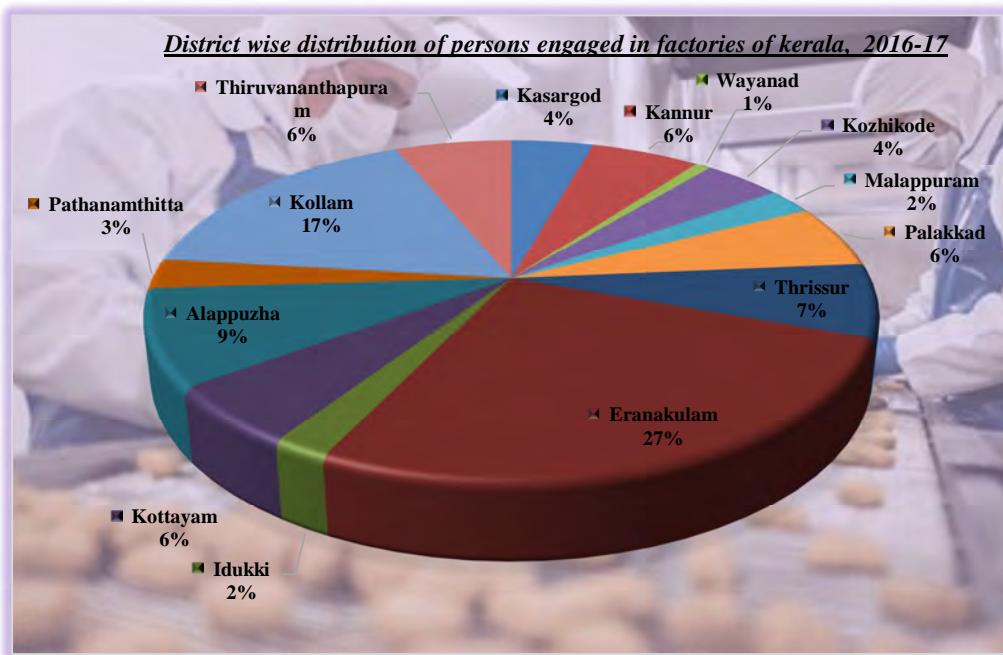


Figure 8

The survey categorises the employees as workers, employees other than workers and unpaid family members/proprietor etc. Further, workers are categorised as directly employed and employed through contractors. *Figure 9* shows the district wise distribution of directly employed and contractual workers.

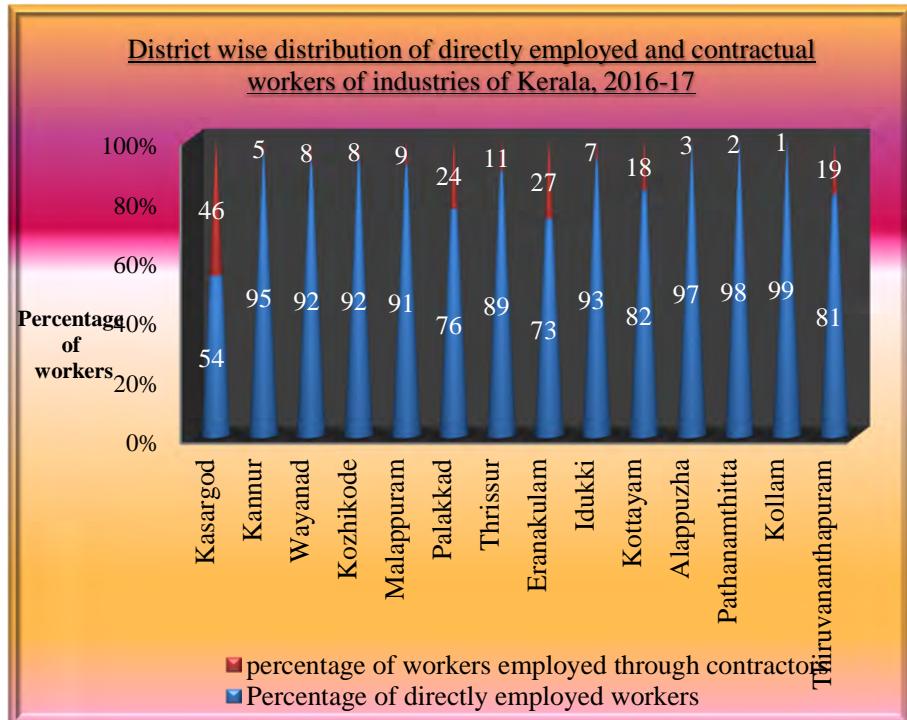


Figure 9

The average emolument paid to the employees in rendering service to the manufacturing sector is a significant factor that affects the employment status. *Figure 10* illustrates the district wise distribution of emoluments paid to the employees in the manufacturing sector.

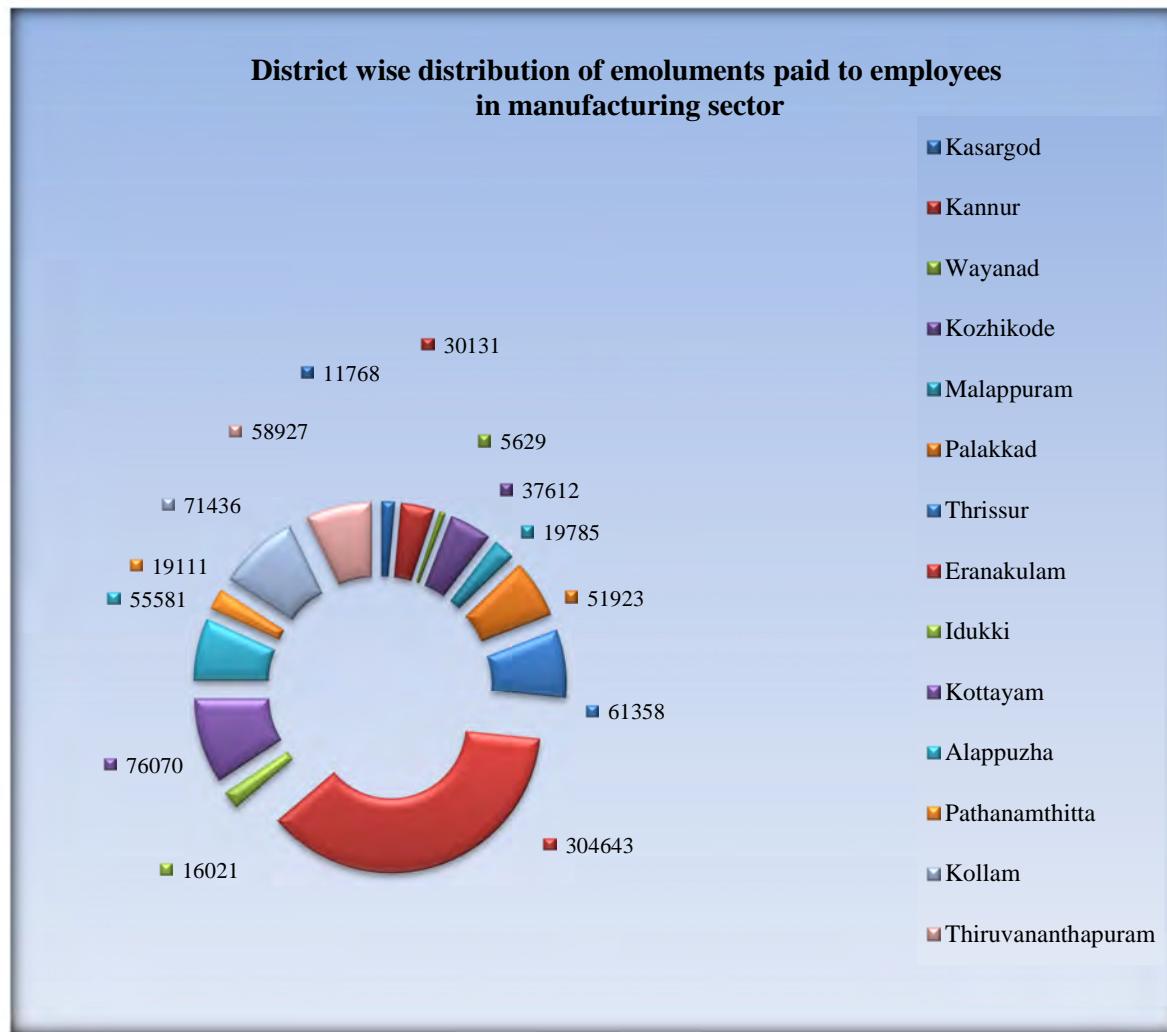


Figure 10

Broad view of factory sector by 2-digit NIC 2008

The National Industrial Classification (NIC) 2008 is used in the survey for grouping the factories based on the product manufactured. NIC code is given as per maximum ex-factory value of major product out of the multiple products and the by-products manufactured by the units. Estimation based on NIC categorization guides the policy makers to focus on weaker sections of the sector for formulating and implementing policies for improvement.

The analysis of the factory sector based on 2-digit NIC 2008 categorization of various products manufactured in the industries is substantial for alleviating the challenges faced by industrially weaker sections of the sector. In the organised manufacturing sector of Kerala the highest proportion of factories of 20% are involved in the manufacture of food products and the least of 0.1% in motor vehicles, trailers and semi-trailers. The second and third highest manufacturing products are non-metallic mineral products (13.2%) and tobacco products (11.4%) respectively.

The complete picture of the products manufactured in the state is given in *Figure 11* and *Table 10*

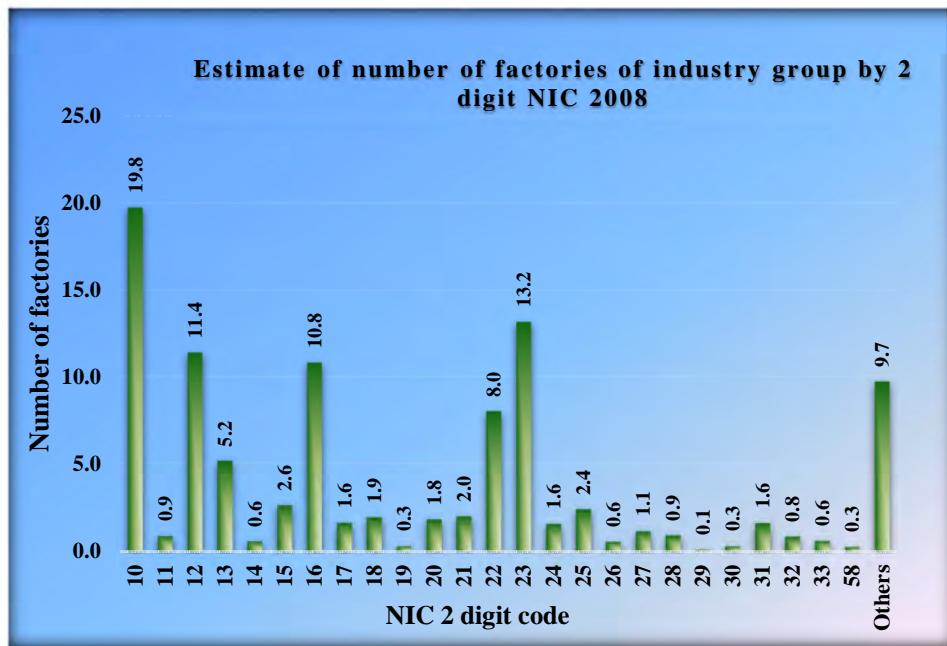


Figure 11

Table 10: Distribution of factories by major factory group at 2-digit NIC 2008

NIC 2 digit code	Description	Number of factories	Percentage of factories
10	Manufacture of food products	1576	19.8
11	Manufacture of beverages	69	0.9
12	Manufacture of tobacco products	911	11.4
13	Manufacture of textiles	412	5.2
14	Manufacture of wearing apparel	45	0.6
15	Manufacture of leather and related products	209	2.6
16	Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	863	10.8
17	Manufacture of paper and paper products	130	1.6
18	Printing and reproduction of recorded media	154	1.9
19	Manufacture of coke and refined petroleum products	24	0.3
20	Manufacture of chemicals and chemical products	145	1.8
21	Manufacture of pharmaceuticals, medicinal chemical and botanical products	159	2.0
22	Manufacture of rubber and plastic products	638	8.0
23	Manufacture of other non-metallic mineral products	1051	13.2
24	Manufacture of basic metals	124	1.6
25	Manufacture of fabricated metal products, except machinery and equipment'	190	2.4
26	Manufacture of computer, electronic and optical products	44	0.6
27	Manufacture of electrical equipment	91	1.1
28	Manufacture of machinery and equipment n.e.c	73	0.9
29	Manufacture of motor vehicles, trailers and semi-trailers	8	0.1
30	Manufacture of other transport equipment	24	0.3
31	Manufacture of furniture	128	1.6
32	Other manufacturing	67	0.8
33	Repair and installation of machinery and equipment	49	0.6
58	Publishing activities	21	0.3
	Others	777	9.7
	Total	7982	100.0

Fixed Capital & Invested Capital

As per the estimates the industries manufacturing coke and refined petroleum products has made highest investment on fixed assets in the year 2016-17. The estimated value of fixed capital is ₹ 27, 98,975 lakhs, which accounts to about 58.50% of the state value (*see Table 11*).

Table 11: Distribution of fixed capital by major factory group at 2-digit NIC 2008

NIC 2 digit Code	Description	Fixed Capital (valuein ₹ lakhs)	Percentage of fixed capital
10	Manufacture of food products	417708	8.73
11	Manufacture of beverages	29399	0.61
12	Manufacture of tobacco products	4879	0.10
13	Manufacture of textiles	102754	2.15
14	Manufacture of wearing apparel	21610	0.45
15	Manufacture of leather and related products	24175	0.51
16	Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	69673	1.46
17	Manufacture of paper and paper products	25882	0.54
18	Printing and reproduction of recorded media	122514	2.56
19	Manufacture of coke and refined petroleum products	2798975	58.50
20	Manufacture of chemicals and chemical products	114687	2.40
21	Manufacture of pharmaceuticals, medicinal chemical and botanical products	46781	0.98
22	Manufacture of rubber and plastic products	229630	4.80
23	Manufacture of other non-metallic mineral products	224469	4.69
24	Manufacture of basic metals	59822	1.25
25	Manufacture of fabricated metal products, except machinery and equipment'	28441	0.59
26	Manufacture of computer, electronic and optical products	69141	1.45
27	Manufacture of electrical equipment	17006	0.36
28	Manufacture of machinery and equipment n.e.c	10032	0.21
29	Manufacture of motor vehicles, trailers and semi-trailers	921	0.02
30	Manufacture of other transport equipment	50266	1.05
31	Manufacture of furniture	11046	0.23
32	Other manufacturing	14170	0.30
33	Repair and installation of machinery and equipment	2022	0.04
58	Publishing activities	21507	0.45
	Others	267042	5.58
	Total	4784549	100.00

The estimated invested capital of industries manufacturing coke and refined petroleum products is the highest with an estimate of ₹ 31, 66,378 lakhs (48.4% of state value). For details see *Table 12* and *Figure 12*.

Table 12: Distribution of invested capital by major factory group at 2-digit NIC 2008

NIC 2 digit code	Description	Invested Capital (Value in ₹ lakhs)	Percentage of Invested Capital
10	Manufacture of food products	893450	13.6
11	Manufacture of beverages	39130	0.6
12	Manufacture of tobacco products	11290	0.2
13	Manufacture of textiles	167228	2.6
14	Manufacture of wearing apparel	32106	0.5
15	Manufacture of leather and related products	44868	0.7
16	Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	127863	2.0
17	Manufacture of paper and paper products	35617	0.5
18	Printing and reproduction of recorded media	142322	2.2
19	Manufacture of coke and refined petroleum products	3166378	48.4
20	Manufacture of chemicals and chemical products	302976	4.6
21	Manufacture of pharmaceuticals, medicinal chemical and botanical products	81972	1.3
22	Manufacture of rubber and plastic products	334241	5.1
23	Manufacture of other non-metallic mineral products	277051	4.2
24	Manufacture of basic metals	127223	1.9
25	Manufacture of fabricated metal products, except machinery and equipment'	44498	0.7
26	Manufacture of computer, electronic and optical products	122590	1.9
27	Manufacture of electrical equipment	37874	0.6
28	Manufacture of machinery and equipment n.e.c	22257	0.3
29	Manufacture of motor vehicles, trailers and semi-trailers	1493	0.0
30	Manufacture of other transport equipment	76615	1.2
31	Manufacture of furniture	25455	0.4
32	Other manufacturing	35198	0.5
33	Repair and installation of machinery and equipment	4681	0.1
58	Publishing activities	28065	0.4
	Others	364899	5.6
	Total	6547340	100.0

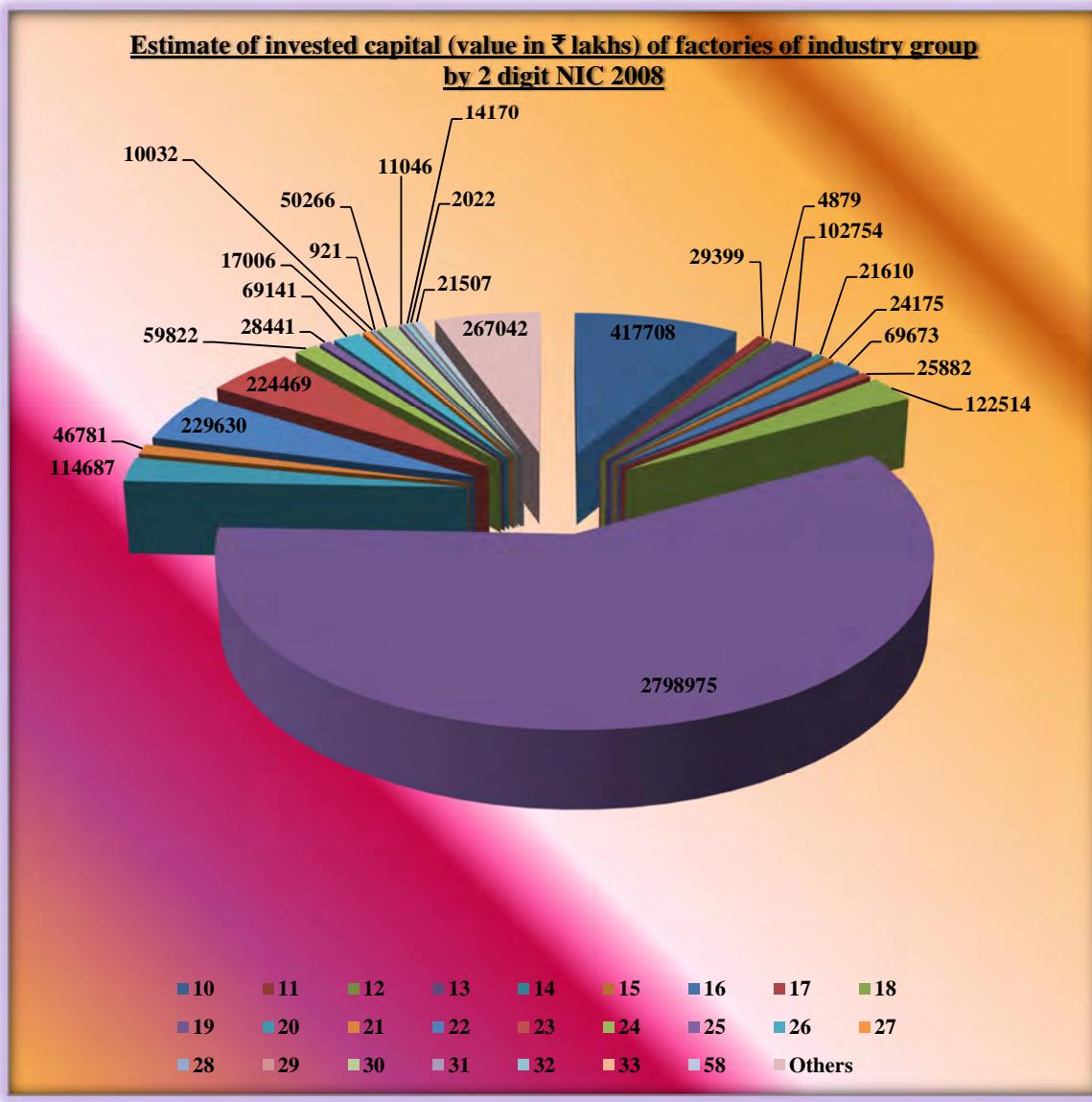


Figure 12

Total Output

The estimated output by 2 digit NIC 2008 shows that factories manufacturing coke and refined petroleum products recorded the highest of about ₹ 42,28,975 lakhs (30.33% of state value) followed by industries manufacturing food products with an estimate of ₹ 30,41,624 lakhs (21.82% of state value). The *Table 13* and *Figure 13* demonstrate the detail picture of the same.

Table 13: Distribution of output of factories by major factory group at 2-digit NIC 2008

NIC 2 digit code	Description	Total Output (Value in ₹ lakhs)	Percentage of Output
10	Manufacture of food products	3041624	21.82
11	Manufacture of beverages	96003	0.69
12	Manufacture of tobacco products	52697	0.38
13	Manufacture of textiles	376566	2.70
14	Manufacture of wearing apparel	82813	0.59
15	Manufacture of leather and related products	147503	1.06
16	Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	154591	1.11
17	Manufacture of paper and paper products	78194	0.56
18	Printing and reproduction of recorded media	209641	1.50
19	Manufacture of coke and refined petroleum products	4228975	30.33
20	Manufacture of chemicals and chemical products	813983	5.84
21	Manufacture of pharmaceuticals, medicinal chemical and botanical products	184432	1.32
22	Manufacture of rubber and plastic products	1010136	7.24
23	Manufacture of other non-metallic mineral products	463029	3.32
24	Manufacture of basic metals	1223568	8.78
25	Manufacture of fabricated metal products, except machinery and equipment'	108695	0.78
26	Manufacture of computer, electronic and optical products	273395	1.96
27	Manufacture of electrical equipment	116118	0.83
28	Manufacture of machinery and equipment n.e.c	41907	0.30
29	Manufacture of motor vehicles, trailers and semi-trailers	3713	0.03
30	Manufacture of other transport equipment	218875	1.57
31	Manufacture of furniture	56883	0.41
32	Other manufacturing	63558	0.46
33	Repair and installation of machinery and equipment	14800	0.11
58	Publishing activities	68639	0.49
	Others	812382	5.83
	Total	13942718	100.00

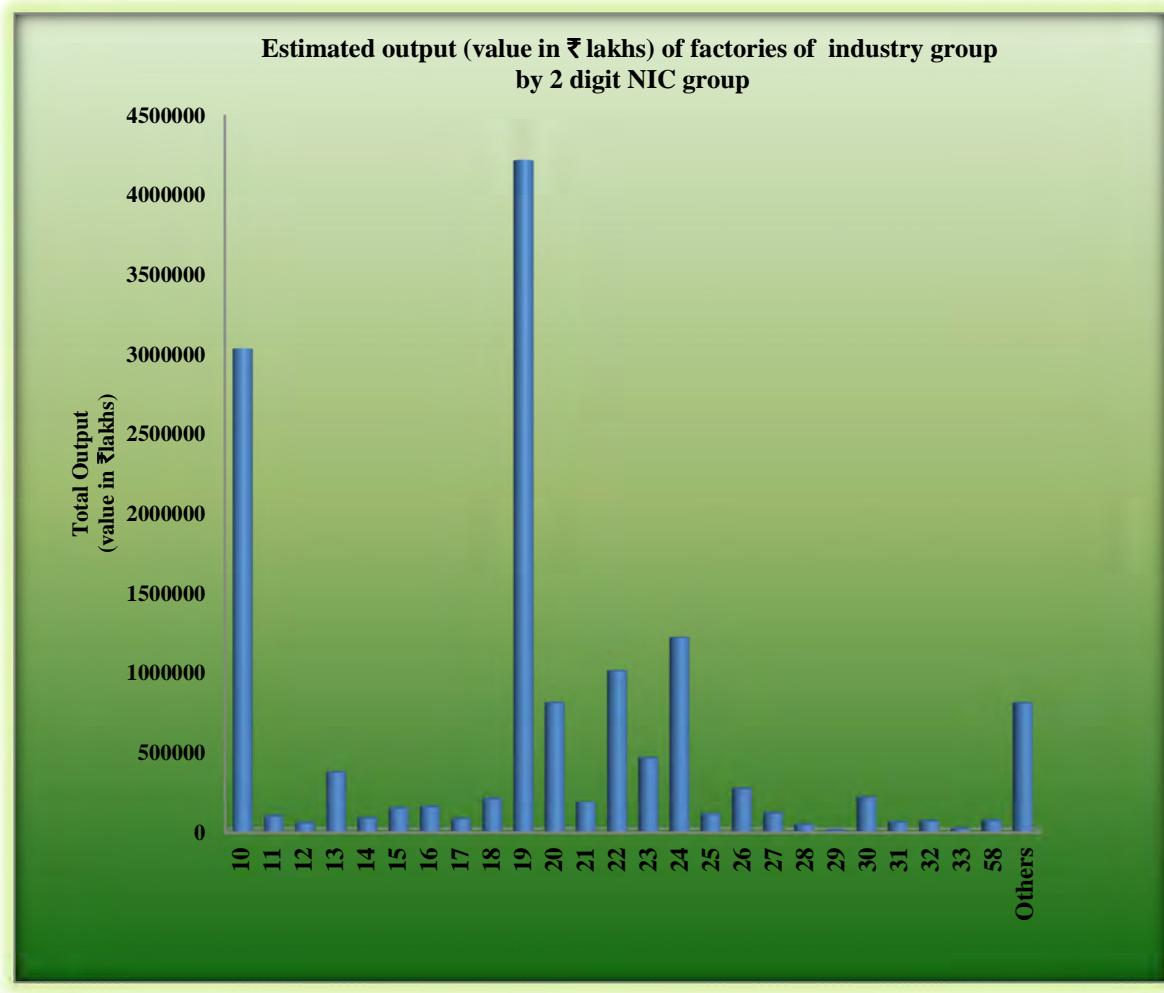


Figure 13

Gross Value Added (GVA)

Distribution of GVA by 2-digit NIC 2008 shows that industries manufacturing food products made the highest share of state GVA with an estimate of ₹ 3, 57,680 lakhs (15.56 % of state value). The second and third highest GVA is recorded by industries manufacturing coke & refined petroleum products and chemicals & chemical products with an estimate of ₹ 3, 35,128 lakhs (14.48 % of state value) and ₹ 3, 21,869 lakhs (14.0 % of state value) respectively (*see Table 14 and Figure 14*).

Table 14: Distribution of Gross Value Added (GVA) of factories by major factory group at 2-digit NIC 2008

NIC 2 digit code	Description	Gross Value Added (GVA) (value in ₹ lakhs)	Percentage of GVA
10	Manufacture of food products	357680	15.56
11	Manufacture of beverages	15173	0.66
12	Manufacture of tobacco products	14797	0.64
13	Manufacture of textiles	71673	3.12
14	Manufacture of wearing apparel	33445	1.45
15	Manufacture of leather and related products	31872	1.39
16	Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	35198	1.53
17	Manufacture of paper and paper products	8974	0.39
18	Printing and reproduction of recorded media	97160	4.23
19	Manufacture of coke and refined petroleum products	335128	14.58
20	Manufacture of chemicals and chemical products	321869	14.00
21	Manufacture of pharmaceuticals, medicinal chemical and botanical products	60543	2.63
22	Manufacture of rubber and plastic products	237224	10.32
23	Manufacture of other non-metallic mineral products	186377	8.11
24	Manufacture of basic metals	97731	4.25
25	Manufacture of fabricated metal products, except machinery and equipment'	24218	1.05
26	Manufacture of computer, electronic and optical products	80478	3.50
27	Manufacture of electrical equipment	34023	1.48
28	Manufacture of machinery and equipment n.e.c	13156	0.57
29	Manufacture of motor vehicles, trailers and semi-trailers	1152	0.05
30	Manufacture of other transport equipment	69514	3.02
31	Manufacture of furniture	12508	0.54
32	Other manufacturing	16190	0.70
33	Repair and installation of machinery and equipment	2841	0.12
58	Publishing activities	30940	1.35
	Others	108866	4.74
	Total	2298731	100.00

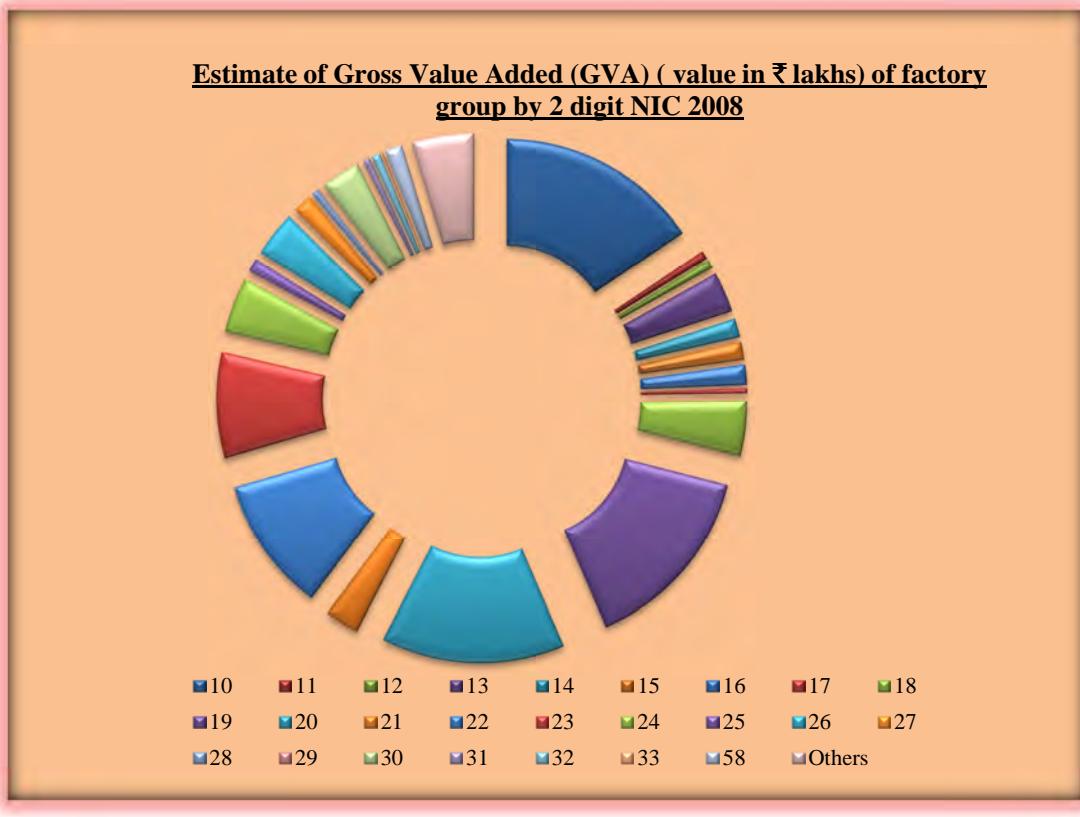


Figure 14

Income

Income estimates of the factories by 2-digit NIC 2008 shows that the highest income is generated by industries manufacturing food products with an estimate of ₹ 2,75,820 lakhs and the least by motor vehicles, trailers and semi-trailers manufacturing industries with an estimate of about ₹ 1039 lakhs. The detailed estimates are illustrated in the *Table 15* and *Figure 15*.

Table 15: Distribution of Net Income of factories by major factory group at 2-digit NIC 2008

NIC 2 digit code	Description	Net Income (value in ₹lakhs)	Percentage of Net Income
10	Manufacture of food products	275820	14.8
11	Manufacture of beverages	11153	0.6
12	Manufacture of tobacco products	14642	0.8
13	Manufacture of textiles	48110	2.6
14	Manufacture of wearing apparel	29225	1.6
15	Manufacture of leather and related products	24976	1.3
16	Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	19714	1.1
17	Manufacture of paper and paper products	4377	0.2
18	Printing and reproduction of recorded media	72350	3.9
19	Manufacture of coke and refined petroleum products	267028	14.3
20	Manufacture of chemicals and chemical products	274935	14.8
21	Manufacture of pharmaceuticals, medicinal chemical and botanical products	51267	2.8
22	Manufacture of rubber and plastic products	211294	11.3
23	Manufacture of other non-metallic mineral products	152516	8.2
24	Manufacture of basic metals	80180	4.3
25	Manufacture of fabricated metal products, except machinery and equipment'	18212	1.0
26	Manufacture of computer, electronic and optical products	69946	3.8
27	Manufacture of electrical equipment	27104	1.5
28	Manufacture of machinery and equipment n.e.c	10984	0.6
29	Manufacture of motor vehicles, trailers and semi-trailers	1039	0.1
30	Manufacture of other transport equipment	76689	4.1
31	Manufacture of furniture	9518	0.5
32	Other manufacturing	14213	0.8
33	Repair and installation of machinery and equipment	2393	0.1
58	Publishing activities	24205	1.3
	Others	71788	3.9
	Total	1863677	100.0

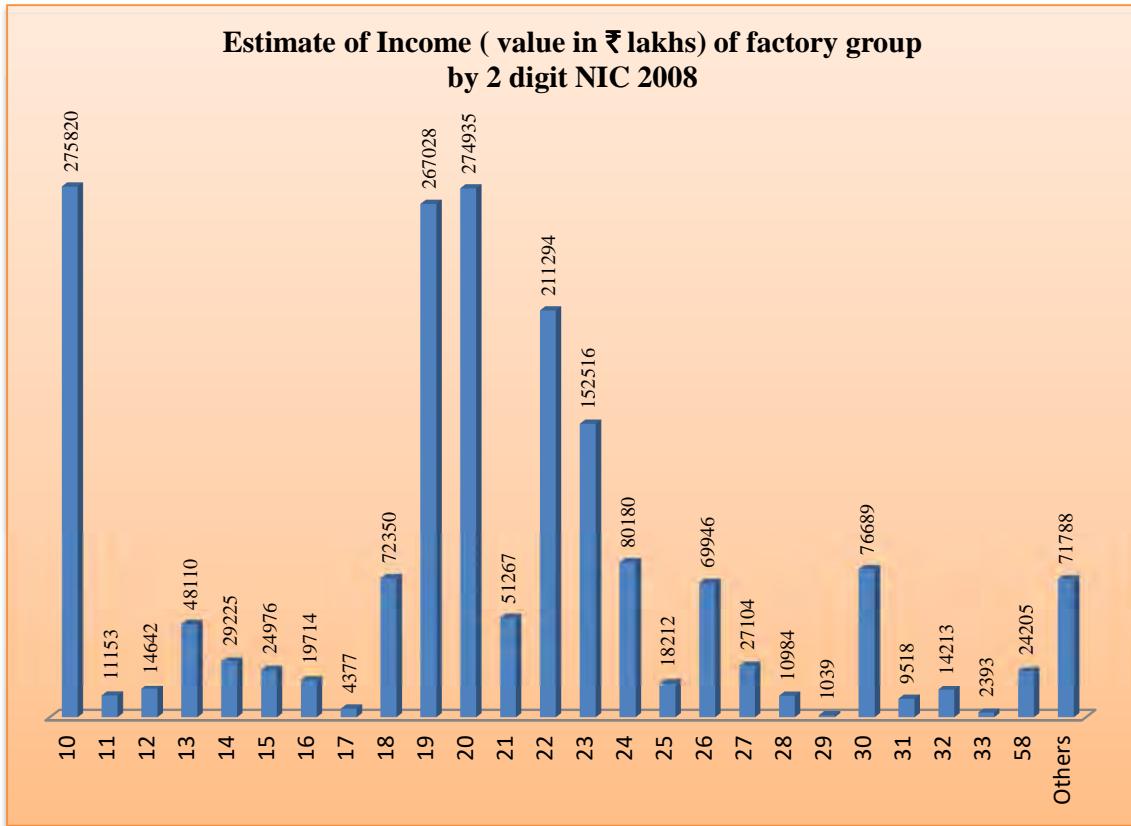


Figure 15

Profit

Profit is one of the most significant factors that promote the industrial sector. As per the estimates the industries manufacturing coke and refined petroleum products have earned highest profit of about ₹ 2, 09,871 lakhs (20.1% of state value). It's also noteworthy that industries manufacturing paper and paper products have faced a loss of about ₹ 8,262 lakhs. The second and the third highest profits are recorded by industries manufacturing chemicals & chemical products and rubber & plastic products with an estimate of about ₹ 2, 02,441 lakhs and ₹1, 32,327 lakhs respectively (*see Table 16 and Figure 16*).

Table 16: Distribution of Profit of factories by major factory group at 2-digit NIC 2008

NIC 2 digit code	Description	Profit (value in ₹lakhs)	Percentage of Profit
10	Manufacture of food products	120211	11.5
11	Manufacture of beverages	2184	0.2
12	Manufacture of tobacco products	1534	0.1
13	Manufacture of textiles	4845	0.5
14	Manufacture of wearing apparel	13866	1.3
15	Manufacture of leather and related products	9123	0.9
16	Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	8056	0.8
17	Manufacture of paper and paper products	-8262	-0.8
18	Printing and reproduction of recorded media	35029	3.4
19	Manufacture of coke and refined petroleum products	209871	20.1
20	Manufacture of chemicals and chemical products	202441	19.4
21	Manufacture of pharmaceuticals, medicinal chemical and botanical products	23412	2.2
22	Manufacture of rubber and plastic products	132327	12.7
23	Manufacture of other non-metallic mineral products	94786	9.1
24	Manufacture of basic metals	67746	6.5
25	Manufacture of fabricated metal products, except machinery and equipment'	5515	0.5
26	Manufacture of computer, electronic and optical products	27475	2.6
27	Manufacture of electrical equipment	5821	0.6
28	Manufacture of machinery and equipment n.e.c	1254	0.1
29	Manufacture of motor vehicles, trailers and semi-trailers	62	0.0
30	Manufacture of other transport equipment	47444	4.5
31	Manufacture of furniture	2999	0.3
32	Other manufacturing	6782	0.6
33	Repair and installation of machinery and equipment	1579	0.2
58	Publishing activities	10694	1.0
	Others	16891	1.6
	Total	1043683	100.0

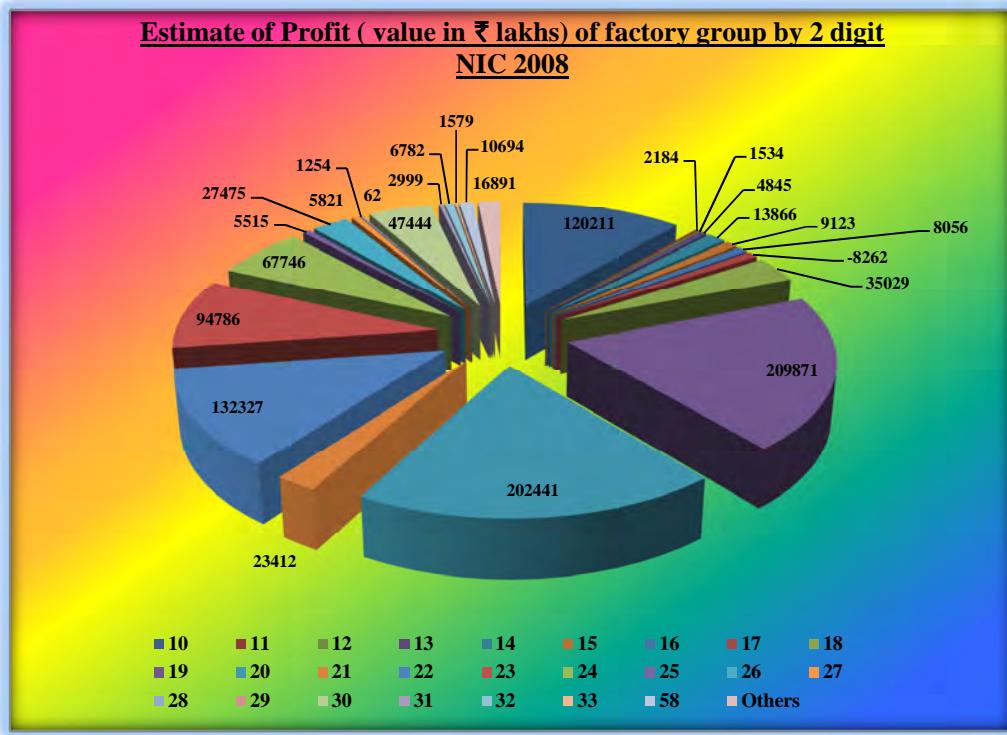


Figure 16

Number of persons engaged

The number of persons engaged means all persons engaged by the factory whether for wages or not connected directly or indirectly with the manufacturing process and includes all administrative, technical and clerical staffs and labour in production of capital assets for factory's own use. The estimated number of persons engaged in factories manufacturing food products recorded the highest with an estimate of about 95,588 (29.3% of state value) and the least by motor vehicles, trailers and semi-trailers industries at a count of 327. The *Table 17* and *Figure 17* give a broad view of the number of persons engaged in different categories of manufacturing sector in the state.

Table 17: Distribution of Number of persons engaged in factories by major factory group at 2-digit NIC 2008

NIC 2 digit code	Description	Number of persons engaged	Percentage of persons engaged
10	Manufacture of food products	95588	29.3
11	Manufacture of beverages	3503	1.1
12	Manufacture of tobacco products	19018	5.8
13	Manufacture of textiles	22147	6.8
14	Manufacture of wearing apparel	9566	2.9
15	Manufacture of leather and related products	8058	2.5
16	Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	9324	2.9
17	Manufacture of paper and paper products	3998	1.2
18	Printing and reproduction of recorded media	6112	1.9
19	Manufacture of coke and refined petroleum products	13428	4.1
20	Manufacture of chemicals and chemical products	11219	3.4
21	Manufacture of pharmaceuticals, medicinal chemical and botanical products	10114	3.1
22	Manufacture of rubber and plastic products	22798	7.0
23	Manufacture of other non-metallic mineral products	20311	6.2
24	Manufacture of basic metals	4706	1.4
25	Manufacture of fabricated metal products, except machinery and equipment'	4960	1.5
26	Manufacture of computer, electronic and optical products	14026	4.3
27	Manufacture of electrical equipment	5547	1.7
28	Manufacture of machinery and equipment n.e.c	2539	0.8
29	Manufacture of motor vehicles, trailers and semi-trailers	327	0.1
30	Manufacture of other transport equipment	5174	1.6
31	Manufacture of furniture	2805	0.9
32	Other manufacturing	3454	1.1
33	Repair and installation of machinery and equipment	445	0.1
58	Publishing activities	2091	0.6
	Others	25387	7.8
	Total	326644	100.0

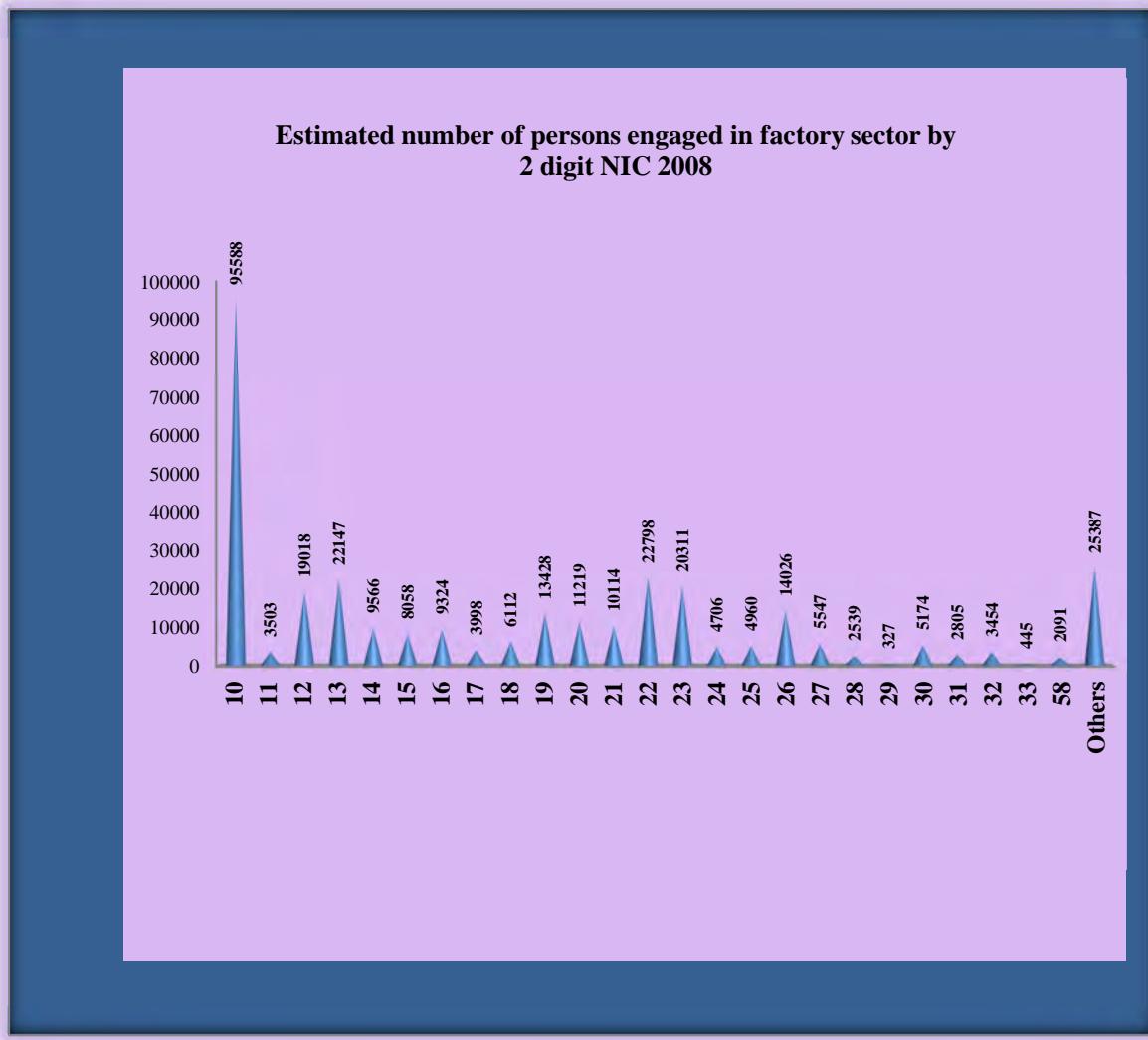


Figure 17

Organised Manufacturing sector -Annual Trends

Trend analysis of industrial statistics of organized manufacturing sector of the state over the year is imperative for assessing the status of the sector and for future planning. Attempt has been made in this section to analyse some significant characteristics of the manufacturing sector for 6 consecutive years from 2011-12 to 2016-17.

***Table 18: Estimate of significant characteristics of organised manufacturing sector
from 2011-12 to 2016-17***

All Industries		Financial Year						
Sl.No.	Characteristics	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	
1	Number of Factories	7021	7129	7132	7295	7584	7982	
2	Fixed Capital	1559998	1793601	2454515	3312566	4069375	4784549	
3	Invested Capital	2955044	3254204	4042414	4804167	5717150	6547340	
4	Total Output	10986032	12064788	13573186	14237493	12052212	13942718	
5	Total Input	9803836	10774729	12014395	12680764	10237768	11643987	
6	Gross Value Added (GVA)	1182196	1290059	1558791	1556729	1814445	2298731	
7	Net Value Added (NVA)	1024346	1128481	1370155	1315095	1568912	2047964	
8	Net Income	919956	1009353	1235082	1092333	1377101	1863677	
9	Profit	313490	381847	573135	319992	509639	1043683	

As per the survey results the estimated number of factories in the state as well as fixed capital and invested capital are showing an increasing trend in 6 consecutive years. The estimated output and input plummeted in 2015-16

compared to previous year while in the year 2011-12 it recorded the lowest. Apart from this data shows a surge in output and input in the year 2016-17. The net income and profit shows an increasing trend during 2011-2014 which dropped in 2014-15 and again an increasing trend is noticed during 2015-2017. A slight decline in Gross Value Added (GVA) in the production is observed in the year 2014-15 while the remaining years shows an increasing trend.

The rationale for the fluctuations in the figures over 6 years needs special attention and strategies may be planned in reviving the manufacturing sector through new industrial policies.

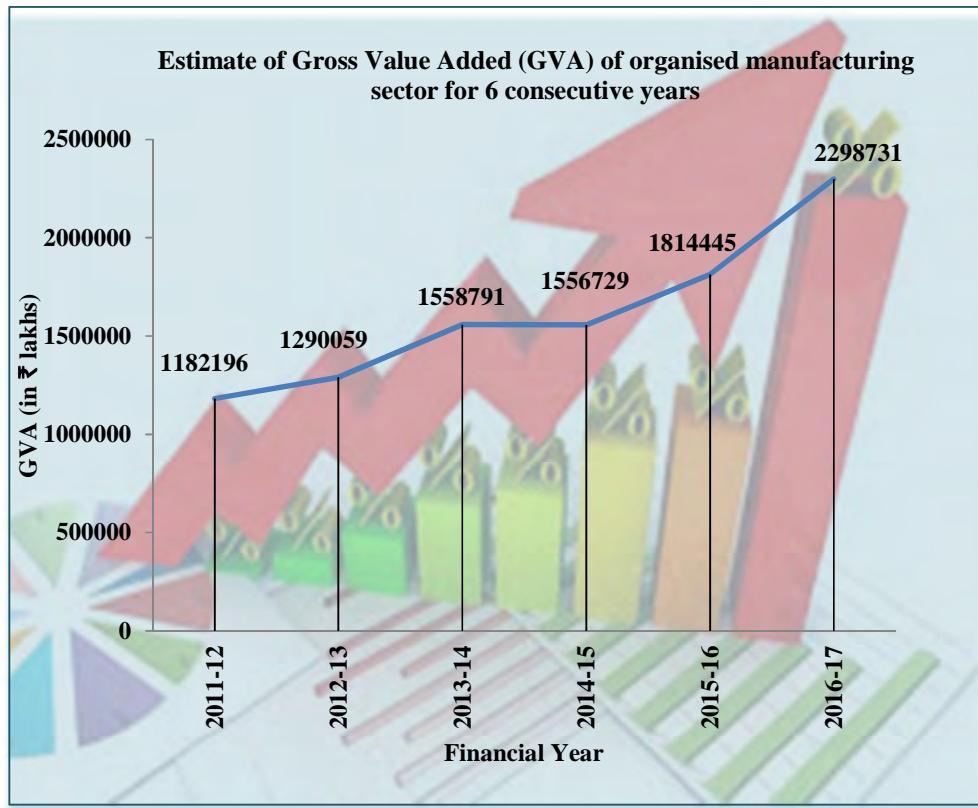


Figure 18

The growth rate of some characteristics were analysed during two successive years 2015-16 and 2016-17. The figures show an increase in the number of factories during the year 2016-17 to the extent of 5.25%. The estimated fixed capital and invested capital recorded a growth of 17.5% and 14.52% respectively. And the total output and input increased by 15.69% and 13.74% respectively. The Gross Value Added (GVA) of production increased by 26.69%. It's noteworthy that while the income increased by only 35.33% the profit earned by industries spiked by more than 100%.

Table 19: Distribution of growth rate of significant characteristics of organised manufacturing sector during 2015-16 & 2016-17

Sl.No.	Characteristics	2015-16	2016-17	percentage growth rate over 2015-16
1	Number of Factories	7584	7982	5.25
2	Fixed Capital	4069375	4784549	17.57
3	Invested Capital	5717150	6547340	14.52
4	Total Output	12052212	13942718	15.69
5	Total Input	10237768	11643987	13.74
6	Gross Value Added (GVA)	1814445	2298731	26.69
7	Net Value Added (NVA)	1568912	2047964	30.53
8	Net Income	1377101	1863677	35.33
9	Profit	509639	1043683	104.79

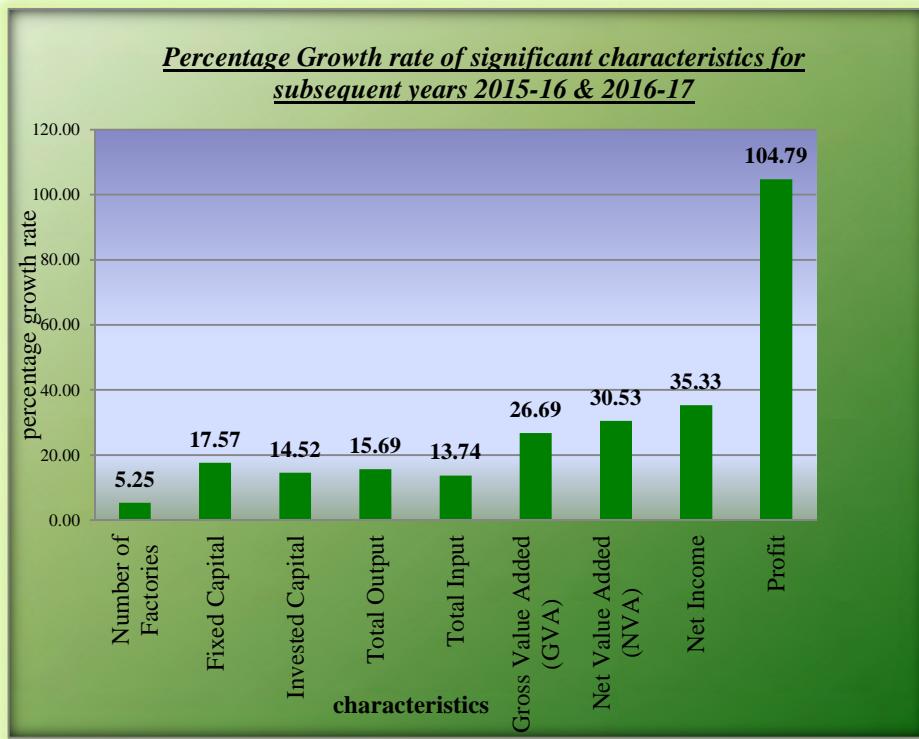


Figure 19

Analysing gender based participation of the workers and emoluments paid in the manufacturing industries also plays a significant role in social and economic development.

The year 2016-17 recorded the largest decline in the number of workers in 6 consecutive financial years. And the number of employees other than workers and unpaid family member/proprietor for the year 2016-17 shows an increasing trend compared to previous year. The total number of persons engaged in factories plummeted in 2016-17 (380901 in 2015-16 to 326644 in 2016-17). This is the largest decline recorded in 6 years.

The fluctuations in the number of workers, employees other than worker and unpaid family member/proprietor for 6 consecutive years are depicted in *Table 20*.

Table 20: Distribution of workers engaged in factories in the state.

Characteristics	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	
Workers	310398	302971	287071	294750	317472	259160	
Employees other than workers	51440	54175	58514	82641	61857	65021	
Unpaid family members/proprietor etc.	1407	786	1774	1943	1573	2463	
Total	363245	357932	347359	379334	380901	326644	

The workers engaged in the factories are categorized as directly employed and employed through contractors. Among the directly employed, female participation decreased from 66.2% in 2011-12 to 47.9% in 2016-17 whereas the male participation has increased from 33.8% to 52.1%. Compared to 5 consecutive years the year 2016-17 recorded the least female-male ratio in directly employed workers.

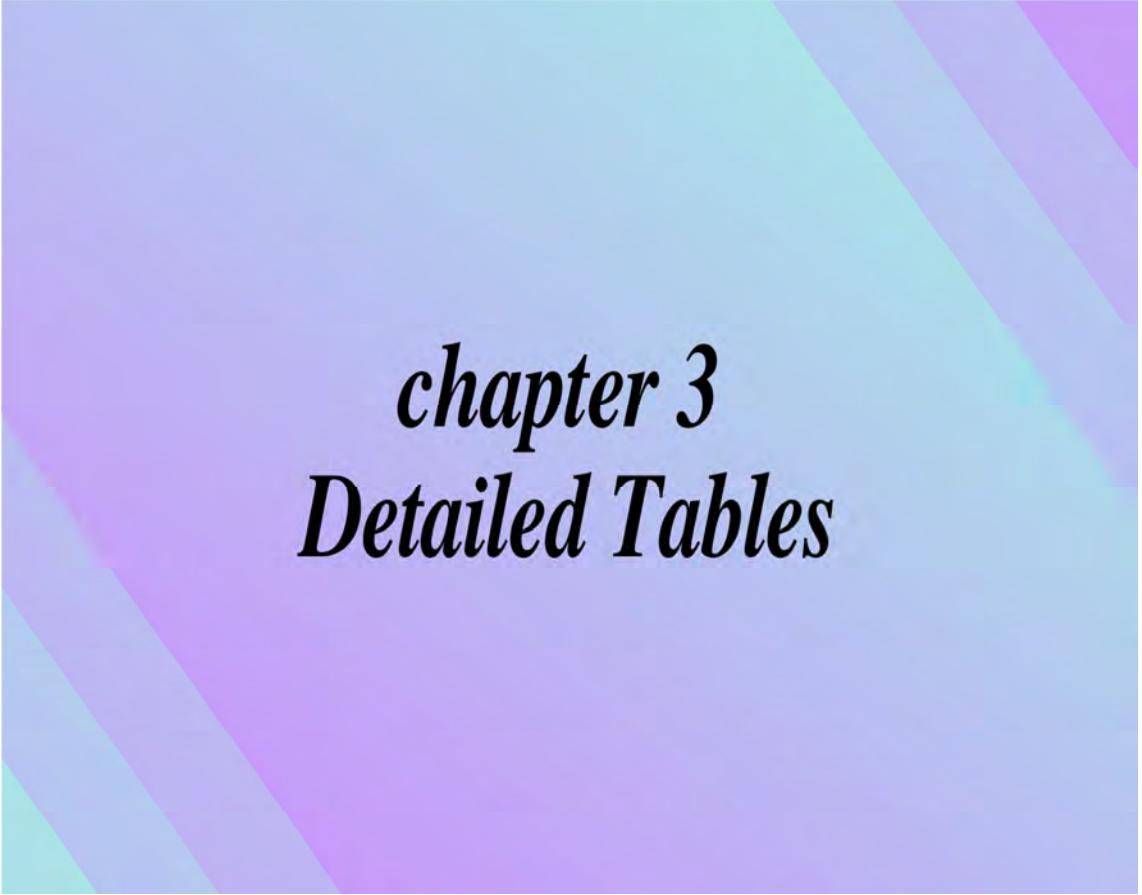
The emoluments paid to the employees shows an increasing trend over the years 2011-12 to 2015-16 while the total emoluments has decreased from ₹8,67,462 lakhs in 2015-16 to ₹8,19,994 lakhs in 2016-17.

Table 21: Gender based distribution of directly employed workers

Characteristics	percentage of workers					
	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
Directly employed workers						
Men	33.8	37.7	39.5	40.9	50.0	52.1
Women	66.2	62.3	60.5	59.1	50.0	47.9

Table 22: Distribution of emoluments paid to the employees in organised manufacturing sector for 6 financial years

Financial year	Wages and salaries including employees contribution (value in ₹ lakhs)
2011-12	562506
2012-13	627506
2013-14	661948
2014-15	781658
2015-16	867462
2016-17	819994



chapter 3

Detailed Tables

TABLE NO:	DESCRIPTION OF TABLE	PAGE NO:
1	Estimate of selected characteristics of factories for all- Kerala	61
1.1	District Wise estimate of selected characteristics of factories of Kerala	62
1.2	Estimate of selected characteristics of factory sector of State by 2-digit industry group (NIC 2008)	65
1.3	Estimate of selected characteristics of factory sector of State by 3-digit industry group (NIC 2008)	69
1.4	District wise estimate of selected characteristics of factory sector of State by 2-digit industry group (NIC 2008)	80
1.5	District wise estimate of selected characteristics of factory sector of State by 3-digit industry group (NIC 2008)	119
2	Estimate of (i) employment,(ii) man days employed and (iii)emoluments paid in the factories of Kerala	176
2.1	District wise Estimate of (i) employment,(ii) man days employed and (iii) emoluments paid in the factories of Kerala	177
2.2	Estimate of (i) employment, (ii) man days employed and (iii) emoluments paid in the factory sector by 2-digit NIC 2008.	180
2.3	Estimate of (i) employment, (ii) man days employed and (iii) emoluments paid in the factory sector 3-digit NIC 2008.	183
2.4	District wise estimate of (i) employment, (ii) man days employed and(iii) emoluments paid in the factory sector by 2-digit NIC 2008	190
2.5	District wise estimate of (i) employment, (ii) man days employed and(iii) emoluments paid in the factory sector 3-digit NIC 2008	227
3	Estimate of fuels consumed in the factory sector by 2-digit NIC 2008.	285
3.1	District wise estimate of Fuels consumed at Industry by 2-digit NIC 2008.	286

**Table1: Estimate of selected characteristics of factories of Kerala for the year
2016-17**

All Industries		(Values in ₹lakh unless otherwise mentioned)
Sl. No.	Characteristics	
1	Number of factories	7982
2	Factories in operation	6507
3	Fixed Capital	4784549
4	Physical Working Capital	1762792
5	Working Capital	1282428
6	Invested Capital	6547340
7	Gross Value of Additions to Fixed Capital	1303159
8	Rent Paid	25225
9	Outstanding Loan	1660709
10	Interest paid	196509
11	Rent received	3418
12	Interest received	34028
13	Gross Value of P & M	2497417
14	Value of Products & By-products'	11712493
15	Total Output	13942718
16	Fuel Consumed	458725
17	Materials Consumed for Manufacturing	8899385
18	Total Input	11643987
19	Gross Value Added (GVA)	2298731
20	Depreciation	250766
21	Net Value Added (NVA)	2047964
22	Net Fixed Capital Formation(NFCF)	904184
23	Gross Fixed Capital Formation (GFCF)	1154951
24	Addition in stock of:	242626
	(a) Materials, Fuels etc.	86092
	(b) Semi-Finished Goods	25494
	(c) Finished Goods	131040
25	Gross Capital Formation	1397576
26	Net Income	1863677
27	Profit	1043683

Table 1.1 District wise estimate of selected characteristics of Factories of Kerala for the year 2016-17
(Values in ₹ lakh unless otherwise mentioned)

Sl.No.	Characteristics	All	Kasaragod	Kannur	Wayanad	Kozhikode	Malappuram
1	Number of factories	7982	378	1098	63	525	274
2	Factories in operation	6507	343	620	61	402	258
3	Fixed Capital	4784549	18434	58383	12560	100018	43630
4	Physical Working Capital	1762792	19388	42761	3495	56329	44656
5	Working Capital	1282428	1359	63535	4808	1377	18309
6	Invested Capital	6547340	37821	101145	16055	156347	88286
7	Gross Value of Additions to Fixed Capital	1303159	1846	7733	1372	11769	8675
8	Rent Paid	25225	428	519	190	1600	595
9	Outstanding Loan	1660709	4731	66631	13971	39800	17402
10	Interest paid	196509	2495	5385	492	6270	2593
11	Rent received	3418	26	146	4	206	18
12	Interest received	34028	74	918	33	515	245
13	Gross Value of P & M	2497417	10610	38321	6573	78104	39119
14	Value of Products & By-products'	11712493	47870	195843	57501	358221	233085
15	Total Output	13942718	85408	222939	68575	461028	318484
16	Fuel Consumed	458725	1161	9005	2782	10346	7568
17	Materials Consumed for Manufacturing	8899385	39046	116682	43198	238295	191162
18	Total Input	11643987	65894	178304	57250	333620	276492
19	Gross Value Added (GVA)	2298731	19514	44635	11325	127409	41992
20	Depreciation	250766	1215	6696	1384	12117	6187
21	Net Value Added (NVA)	2047964	18299	37939	9940	115292	35805
22	Net Fixed Capital Formation(NFCF)	904184	583	-233	-285	-3219	1310
23	Gross Fixed Capital Formation (GFCF)	1154951	1798	6463	1100	8898	7497
24	Addition in stock of:	242626	-183	1900	64	8948	7023
	(a) Materials, Fuels etc.	86092	-861	1282	212	8475	7197
	(b) Semi-Finished Goods	25494	1203	-1960	-20	149	792
	(c) Finished Goods	131040	-525	2578	-128	324	-966
25	Gross Capital Formation	1397576	1614	8363	1163	17845	14520
26	Net Income	1863677	15476	33099	9295	108142	32880
27	Profit	1043683	3708	2968	3666	70530	13095

Table 1.1 District wise estimate of selected characteristics of Factories of Kerala for the year 2016-17
(Values in ₹ lakh unless otherwise mentioned)

Sl.No.	Characteristics	Palakkad	Thrissur	Ernakulam	Idukki	Kottayam	Alappuzha
1	Number of factories	494	870	1448	154	433	592
2	Factories in operation	476	711	1138	141	388	531
3	Fixed Capital	182899	150792	3528155	69722	166612	127508
4	Physical Working Capital	124237	86647	950486	28772	59087	113948
5	Working Capital	157150	48823	751712	28952	81593	61571
6	Invested Capital	307136	237439	4478641	98494	225699	241455
7	Gross Value of Additions to Fixed Capital	31080	17161	1109647	4742	45845	23806
8	Rent Paid	1196	1219	11448	682	2098	1938
9	Outstanding Loan	569201	93729	520520	20375	38790	75619
10	Interest paid	13128	10405	98276	3304	8591	14505
11	Rent received	47	136	1716	53	260	123
12	Interest received	2014	1322	21461	106	1315	3310
13	Gross Value of P & M	167291	95109	1640961	26685	151899	50057
14	Value of Products & By-products'	663159	621181	7070970	225746	570234	695128
15	Total Output	766992	716939	8295362	235809	737338	762215
16	Fuel Consumed	48210	19769	254306	10470	32149	14273
17	Materials Consumed for Manufacturing	486325	458805	5555279	127267	409705	544775
18	Total Input	640698	556730	7124523	162675	560216	666168
19	Gross Value Added (GVA)	126294	160209	1170839	73135	177122	96047
20	Depreciation	17086	14081	121001	4192	23678	12117
21	Net Value Added (NVA)	109208	146128	1049838	68943	153445	83930
22	Net Fixed Capital Formation(NFCF)	10837	2319	877127	305	4849	7230
23	Gross Fixed Capital Formation (GFCF)	27923	16400	998129	4497	28527	19347
24	Addition in stock of:	9172	11611	196806	10699	-990	20217
	(a) Materials, Fuels etc.	8907	8805	49125	1950	-1565	5913
	(b) Semi-Finished Goods	959	-628	25806	153	70	2452
	(c) Finished Goods	-694	3434	121875	8596	505	11851
25	Gross Capital Formation	37095	28011	1194934	15197	27538	39564
26	Net Income	96946	135962	963291	65116	144330	70919
27	Profit	45023	74604	658648	49095	68260	15338

Table 1.1 District wise estimate of selected characteristics of Factories of Kerala for the year 2016-17
(Values in ₹ lakh unless otherwise mentioned)

Sl.No.	Characteristics	Pathanamthitta	Kollam	Thiruvananthapuram
1	Number of factories	211	1121	322
2	Factories in operation	203	955	281
3	Fixed Capital	58295	161457	106085
4	Physical Working Capital	33005	141802	58179
5	Working Capital	43176	-20764	40827
6	Invested Capital	91300	303259	164264
7	Gross Value of Additions to Fixed Capital	6905	18049	14528
8	Rent Paid	613	511	2188
9	Outstanding Loan	35552	108748	55640
10	Interest paid	4725	18316	8023
11	Rent received	115	244	325
12	Interest received	317	1924	473
13	Gross Value of P & M	31457	68658	92573
14	Value of Products & By-products'	141574	576097	255883
15	Total Output	190356	735538	345736
16	Fuel Consumed	6040	23532	19114
17	Materials Consumed for Manufacturing	97298	453152	138396
18	Total Input	150547	621427	249444
19	Gross Value Added (GVA)	39810	114111	96291
20	Depreciation	6544	12679	11790
21	Net Value Added (NVA)	33265	101432	84502
22	Net Fixed Capital Formation(NFCF)	-823	3167	1016
23	Gross Fixed Capital Formation (GFCF)	5721	15845	12806
24	Addition in stock of:	1662	-27632	3330
	(a) Materials, Fuels etc.	-375	-5948	2975
	(b) Semi-Finished Goods	118	-3155	-444
	(c) Finished Goods	1920	-18529	799
25	Gross Capital Formation	7383	-11787	16136
26	Net Income	28359	84773	75090
27	Profit	9248	13337	16163

Table 1.2 Estimate of selected characteristics of factory sector by 2-digit industry group (NIC-2008) for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

Sl.No.	Characteristics	Total	10	11	12	13	14	15	16
1	Number of factories	7982	1576	69	911	412	45	209	863
2	Factories in operation	6507	1436	69	469	382	40	174	705
3	Fixed Capital	4784549	417708	29399	4879	102754	21610	24175	69673
4	Physical Working Capital	1762792	475741	9731	6411	64474	10495	20693	58190
5	Working Capital	1282428	234576	28140	32555	26836	29960	13558	30962
6	Invested Capital	6547340	893450	39130	11290	167228	32106	44868	127863
7	Gross Value of Additions to Fixed Capital	1303159	64414	6857	4	14892	2340	5514	34498
8	Rent Paid	25225	5147	79	98	705	349		183
9	Outstanding Loan	1660709	258816	7858	7777	134993	2684	6519	30758
10	Interest paid	196509	43556	1008	155	14418	1432	2343	8331
11	Rent received	3418	810	87	70	101	18	9	97
12	Interest received	34028	4982	337	392	1724	60	85	242
13	Gross Value of P & M	2497417	162903	31487	0	101032	21968	18946	17903
14	Value of Products & By-products'	11712494	2533445	92158	38248	341520	73426	141350	127610
15	Total Output	13942718	3041624	96003	52697	376566	82813	147503	154591
16	Fuel Consumed	458725	51424	1997	426	15529	2535	2146	8386
17	Materials Consumed for Manufacturing	8899384	2071242	66265	8127	227429	33601	87981	83678
18	Total Input	11643988	2683944	80829	37900	304893	49368	115631	119393
19	Gross Value Added (GVA)	2298731	357680	15173	14797	71673	33445	31872	35198
20	Depreciation	250766	38949	3358	363	10266	2517	4073	7308
21	Net Value Added (NVA)	2047964	318731	11816	14434	61407	30928	27799	27890
22	Net Fixed Capital Formation(NFCF)	904184	16863	844	-360	3930	-620	785	25686
23	Gross Fixed Capital Formation (GFCF)	1154951	55812	4202	4	14196	1897	4857	32994
24	Addition in stock of:	242626	63205	-597	1466	2030	988	-1195	5047
	(a) Materials, Fuels etc.	86092	41351	-354	1486	1865	705	-228	3469
	(b) Semi-Finished Goods	25494	5356	-115	0	213	1096	193	1044
	(c) Finished Goods	131040	16497	-129	-20	-48	-813	-1159	535
25	Gross Capital Formation	1397576	119017	3605	1469	16226	2885	3663	38041
26	Net Income	1863677	275820	11153	14642	48110	29225	24976	19714
27	Profit	1043683	120211	2184	1534	4845	13866	9123	8056

Table 1.2 Estimate of selected characteristics of factory sector by 2-digit industry group (NIC-2008) for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

Sl.No.	Characteristics	17	18	19	20	21	22	23	24	25
1	Number of factories	130	154	24	145	159	638	1051	124	190
2	Factories in operation	111	137	24	129	143	539	748	109	165
3	Fixed Capital	25882	122514	2798975	114687	46781	229630	224469	59822	28441
4	Physical Working Capital	9735	19809	367403	188290	35191	104611	52583	67401	16057
5	Working Capital	-13159	32348	92126	176528	4518	121118	54004	15783	8152
6	Invested Capital	35617	142322	3166378	302976	81972	334241	277051	127223	44498
7	Gross Value of Additions to Fixed Capital	1289	33087	993680	13715	7500	28956	26821	10771	5092
8	Rent Paid	151	1188	1126	847	979	831	1788	518	287
9	Outstanding Loan	5059	19149	119641	201513	29518	70279	66805	64297	17323
10	Interest paid	2912	4511	13777	40225	3833	10601	8559	11141	3381
11	Rent received	60	46	0	854	8	447	48	10	0
12	Interest received	150	685	834	3352	636	2653	1162	540	98
13	Gross Value of P & M	41012	104178	1077075	216646	27831	147447	123694	49542	20050
14	Value of Products & By-products'	73950	113674	4190574	610356	156461	930569	419178	1197738	92084
15	Total Output	78194	209641	4228975	813983	184432	1010136	463029	1223568	108695
16	Fuel Consumed	14415	4135	158053	54192	7007	33782	44005	31506	3972
17	Materials Consumed for Manufacturing	46535	72486	3296651	382201	75943	634065	141725	1059057	66668
18	Total Input	69220	112480	3893848	492113	123889	772913	276652	1125837	84477
19	Gross Value Added (GVA)	8974	97160	335128	321869	60543	237224	186377	97731	24218
20	Depreciation	1745	19842	54030	10070	5109	17598	24725	6441	2436
21	Net Value Added (NVA)	7230	77318	281097	311800	55434	219626	161652	91290	21782
22	Net Fixed Capital Formation(NFCF)	-4892	-2899	849943	-1721	2002	8566	-4170	2727	1483
23	Gross Fixed Capital Formation (GFCF)	-3148	16943	903973	8349	7111	26164	20555	9168	3920
24	Addition in stock of:	-3873	2614	84850	50531	-420	18041	3845	325	743
	(a) Materials, Fuels etc.	-2686	2407	9126	5844	1538	11847	504	-4341	-51
	(b) Semi-Finished Goods	260	-23	19882	-571	-1058	614	2126	-405	697
	(c) Finished Goods	-1447	230	55841	45258	-899	5580	1215	5071	97
25	Gross Capital Formation	-7020	19557	988823	58880	6691	44205	24400	9493	4663
26	Net Income	4377	72350	267028	274935	51267	211294	152516	80180	18212
27	Profit	-8262	35029	209871	202441	23412	132327	94786	67746	5515

Table 1.2 Estimate of selected characteristics of factory sector by 2-digit industry group (NIC-2008) for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

Sl.No.	Characteristics	26	27	28	29	30	31	32	33	35
1	Number of factories	44	91	73	8	24	128	67	49	12
2	Factories in operation	44	90	71	7	24	112	62	29	12
3	Fixed Capital	69141	17006	10032	921	50266	11046	14170	2022	55135
4	Physical Working Capital	53449	20869	12225	572	26349	14409	21028	2658	4385
5	Working Capital	107077	8929	20443	410	168880	6915	16269	5464	2414
6	Invested Capital	122590	37874	22257	1493	76615	25455	35198	4681	59519
7	Gross Value of Additions to Fixed Capital	11579	3219	865	83	7381	1858	3043	107	570
8	Rent Paid	925	765	77	24	666	419	194	68	49
9	Outstanding Loan	469048	15203	5484	596	5132	10238	12820	1389	13408
10	Interest paid	3922	3351	1251	14	1403	1218	1108	362	1778
11	Rent received	530	19	9	0	131	0	27	6	0
12	Interest received	496	252	140	2	13182	58	424	135	674
13	Gross Value of P & M	79923	24773	8839	452	37170	4002	3531	42	112484
14	Value of Products & By-products'	228031	95848	37751	3314	8050	54487	59120	9453	7086
15	Total Output	273395	116118	41907	3713	218875	56883	63558	14800	8082
16	Fuel Consumed	3763	1823	761	62	3039	1824	743	275	1903
17	Materials Consumed for Manufacturing	152332	60819	23469	2172	106166	35910	38681	4987	4972
18	Total Input	192918	82095	28751	2562	149361	44375	47369	11958	9371
19	Gross Value Added (GVA)	80478	34023	13156	1152	69514	12508	16190	2841	-1290
20	Depreciation	6711	3075	992	76	4069	1410	1125	160	3769
21	Net Value Added (NVA)	73767	30949	12163	1076	65445	11098	15064	2681	-5059
22	Net Fixed Capital Formation(NFCF)	3518	-732	-168	-10	2842	-216	1818	-53	-3304
23	Gross Fixed Capital Formation (GFCF)	10228	2343	825	66	6910	1193	2944	107	465
24	Addition in stock of:	3253	602	1022	70	-4090	1467	2298	438	-1922
	(a) Materials, Fuels etc.	6778	-43	227	111	-6294	731	509	227	-1901
	(b) Semi-Finished Goods	-4148	748	-96	-74	-688	543	9	-136	0
	(c) Finished Goods	623	-103	890	34	2892	194	1781	347	-21
25	Gross Capital Formation	13481	2946	1847	137	2820	2661	5242	545	-1457
26	Net Income	69946	27104	10984	1039	76689	9518	14213	2393	-6212
27	Profit	27475	5821	1254	62	47444	2999	6782	1579	-7938

Table 1.2 Estimate of selected characteristics of factory sector by 2-digit industry group (NIC-2008) for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

Sl.No.	Characteristics	38	45	52	58	59	82	95	96
1	Number of factories	3	724	10	21	3	5	3	17
2	Factories in operation	3	614	10	21	2	5	3	17
3	Fixed Capital	1251	202575	4573	21507	27	2	37	3442
4	Physical Working Capital	284	90892	2159	6559	0	8	23	106
5	Working Capital	2762	57589	-767	-1117	-332	-4	-422	-86
6	Invested Capital	1535	293467	6732	28065	27	10	60	3549
7	Gross Value of Additions to Fixed Capital	92	22303	343	1940	0	0	2	343
8	Rent Paid	12	6764	20	361	0	2	12	15
9	Outstanding Loan	0	78133	605	4804	0	0	0	860
10	Interest paid	8	9706	202	1836	0	0	4	163
11	Rent received	0	17	1	13	0	0	0	0
12	Interest received	101	524	68	33	4	0	0	3
13	Gross Value of P & M	105	19831	1745	42291	0	0	1	515
14	Value of Products & By-products'	0	32865	13491	30615	0	24	0	17
15	Total Output	3432	779790	17454	68639	316	245	560	2503
16	Fuel Consumed	134	8612	624	1322	0	2	4	321
17	Materials Consumed for Manufacturing	5	79754	11897	24041	0	25	39	460
18	Total Input	2617	673580	16000	37699	83	138	430	1296
19	Gross Value Added (GVA)	815	106210	1454	30940	233	107	130	1207
20	Depreciation	169	14884	391	4584	4	0	4	513
21	Net Value Added (NVA)	646	91326	1063	26356	229	106	126	694
22	Net Fixed Capital Formation(NFCF)	-77	5374	-65	-2731	-4	0	-2	-172
23	Gross Fixed Capital Formation (GFCF)	92	20258	326	1853	0	0	2	341
24	Addition in stock of:	-71	9572	1261	1162	0	-4	-3	-30
	(a) Materials, Fuels etc.	-71	11150	1071	1114	0	-1	-3	5
	(b) Semi-Finished Goods	0	19	0	45	0	0	0	-35
	(c) Finished Goods	0	-1596	190	3	0	-3	0	0
25	Gross Capital Formation	21	29830	1586	3015	0	-4	-1	312
26	Net Income	727	75397	910	24205	232	105	110	519
27	Profit	545	24486	129	10694	31	7	-25	-343

Table 1.3:Estimate of selected characteristics of factory sector by 3-digit industry group (NIC-2008) of 2016-17
(Values in ₹ Lakh unless otherwise mentioned)

Sl.No.	Characteristics	Total	101	102	103	104	105	106
1	Number of factories	7982	3	164	57	75	79	158
2	Factories in operation	6507	3	141	44	68	79	129
3	Fixed Capital	4784548	4247	87268	5548	23109	39652	32079
4	Physical Working Capital	1762792	260	83813	4323	36790	40856	46843
5	Working Capital	1282428	114	29767	1401	22637	23508	8301
6	Invested Capital	6547340	4507	171082	9870	59898	80508	78922
7	Gross Value of Additions to Fixed Capital	1303159	609	13855	1329	3382	10322	5681
8	Rent Paid	25225	5	1128	19	228	259	206
9	Outstanding Loan	1660709	2840	49833	4013	7516	13750	28431
10	Interest paid	196509	39	10785	339	1673	1066	3764
11	Rent received	3418	2	195	0	6	93	46
12	Interest received	34028	2	1287	16	310	232	503
13	Gross Value of P & M	2497417	569	37412	183	11068	19074	8425
14	Value of Products & By-products'	11712494	2867	480757	15083	239437	307103	184541
15	Total Output	13942718	3034	513471	15274	312179	337912	276371
16	Fuel Consumed	458725	92	12216	157	2936	5665	5409
17	Materials Consumed for Manufacturing	8899384	1975	431387	14160	214334	257036	152705
18	Total Input	11643988	2952	475704	15141	286888	306137	245732
19	Gross Value Added (GVA)	2298731	81	37766	133	25291	31775	30639
20	Depreciation	250766	208	7622	416	2079	5756	3052
21	Net Value Added (NVA)	2047964	-127	30144	-283	23212	26019	27587
22	Net Fixed Capital Formation(NFCF)	904184	401	3814	901	896	3156	2194
23	Gross Fixed Capital Formation (GFCF)	1154951	609	11435	1317	2975	8912	5247
24	Addition in stock of:	242626	69	21939	835	11096	4698	12528
	(a) Materials, Fuels etc.	86092	-2	5098	894	10436	3935	11103
	(b) Semi-Finished Goods	25494	7	1018	-51	26	38	95
	(c) Finished Goods	131040	64	15822	-8	634	726	1330
25	Gross Capital Formation	1397576	678	33374	2152	14070	13610	17775
26	Net Income	1863677	-167	19713	-624	21628	25019	24165
27	Profit	1043683	-679	-3297	-1343	12134	8374	16265

Table 1.3:Estimate of selected characteristics of factory sector by 3-digit industry group (NIC-2008) of 2016-17
(Values in ₹ Lakh unless otherwise mentioned)

Sl.No.	Characteristics	107	108	110	120	131	139	141
1	Number of factories	1027	14	69	911	226	186	44
2	Factories in operation	958	14	69	469	207	175	39
3	Fixed Capital	217646	8158	29399	4879	65718	37035	21216
4	Physical Working Capital	256309	6547	9731	6411	32831	31643	10495
5	Working Capital	147280	1568	28140	32555	-23975	50811	29954
6	Invested Capital	473955	14706	39130	11290	98549	68679	31712
7	Gross Value of Additions to Fixed Capital	28552	683	6857	4	8826	6066	2340
8	Rent Paid	3294	8	79	98	465	240	349
9	Outstanding Loan	141463	10971	7858	7777	112707	22286	2684
10	Interest paid	25685	206	1008	155	10499	3918	1432
11	Rent received	469	0	87	70	35	67	18
12	Interest received	2598	34	337	392	431	1293	60
13	Gross Value of P & M	76180	9992	31487	0	82335	18697	21555
14	Value of Products & By-products'	1185382	118275	92158	38248	139767	201754	73426
15	Total Output	1456418	126965	96003	52697	155260	221306	82606
16	Fuel Consumed	23090	1858	1997	426	12358	3172	2525
17	Materials Consumed for Manufacturing	890436	109209	66265	8127	92294	135135	33601
18	Total Input	1227600	123790	80829	37900	124919	179974	49347
19	Gross Value Added (GVA)	228819	3176	15173	14797	30341	41332	33259
20	Depreciation	18905	912	3358	363	6542	3724	2511
21	Net Value Added (NVA)	209914	2264	11816	14434	23799	37608	30749
22	Net Fixed Capital Formation(NFCF)	5829	-329	844	-360	1855	2075	-613
23	Gross Fixed Capital Formation (GFCF)	24734	583	4202	4	8397	5799	1897
24	Addition in stock of:	12685	-645	-597	1466	-2043	4073	1139
	(a) Materials, Fuels etc.	10694	-806	-354	1486	650	1215	856
	(b) Semi-Finished Goods	4224	0	-115	0	248	-35	1096
	(c) Finished Goods	-2233	161	-129	-20	-2941	2893	-813
25	Gross Capital Formation	37419	-62	3605	1469	6354	9871	3036
26	Net Income	184002	2084	11153	14642	13300	34810	29046
27	Profit	92747	-3990	2184	1534	-14337	19182	13866

Table 1.3:Estimate of selected characteristics of factory sector by 3-digit industry group (NIC-2008) of 2016-17
(Values in ₹ Lakh unless otherwise mentioned)

Sl.No.	Characteristics	143	151	152	161	162	170	181
1	Number of factories	1	5	204	291	572	130	154
2	Factories in operation	1	5	169	231	475	111	137
3	Fixed Capital	394	857	23318	5129	64544	25882	122514
4	Physical Working Capital	0	1736	18956	16233	41957	9735	19809
5	Working Capital	6	1905	11653	16682	14280	-13159	32348
6	Invested Capital	394	2593	42274	21362	106501	35617	142322
7	Gross Value of Additions to Fixed Capital	0	55	5459	317	34180	1289	33087
8	Rent Paid	0	32	542	34	149	151	1188
9	Outstanding Loan	0	464	6055	1224	29534	5059	19149
10	Interest paid	0	166	2177	155	8176	2912	4511
11	Rent received	0	0	9	32	65	60	46
12	Interest received	0	7	78	2	240	150	685
13	Gross Value of P & M	413	1110	17836	0	17903	41012	104178
14	Value of Products & By-products'	0	7124	134226	13415	114194	73950	113674
15	Total Output	207	7424	140078	16486	138105	78194	209641
16	Fuel Consumed	9	139	2007	329	8057	14415	4135
17	Materials Consumed for Manufacturing	0	4661	83320	11746	71932	46535	72486
18	Total Input	21	5910	109721	13375	106018	69220	112480
19	Gross Value Added (GVA)	186	1514	30357	3111	32087	8974	97160
20	Depreciation	7	129	3943	244	7064	1745	19842
21	Net Value Added (NVA)	179	1385	26414	2867	25023	7230	77318
22	Net Fixed Capital Formation(NFCF)	-7	-75	859	43	25643	-4892	-2899
23	Gross Fixed Capital Formation (GFCF)	0	55	4803	286	32707	-3148	16943
24	Addition in stock of:	-151	-380	-815	3071	1976	-3873	2614
	(a) Materials, Fuels etc.	-151	-56	-172	2917	552	-2686	2407
	(b) Semi-Finished Goods	0	-81	273	5	1039	260	-23
	(c) Finished Goods	0	-242	-917	150	385	-1447	230
25	Gross Capital Formation	-151	-325	3987	3358	34683	-7020	19557
26	Net Income	179	1194	23782	2712	17002	4377	72350
27	Profit	1	233	8890	395	7661	-8262	35029

Table 1.3:Estimate of selected characteristics of factory sector by 3-digit industry group (NIC-2008) of 2016-17
(Values in ₹ Lakh unless otherwise mentioned)

Sl.No.	Characteristics	191	192	201	202	203	210	221
1	Number of factories	5	19	62	82	1	159	360
2	Factories in operation	5	19	48	80	1	143	294
3	Fixed Capital	34130	2764845	74077	40550	59	46781	176288
4	Physical Working Capital	6361	361042	131308	56892	90	35191	76591
5	Working Capital	4131	87995	113519	62811	197	4518	80986
6	Invested Capital	40490	3125888	205385	97443	149	81972	252879
7	Gross Value of Additions to Fixed Capital	18532	975148	6538	7178	0	7500	18133
8	Rent Paid	211	915	424	423	0	979	535
9	Outstanding Loan	10	119631	187596	13911	7	29518	33835
10	Interest paid	235	13542	34731	5494	0	3833	6211
11	Rent received	0	0	644	210	0	8	428
12	Interest received	7	827	3050	302	0	636	2476
13	Gross Value of P & M	21639	1055435	179042	37402	202	27831	113248
14	Value of Products & By-products'	41074	4149500	402242	206925	1189	156461	753880
15	Total Output	41196	4187779	589983	222801	1198	184432	817893
16	Fuel Consumed	252	157801	49049	5051	92	7007	26103
17	Materials Consumed for Manufacturing	33336	3263315	234549	146676	977	75943	514039
18	Total Input	35034	3858814	313613	177420	1080	123889	621622
19	Gross Value Added (GVA)	6162	328965	276371	45381	118	60543	196271
20	Depreciation	1262	52769	5749	4311	10	5109	10946
21	Net Value Added (NVA)	4901	276197	270621	41070	108	55434	185325
22	Net Fixed Capital Formation(NFCF)	16932	833011	-873	-838	-10	2002	4866
23	Gross Fixed Capital Formation (GFCF)	18193	885780	4876	3473	0	7111	15812
24	Addition in stock of:	2596	82253	45314	5184	34	-420	15395
	(a) Materials, Fuels etc.	2647	6479	4373	1461	10	1538	10507
	(b) Semi-Finished Goods	127	19755	-627	56	0	-1058	224
	(c) Finished Goods	-178	56019	41568	3667	23	-899	4664
25	Gross Capital Formation	20790	968033	50190	8656	34	6691	31207
26	Net Income	4461	262567	239161	35665	108	51267	181483
27	Profit	3017	206853	182594	19749	98	23412	120880

Table 1.3:Estimate of selected characteristics of factory sector by 3-digit industry group (NIC-2008) of 2016-17
(Values in ₹ Lakh unless otherwise mentioned)

Sl.No.	Characteristics	222	231	239	241	242	243	251
1	Number of factories	278	5	1046	76	20	28	71
2	Factories in operation	246	5	743	66	18	26	59
3	Fixed Capital	53342	2164	222305	36765	7060	15996	16229
4	Physical Working Capital	28020	336	52247	46298	9799	11304	8509
5	Working Capital	40132	-195	54199	7190	2680	5913	1479
6	Invested Capital	81362	2500	274552	83063	16860	27300	24738
7	Gross Value of Additions to Fixed Capital	10823	240	26582	5632	844	4295	3426
8	Rent Paid	296	3	1785	56	116	346	137
9	Outstanding Loan	36444	806	65999	57228	2440	4629	7359
10	Interest paid	4390	150	8409	4852	5170	1119	2153
11	Rent received	19	0	48	9	1	0	0
12	Interest received	177	9	1153	475	41	23	57
13	Gross Value of P & M	34199	1308	122386	33736	6268	9538	12691
14	Value of Products & By-products'	176689	2656	416522	236994	838947	121797	56574
15	Total Output	192244	3356	459673	254114	839804	129650	68441
16	Fuel Consumed	7679	293	43711	25554	3246	2707	1798
17	Materials Consumed for Manufacturing	120026	1700	140024	205309	750495	103252	45631
18	Total Input	151290	2280	274372	253311	754924	117602	55016
19	Gross Value Added (GVA)	40953	1076	185301	803	84880	12048	13425
20	Depreciation	6652	278	24446	4498	599	1344	1084
21	Net Value Added (NVA)	34301	798	160855	-3695	84281	10703	12341
22	Net Fixed Capital Formation(NFCF)	3700	-55	-4114	831	247	1649	1249
23	Gross Fixed Capital Formation (GFCF)	10353	223	20332	5329	846	2993	2333
24	Addition in stock of:	2646	117	3728	-4336	2036	2624	1330
	(a) Materials, Fuels etc.	1340	112	392	-4683	395	-53	501
	(b) Semi-Finished Goods	390	0	2126	-795	-137	526	636
	(c) Finished Goods	916	5	1210	1142	1778	2151	194
25	Gross Capital Formation	12999	340	24060	994	2882	5617	3663
26	Net Income	29811	654	151861	-8119	79038	9262	10109
27	Profit	11447	41	94746	-12447	77192	3001	4294

Table 1.3:Estimate of selected characteristics of factory sector by 3-digit industry group (NIC-2008) of 2016-17
(Values in ₹ Lakh unless otherwise mentioned)

Sl.No.	Characteristics	259	261	262	263	264	265	266
1	Number of factories	119	26	1	3	5	7	2
2	Factories in operation	106	26	1	3	5	7	2
3	Fixed Capital	12211	50215	4	11950	301	5680	991
4	Physical Working Capital	7548	39785	133	3778	471	6297	2986
5	Working Capital	6673	26270	256	61705	764	13539	4543
6	Invested Capital	19760	90000	137	15728	772	11977	3976
7	Gross Value of Additions to Fixed Capital	1666	10279	1	810	18	350	121
8	Rent Paid	150	865	13	30	7	4	7
9	Outstanding Loan	9964	6533	0	450183	124	12207	1
10	Interest paid	1228	2546	0	1250	35	90	1
11	Rent received	0	480	0	28	19	4	0
12	Interest received	41	336	0	14	3	134	9
13	Gross Value of P & M	7359	54990	0	17355	193	6999	386
14	Value of Products & By-products'	35510	183075	335	13545	2853	19933	8290
15	Total Output	40254	195785	347	43814	3115	21982	8352
16	Fuel Consumed	2173	3225	4	263	14	237	21
17	Materials Consumed for Manufacturing	21037	124515	189	7509	1928	11199	6992
18	Total Input	29461	144216	229	24004	2402	14754	7313
19	Gross Value Added (GVA)	10793	51570	118	19810	713	7228	1039
20	Depreciation	1352	5267	0	640	47	610	147
21	Net Value Added (NVA)	9441	46303	118	19170	666	6618	892
22	Net Fixed Capital Formation(NFCF)	234	3668	1	170	-29	-260	-32
23	Gross Fixed Capital Formation (GFCF)	1587	8935	1	810	18	350	115
24	Addition in stock of:	-587	4643	0	-684	-231	302	-777
	(a) Materials, Fuels etc.	-551	6791	0	-135	-154	845	-570
	(b) Semi-Finished Goods	61	-3114	0	-506	-62	-379	-88
	(c) Finished Goods	-97	966	0	-44	-15	-164	-120
25	Gross Capital Formation	1000	13578	1	126	-213	651	-662
26	Net Income	8103	43708	105	17932	646	6662	894
27	Profit	1221	12917	67	12617	-118	1473	518

Table 1.3:Estimate of selected characteristics of factory sector by 3-digit industry group (NIC-2008) of 2016-17
(Values in ₹ Lakh unless otherwise mentioned)

Sl.No.	Characteristics	271	272	273	274	275	279	281
1	Number of factories	45	10	11	10	4	11	15
2	Factories in operation	45	10	11	9	4	11	14
3	Fixed Capital	11890	386	2426	1123	112	1069	1284
4	Physical Working Capital	14000	845	3270	1080	178	1495	1525
5	Working Capital	4758	515	-1951	107	114	5385	6988
6	Invested Capital	25890	1232	5695	2203	290	2564	2809
7	Gross Value of Additions to Fixed Capital	2574	119	255	41	40	189	192
8	Rent Paid	604	1	25	76	1	60	13
9	Outstanding Loan	12540	383	1766	26	121	367	563
10	Interest paid	2018	72	1052	92	15	102	31
11	Rent received	5	0	0	1	0	14	1
12	Interest received	184	0	48	4	0	16	17
13	Gross Value of P & M	15327	55	6775	1336	16	1263	975
14	Value of Products & By-products'	69118	1977	17344	4235	382	2793	1783
15	Total Output	82078	2492	18034	4724	494	8297	2065
16	Fuel Consumed	1167	96	248	138	7	167	69
17	Materials Consumed for Manufacturing	42640	1805	11387	2862	185	1940	918
18	Total Input	56473	2144	13958	3641	328	5551	1497
19	Gross Value Added (GVA)	25605	348	4076	1083	166	2746	568
20	Depreciation	2227	57	412	137	16	226	149
21	Net Value Added (NVA)	23378	291	3663	946	150	2520	419
22	Net Fixed Capital Formation(NFCF)	-478	62	-136	-164	22	-38	9
23	Gross Fixed Capital Formation (GFCF)	1749	119	276	-27	38	188	159
24	Addition in stock of:	598	-44	-129	42	21	115	57
	(a) Materials, Fuels etc.	280	-80	-366	54	25	44	21
	(b) Semi-Finished Goods	906	-44	-59	-57	9	-6	46
	(c) Finished Goods	-588	80	297	45	-13	76	-10
25	Gross Capital Formation	2346	75	147	15	59	304	215
26	Net Income	20945	219	2634	782	135	2388	392
27	Profit	5488	29	33	-283	27	527	-425

Table 1.3:Estimate of selected characteristics of factory sector by 3-digit industry group (NIC-2008) of 2016-17
(Values in ₹ Lakh unless otherwise mentioned)

Sl.No.	Characteristics	282	292	293	301	303	309	310
1	Number of factories	58	6	2	16	5	3	128
2	Factories in operation	57	5	2	16	5	3	112
3	Fixed Capital	8748	202	719	46828	3289	149	11046
4	Physical Working Capital	10700	355	218	24115	1724	510	14409
5	Working Capital	13454	163	248	167041	4319	-2480	6915
6	Invested Capital	19448	557	937	70943	5013	660	25455
7	Gross Value of Additions to Fixed Capital	673	55	28	7139	242	0	1858
8	Rent Paid	64	16	8	653	5	8	419
9	Outstanding Loan	4921	102	494	1015	1013	3104	10238
10	Interest paid	1220	2	12	1341	59	3	1218
11	Rent received	8	0	0	131	0	0	0
12	Interest received	123	2	0	13112	70	0	58
13	Gross Value of P & M	7864	88	364	31333	5344	492	4002
14	Value of Products & By-products'	35968	1921	1393	5050	2304	697	54487
15	Total Output	39841	2201	1512	212367	5711	797	56883
16	Fuel Consumed	692	31	31	2786	234	19	1824
17	Materials Consumed for Manufacturing	22551	1223	950	105010	582	574	35910
18	Total Input	27254	1437	1125	146569	2054	737	44375
19	Gross Value Added (GVA)	12588	764	388	65798	3657	59	12508
20	Depreciation	843	28	48	3683	371	14	1410
21	Net Value Added (NVA)	11745	736	339	62114	3286	46	11098
22	Net Fixed Capital Formation(NFCF)	-177	28	-37	2986	-130	-14	-216
23	Gross Fixed Capital Formation (GFCF)	666	55	11	6669	241	0	1193
24	Addition in stock of:	966	67	3	-4450	390	-30	1467
	(a) Materials, Fuels etc.	206	123	-12	-6551	254	3	731
	(b) Semi-Finished Goods	-141	-76	2	-801	125	-12	543
	(c) Finished Goods	901	20	13	2902	11	-22	194
25	Gross Capital Formation	1632	122	14	2219	631	-30	2661
26	Net Income	10592	720	319	73362	3292	35	9518
27	Profit	1679	29	34	47892	78	-526	2999

Table 1.3:Estimate of selected characteristics of factory sector by 3-digit industry group (NIC-2008) of 2016-17
(Values in ₹ Lakh unless otherwise mentioned)

Sl.No.	Characteristics	321	322	323	324	325	329	331
1	Number of factories	13	1	1	1	35	16	12
2	Factories in operation	11	1	1	1	35	14	7
3	Fixed Capital	1647	17	81	50	10313	2063	54
4	Physical Working Capital	8745	19	24	0	4098	8142	33
5	Working Capital	6714	130	196	1	4162	5065	144
6	Invested Capital	10392	35	105	50	14411	10205	87
7	Gross Value of Additions to Fixed Capital	147	0	1	11	2729	154	2
8	Rent Paid	34	1	0	11	134	14	0
9	Outstanding Loan	6937	0	14	0	3602	2267	1
10	Interest paid	473	0	4	0	467	164	1
11	Rent received	24	0	0	0	3	0	0
12	Interest received	32	7	16	0	31	338	0
13	Gross Value of P & M	413	91	168	55	2561	244	0
14	Value of Products & By-products'	18880	59	199	0	18147	21835	0
15	Total Output	20019	59	199	147	20924	22210	716
16	Fuel Consumed	89	2	9	6	324	314	5
17	Materials Consumed for Manufacturing	16880	17	92	3	5927	15762	20
18	Total Input	17697	26	123	24	11103	18396	600
19	Gross Value Added (GVA)	2323	33	76	123	9821	3814	116
20	Depreciation	164	5	11	5	672	268	6
21	Net Value Added (NVA)	2158	27	65	118	9149	3546	109
22	Net Fixed Capital Formation(NFCF)	-70	-5	-10	2	2036	-135	-5
23	Gross Fixed Capital Formation (GFCF)	94	0	1	7	2708	133	2
24	Addition in stock of:	1578	-4	9	0	494	221	-6
	(a) Materials, Fuels etc.	38	-4	9	0	354	111	-6
	(b) Semi-Finished Goods	0	0	0	0	17	-8	0
	(c) Finished Goods	1540	0	0	0	122	119	0
25	Gross Capital Formation	1672	-4	10	7	3202	354	-4
26	Net Income	1707	33	77	107	8582	3706	108
27	Profit	1028	3	22	1	3385	2343	33

Table 1.3:Estimate of selected characteristics of factory sector by 3-digit industry group (NIC-2008) of 2016-17
(Values in ₹ Lakh unless otherwise mentioned)

Sl.No.	Characteristics	332	351	352	353	382	383	452
1	Number of factories	37	8	3	1	2	1	681
2	Factories in operation	22	8	3	1	2	1	572
3	Fixed Capital	1969	53478	1647	9	1240	11	199605
4	Physical Working Capital	2625	4351	34	0	267	17	88171
5	Working Capital	5321	2487	-73	0	2782	-19	56800
6	Invested Capital	4594	57829	1681	9	1507	28	287776
7	Gross Value of Additions to Fixed Capital	105	518	52	0	92	0	22006
8	Rent Paid	67	48	1	0	12	0	6353
9	Outstanding Loan	1389	13408	0	0	0	0	76690
10	Interest paid	360	1778	0	0	0	8	9396
11	Rent received	6	0	0	0	0	0	17
12	Interest received	135	673	1	0	101	0	523
13	Gross Value of P & M	42	110948	1536	0	105	0	19738
14	Value of Products & By-products'	9453	6020	1066	0	0	0	32784
15	Total Output	14084	6742	1309	31	3212	221	762737
16	Fuel Consumed	270	1849	40	14	133	1	8447
17	Materials Consumed for Manufacturing	4967	4112	854	5	1	4	75117
18	Total Input	11358	8231	1121	20	2415	203	660467
19	Gross Value Added (GVA)	2726	-1488	187	12	797	18	102270
20	Depreciation	154	3529	230	10	169	0	14617
21	Net Value Added (NVA)	2572	-5018	-42	1	628	18	87653
22	Net Fixed Capital Formation(NFCF)	-49	-3023	-178	-104	-77	0	5352
23	Gross Fixed Capital Formation (GFCF)	105	506	52	-93	92	0	19969
24	Addition in stock of:	444	-1935	13	0	-71	0	9050
	(a) Materials, Fuels etc.	232	-1914	13	0	-71	0	11049
	(b) Semi-Finished Goods	-136	0	0	0	0	0	19
	(c) Finished Goods	347	-21	0	0	0	0	-2018
25	Gross Capital Formation	549	-1429	65	-93	21	0	29019
26	Net Income	2285	-6172	-42	1	717	10	72443
27	Profit	1545	-7767	-153	-18	584	-39	23122

Table 1.3:Estimate of selected characteristics of factory sector by 3-digit industry group (NIC-2008) of 2016-17
(Values in ₹ Lakh unless otherwise mentioned)

Sl.No.	Characteristics	454	521	581	591	829	952	960
1	Number of factories	43	10	21	3	5	3	17
2	Factories in operation	42	10	21	2	5	3	17
3	Fixed Capital	2969	4573	21507	27	2	37	3442
4	Physical Working Capital	2721	2159	6559	0	8	23	106
5	Working Capital	789	-767	-1117	-332	-4	-422	-86
6	Invested Capital	5691	6732	28065	27	10	60	3549
7	Gross Value of Additions to Fixed Capital	297	343	1940	0	0	2	343
8	Rent Paid	411	20	361	0	2	12	15
9	Outstanding Loan	1443	605	4804	0	0	0	860
10	Interest paid	309	202	1836	0	0	4	163
11	Rent received	0	1	13	0	0	0	0
12	Interest received	1	68	33	4	0	0	3
13	Gross Value of P & M	93	1745	42291	0	0	1	515
14	Value of Products & By-products'	81	13491	30615	0	24	0	17
15	Total Output	17053	17454	68639	316	245	560	2503
16	Fuel Consumed	165	624	1322	0	2	4	321
17	Materials Consumed for Manufacturing	4638	11897	24041	0	25	39	460
18	Total Input	13112	16000	37699	83	138	430	1296
19	Gross Value Added (GVA)	3940	1454	30940	233	107	130	1207
20	Depreciation	267	391	4584	4	0	4	513
21	Net Value Added (NVA)	3673	1063	26356	229	106	126	694
22	Net Fixed Capital Formation(NFCF)	22	-65	-2731	-4	0	-2	-172
23	Gross Fixed Capital Formation (GFCF)	290	326	1853	0	0	2	341
24	Addition in stock of:	522	1261	1162	0	-4	-3	-30
	(a) Materials, Fuels etc.	101	1071	1114	0	-1	-3	5
	(b) Semi-Finished Goods	0	0	45	0	0	0	-35
	(c) Finished Goods	421	190	3	0	-3	0	0
25	Gross Capital Formation	812	1586	3015	0	-4	-1	312
26	Net Income	2954	910	24205	232	105	110	519
27	Profit	1363	129	10694	31	7	-25	-343

Table 1.4:Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District : Kasargod

Characteristics	All	10	11	12	13	14	16	18	19
1.Number of factories	378	9	2	282	6	1	31	2	1
2.Factories in operation	343	8	2	256	6	1	27	1	1
3. Fixed Capital	18434	1252	191	1078	74	27	3573	79	11
4.Physical Working Capital	19388	6076	140	418	123	0	10658	5	0
5.Working Capital	1359	4265	376	-959	96	0	2153	15	0
6.Invested Capital	37821	7328	331	1496	197	27	14231	84	11
7.Gross Value of Additions to Fixed Capital	1846	372	5	0	4	0	884	16	0
8.Rent Paid	428	106	0	27	0	1	7	2	0
9.Outstanding Loan	4731	620	775	1184	47	0	1574	3	0
10.Interest paid	2495	529	5	1	4	0	1744	3	0
11.Rent received	26	0	0	0	0	0	26	0	0
12.Interest received	74	16	0	1	1	0	30	0	0
13.Gross Value of P & M	10610	159	150	0	0	0	2663	0	0
14.Value of Products & By-products'	47870	21604	1930	-286	177	0	18452	73	0
15.Total Output	85408	27111	1947	8170	225	46	35047	141	0
16.Fuel Consumed	1161	214	15	17	4	2	558	6	0
17.Materials Consumed for Manufacturing	39046	19258	1227	33	39	0	11147	37	0
18.Total Input	65894	25139	1815	347	117	9	28449	75	0
19. Gross Value Added (GVA)	19514	1972	132	7823	108	37	6598	66	0
20.Depreciation	1215	163	14	47	8	3	386	13	0
21.Net Value Added (NVA)	18299	1809	118	7776	100	34	6212	53	-1
22.Net Fixed Capital Formation(NFCF)	583	179	-8	-46	-4	-3	497	2	0
23.Gross Fixed Capital Formation (GFCF)	1798	342	5	0	4	0	884	16	0
24.Addition in stock of:	-183	-201	56	298	15	0	-377	0	0
(a) Materials, Fuels etc.	-861	-230	56	298	5	0	-1022	0	0
(b) Semi-Finished Goods	1203	25	0	0	0	0	1173	0	0
(c) Finished Goods	-525	3	0	0	10	0	-528	0	0
25.Gross Capital Formation	1614	141	61	299	18	0	507	15	0
26.Net Income	15476	1190	114	7749	98	33	4518	49	-1
27.Profit	3708	443	45	566	-6	-29	3753	14	-1

Table 1.4:Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District : Kasargod

Characteristics	21	22	23	24	31	35	45
1.Number of factories	1	3	9	1	7	1	22
2.Factories in operation	1	2	9	1	5	1	22
3. Fixed Capital	12	95	1028	135	336	1680	8863
4.Physical Working Capital	0	381	187	279	375	248	497
5.Working Capital	0	183	232	73	149	-5233	7
6.Invested Capital	12	476	1216	414	711	1928	9360
7.Gross Value of Additions to Fixed Capital	0	13	47	0	131	0	373
8.Rent Paid	0	2	3	0	9	0	273
9.Outstanding Loan	0	31	319	0	157	0	22
10.Interest paid	0	12	49	0	52	87	9
11.Rent received	0	0	0	0	0	0	0
12.Interest received	0	1	8	2	1	0	14
13.Gross Value of P & M	0	0	611	0	47	6511	467
14.Value of Products & By-products'	0	1785	1623	0	2195	0	317
15.Total Output	4	1823	1798	0	2306	1	6787
16.Fuel Consumed	0	39	55	34	47	0	171
17.Materials Consumed for Manufacturing	0	1501	659	0	1686	0	3459
18.Total Input	1	1637	1006	36	1856	30	5377
19. Gross Value Added (GVA)	3	186	792	-36	450	-29	1410
20.Depreciation	0	12	110	0	56	51	353
21.Net Value Added (NVA)	3	175	682	-36	395	-80	1057
22.Net Fixed Capital Formation(NFCF)	0	2	-63	0	75	-51	2
23.Gross Fixed Capital Formation (GFCF)	0	13	47	0	131	0	355
24.Addition in stock of:	-4	157	6	0	-115	-9	-10
(a) Materials, Fuels etc.	0	158	25	0	-133	-9	-10
(b) Semi-Finished Goods	0	0	0	0	4	0	0
(c) Finished Goods	-3	-1	-19	0	14	0	0
25.Gross Capital Formation	-4	170	53	0	17	-9	345
26.Net Income	3	161	638	-34	335	-167	790
27.Profit	3	72	239	-37	75	-180	-1251

Table 1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17

District: Kannur

(Values in ₹lakh unless otherwise mentioned)

Characteristics	All	10	11	12	13	14	15	16
1.Number of factories	1098	21	2	568	122	13	4	175
2.Factories in operation	620	18	2	184	108	10	4	135
3. Fixed Capital	58383	5206	125	3782	21504	665	350	5303
4.Physical Working Capital	42761	2109	272	5896	10006	584	162	8196
5.Working Capital	63535	-650	287	33113	13463	-200	412	7981
6.Invested Capital	101145	7315	397	9678	31510	1249	512	13499
7.Gross Value of Additions to Fixed Capital	7733	1110	17	3	839	142	118	692
8.Rent Paid	519	8	4	69	59	67	2	12
9.Outstanding Loan	66631	3121	8	6466	35130	744	69	3035
10.Interest paid	5385	289	57	154	2013	76	2	563
11.Rent received	146	5	0	65	39	0	0	30
12.Interest received	918	93	0	391	182	7	0	29
13.Gross Value of P & M	38321	3710	274	0	9045	425	3	12488
14.Value of Products & By-products'	195843	36272	4021	38020	32120	3542	2230	18432
15.Total Output	222939	37347	4030	43650	35026	4956	2318	19950
16.Fuel Consumed	9005	679	11	388	2189	107	36	2171
17.Materials Consumed for Manufacturing	116682	29182	3475	7646	17474	2288	1496	11675
18.Total Input	178304	32186	3631	36916	25658	2880	1769	15315
19. Gross Value Added (GVA)	44635	5161	399	6735	9368	2076	550	4635
20.Depreciation	6696	693	21	315	2140	80	33	659
21.Net Value Added (NVA)	37939	4468	378	6420	7227	1996	517	3977
22.Net Fixed Capital Formation(NFCF)	-233	402	-4	-312	-1500	44	84	-98
23.Gross Fixed Capital Formation (GFCF)	6463	1095	17	3	641	124	117	560
24.Addition in stock of:	1900	610	-34	1182	-38	-217	7	-465
(a) Materials, Fuels etc.	1282	462	-19	1188	138	-142	-1	-589
(b) Semi-Finished Goods	-1960	-6	-9	0	74	-42	-6	37
(c) Finished Goods	2578	154	-5	-6	-250	-33	15	87
25.Gross Capital Formation	8363	1705	-17	1186	602	-93	125	95
26.Net Income	33099	4269	318	6653	5376	1860	513	3461
27.Profit	2968	2295	118	953	-1457	35	138	695

Table 1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17

District: Kannur

(Values in ₹lakh unless otherwise mentioned)

Characteristics	17	18	20	21	22	23	24	25
1.Number of factories	4	11	5	8	34	53	2	10
2.Factories in operation	4	11	5	5	28	41	2	7
3. Fixed Capital	53	1175	1797	804	6132	2033	296	251
4.Physical Working Capital	92	32	906	512	3375	1171	660	345
5.Working Capital	74	-661	723	2183	3562	275	564	163
6.Invested Capital	146	1208	2703	1316	9507	3203	956	596
7.Gross Value of Additions to Fixed Capital	9	25	496	147	1900	118	4	96
8.Rent Paid	0	2	43	3	16	9	0	9
9.Outstanding Loan	10	278	173	192	4554	307	2348	567
10.Interest paid	1	11	41	78	486	268	173	59
11.Rent received	0	5	0	0	0	1	0	0
12.Interest received	1	1	5	28	10	67	7	3
13.Gross Value of P & M	0	1109	2197	532	76	1383	424	0
14.Value of Products & By-products'	125	133	11404	3131	17002	4115	1727	2404
15.Total Output	129	857	11901	3288	19150	4810	2726	2431
16.Fuel Consumed	4	84	248	42	1087	392	159	20
17.Materials Consumed for Manufacturing	96	95	7558	2228	12368	1773	1768	1820
18.Total Input	109	372	9716	2857	14758	3026	2811	1962
19. Gross Value Added (GVA)	20	485	2186	430	4392	1784	-86	469
20.Depreciation	6	69	282	127	918	356	46	30
21.Net Value Added (NVA)	15	416	1904	303	3474	1428	-132	439
22.Net Fixed Capital Formation(NFCF)	3	-44	213	7	962	-450	-42	66
23.Gross Fixed Capital Formation (GFCF)	9	25	495	134	1880	-94	4	96
24.Addition in stock of:	-32	-4	137	-32	219	-40	245	7
(a) Materials, Fuels etc.	3	-5	52	15	58	-85	-101	-87
(b) Semi-Finished Goods	-11	0	58	17	30	23	0	17
(c) Finished Goods	-23	1	27	-64	132	21	347	77
25.Gross Capital Formation	-23	21	632	102	2099	-134	250	103
26.Net Income	15	408	1824	251	2981	1220	-298	374
27.Profit	-8	44	1210	-820	1609	-44	-328	25

Table 1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17

District: Kannur

(Values in ₹lakh unless otherwise mentioned)

Characteristics	26	27	28	29	30	31	32
1.Number of factories	1	1	4	1	2	20	2
2.Factories in operation	1	1	4	1	2	17	2
3. Fixed Capital	792	228	15	13	167	2707	121
4.Physical Working Capital	1748	169	60	41	3085	2234	29
5.Working Capital	851	64	-26	35	-261	2675	201
6.Invested Capital	2541	398	76	54	3252	4940	149
7.Gross Value of Additions to Fixed Capital	314	4	6	0	39	433	1
8.Rent Paid	0	3	1	0	4	40	0
9.Outstanding Loan	2075	92	3	32	103	5007	16
10.Interest paid	389	42	3	0	2	361	4
11.Rent received	0	0	0	0	0	0	0
12.Interest received	21	18	1	0	22	5	16
13.Gross Value of P & M	2902	58	8	0	54	2589	168
14.Value of Products & By-products'	5184	695	258	39	-2204	15480	382
15.Total Output	5990	751	283	50	-2159	16108	382
16.Fuel Consumed	186	2	4	1	5	949	9
17.Materials Consumed for Manufacturing	2937	432	172	28	324	9561	257
18.Total Input	4012	552	187	35	469	12455	291
19. Gross Value Added (GVA)	1977	199	96	15	-2628	3653	92
20.Depreciation	71	25	2	1	9	248	13
21.Net Value Added (NVA)	1907	174	95	14	-2637	3405	78
22.Net Fixed Capital Formation(NFCF)	243	-21	5	-1	30	-417	-12
23.Gross Fixed Capital Formation (GFCF)	314	4	6	0	39	-169	1
24.Addition in stock of:	-115	-228	-26	21	550	12	13
(a) Materials, Fuels etc.	77	10	-14	21	-80	246	12
(b) Semi-Finished Goods	-41	-39	-18	0	-2240	197	0
(c) Finished Goods	-151	-199	6	0	2870	-430	1
25.Gross Capital Formation	199	-224	-20	21	589	-157	14
26.Net Income	1538	148	92	14	-2621	3010	90
27.Profit	-47	4	22	3	-2851	938	28

Table 1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17**District: Kannur (Values in ₹lakh unless otherwise mentioned)**

Characteristics	35	45
1.Number of factories	1	34
2.Factories in operation	1	28
3. Fixed Capital	228	4637
4.Physical Working Capital	23	1052
5.Working Capital	-85	-1210
6.Invested Capital	251	5689
7.Gross Value of Additions to Fixed Capital	49	1172
8.Rent Paid	1	168
9.Outstanding Loan	0	2302
10.Interest paid	0	314
11.Rent received	0	0
12.Interest received	1	10
13.Gross Value of P & M	0	879
14.Value of Products & By-products'	1048	283
15.Total Output	1229	7736
16.Fuel Consumed	21	214
17.Materials Consumed for Manufacturing	853	1173
18.Total Input	1058	5280
19. Gross Value Added (GVA)	171	2456
20.Depreciation	50	504
21.Net Value Added (NVA)	121	1952
22.Net Fixed Capital Formation(NFCF)	-2	611
23.Gross Fixed Capital Formation (GFCF)	48	1115
24.Addition in stock of:	14	113
(a) Materials, Fuels etc.	14	111
(b) Semi-Finished Goods	0	0
(c) Finished Goods	0	2
25.Gross Capital Formation	62	1228
26.Net Income	121	1480
27.Profit	87	316

Table 1.4:Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Value in ₹lakh unless otherwise mentioned)

District:Wayanad

Characteristics	All	10	15	16	17	18	20	21	23	45
1.Number of factories	63	30	1	6	1	2	4	1	11	7
2.Factories in operation	61	30	1	6	1	2	4	1	11	5
3. Fixed Capital	12560	8907	1014	176	40	120	643	19	1353	289
4.Physical Working Capital	3495	1784	653	247	0	23	431	32	136	188
5.Working Capital	4808	3882	74	59	0	-14	381	38	-50	438
6.Invested Capital	16055	10691	1667	423	40	143	1074	50	1489	477
7.Gross Value of Additions to Fixed Capital	1372	897	187	46	0	0	100	0	102	39
8.Rent Paid	190	104	19	1	0	3	1	0	11	51
9.Outstanding Loan	13971	11992	1078	151	0	100	251	0	267	133
10.Interest paid	492	134	200	37	0	17	32	0	71	1
11.Rent received	4	1	0	0	0	3	0	0	0	0
12.Interest received	33	22	2	0	0	2	3	0	4	0
13.Gross Value of P & M	6573	3546	717	0	0	36	956	0	1261	58
14.Value of Products & By-products'	57501	49432	3545	391	0	156	1123	51	2802	0
15.Total Output	68575	58477	3641	553	0	156	1193	271	2847	1437
16.Fuel Consumed	2782	2441	33	27	0	3	27	4	224	23
17.Materials Consumed for Manufacturing	43198	38400	2246	296	0	89	868	22	1252	25
18.Total Input	57250	49702	2828	422	0	129	984	233	1944	1008
19. Gross Value Added (GVA)	11325	8776	813	131	0	27	208	37	902	430
20.Depreciation	1384	777	199	27	4	21	105	3	190	58
21.Net Value Added (NVA)	9940	7999	614	104	-4	7	104	35	712	371
22.Net Fixed Capital Formation(NFCF)	-285	-14	-122	12	-4	-21	-24	-3	-89	-21
23.Gross Fixed Capital Formation (GFCF)	1100	763	77	40	0	0	81	0	102	37
24.Addition in stock of:	64	-24	-22	19	0	1	83	-9	7	9
(a) Materials, Fuels etc.	212	88	71	46	0	1	24	-13	-21	14
(b) Semi-Finished Goods	-20	-30	34	0	0	0	-24	0	0	0
(c) Finished Goods	-128	-83	-127	-27	0	0	83	4	27	-5
25.Gross Capital Formation	1163	738	55	59	0	1	164	-9	109	46
26.Net Income	9295	7784	396	66	-4	-9	73	34	634	320
27.Profit	3666	3480	52	-21	-4	-34	-55	6	312	-69

Table 1.4:Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Value in ₹lakh unless otherwise mentioned)

District: Kozhikode

Characteristics	All	10	11	12	13	14	15	16
1.Number of factories	525	42	3	17	31	2	115	67
2.Factories in operation	402	32	3	11	31	2	86	50
3. Fixed Capital	100018	11220	706	11	2143	128	14029	173
4.Physical Working Capital	56329	24456	200	19	593	306	9155	61
5.Working Capital	1377	-5850	581	-21	-4513	346	8379	172
6.Invested Capital	156347	35676	906	31	2736	434	23183	234
7.Gross Value of Additions to Fixed Capital	11769	1527	149	0	2	15	3128	0
8.Rent Paid	1600	46	19	3	0	30	311	9
9.Outstanding Loan	39800	5291	85	114	4713	118	3095	17
10.Interest paid	6270	553	43	0	444	26	1298	8
11.Rent received	206	13	0	0	7	0	9	0
12.Interest received	515	230	35	0	10	0	54	0
13.Gross Value of P & M	78104	6266	219	0	2720	100	9243	0
14.Value of Products & By-products'	358221	134887	691	45	988	1585	71714	2348
15.Total Output	461028	176078	1668	399	1105	1595	75040	2518
16.Fuel Consumed	10346	1584	40	5	159	18	849	53
17.Materials Consumed for Manufacturing	238295	125298	460	41	462	810	43979	1918
18.Total Input	333620	168188	990	201	790	1160	55365	2088
19.Gross Value Added (GVA)	127409	7890	677	199	315	435	19675	430
20.Depreciation	12117	1168	80	1	617	17	2344	23
21.Net Value Added (NVA)	115292	6722	597	198	-302	418	17331	407
22.Net Fixed Capital Formation(NFCF)	-3219	302	69	-1	-615	-5	345	-23
23.Gross Fixed Capital Formation (GFCF)	8898	1470	149	0	2	12	2689	0
24.Addition in stock of:	8948	7092	18	-1	115	-216	-833	-37
(a) Materials, Fuels etc.	8475	6912	14	-1	59	-111	-48	-11
(b) Semi-Finished Goods	149	-114	0	0	6	0	231	0
(c) Finished Goods	324	294	4	0	51	-105	-1015	-26
25.Gross Capital Formation	17845	8562	167	-1	118	-204	1856	-37
26.Net Income	108142	6366	569	196	-729	362	15784	390
27.Profit	70530	2795	52	8	-1480	53	7047	131

Table 1.4:Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Value in ₹lakh unless otherwise mentioned)

District: Kozhikode

Characteristics	17	18	20	21	22	23	24	25
1.Number of factories	13	15	7	9	24	53	10	2
2.Factories in operation	7	8	6	9	21	30	10	2
3. Fixed Capital	172	46	569	326	5005	12713	17463	1045
4.Physical Working Capital	84	25	728	236	1648	2055	4512	331
5.Working Capital	109	142	1238	302	2146	935	-1953	-173
6.Invested Capital	256	72	1297	562	6652	14768	21974	1376
7.Gross Value of Additions to Fixed Capital	0	6	4	88	115	46	4181	173
8.Rent Paid	2	2	30	1	61	165	27	5
9.Outstanding Loan	15	15	42	550	3417	3080	5045	539
10.Interest paid	14	4	12	21	274	252	1301	65
11.Rent received	1	0	0	0	155	1	7	0
12.Interest received	0	0	1	0	26	7	111	1
13.Gross Value of P & M	0	69	664	195	248	255	14991	839
14.Value of Products & By-products'	783	566	3706	1151	10557	56718	33766	7554
15.Total Output	818	570	3813	1181	11145	57697	36843	7579
16.Fuel Consumed	29	12	57	48	280	729	4446	262
17.Materials Consumed for Manufacturing	565	228	2926	576	5910	4145	20332	6599
18.Total Input	630	388	3290	865	7948	6897	30569	6979
19.Gross Value Added (GVA)	188	183	523	316	3197	50800	6274	600
20.Depreciation	27	11	88	29	221	446	1263	46
21.Net Value Added (NVA)	161	172	436	287	2976	50354	5011	553
22.Net Fixed Capital Formation(NFCF)	-27	-5	-84	59	-108	-409	892	114
23.Gross Fixed Capital Formation (GFCF)	0	6	4	88	113	37	2154	160
24.Addition in stock of:	-65	-2	201	-108	480	46	-1729	134
(a) Materials, Fuels etc.	-71	-3	186	-29	60	-136	-1941	-73
(b) Semi-Finished Goods	0	0	-7	-22	0	77	0	0
(c) Finished Goods	5	2	22	-58	420	105	212	207
25.Gross Capital Formation	-65	4	204	-21	594	83	425	294
26.Net Income	145	167	394	266	2822	49945	3801	484
27.Profit	58	2	-63	55	1915	46690	1082	282

Table 1.4:Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Value in ₹lakh unless otherwise mentioned)

District: Kozhikode

Characteristics	27	28	30	31	32	33	38	45
1.Number of factories	5	5	1	10	2	1	1	71
2.Factories in operation	5	5	1	8	1	1	1	55
3. Fixed Capital	239	157	527	619	26	0	11	12541
4.Physical Working Capital	524	88	44	346	36	0	17	4538
5.Working Capital	570	435	-595	-96	365	1	-19	1502
6.Invested Capital	762	245	571	965	62	0	28	17079
7.Gross Value of Additions to Fixed Capital	51	86	0	43	2	0	0	412
8.Rent Paid	0	0	0	0	8	0	0	567
9.Outstanding Loan	273	84	929	531	0	0	0	7508
10.Interest paid	45	3	51	53	0	0	8	74
11.Rent received	0	0	0	0	0	0	0	0
12.Interest received	1	1	0	0	0	0	0	5
13.Gross Value of P & M	189	0	0	114	169	0	0	785
14.Value of Products & By-products'	1541	724	184	206	212	0	0	171
15.Total Output	1915	736	398	232	875	15	221	15565
16.Fuel Consumed	30	16	26	11	7	0	1	463
17.Materials Consumed for Manufacturing	1234	392	16	181	44	1	4	445
18.Total Input	1435	534	319	211	262	2	203	10245
19.Gross Value Added (GVA)	480	202	78	21	612	12	18	5320
20.Depreciation	35	19	81	68	6	0	0	1093
21.Net Value Added (NVA)	445	183	-3	-47	606	12	18	4227
22.Net Fixed Capital Formation(NFCF)	17	63	-81	-25	-4	0	0	-923
23.Gross Fixed Capital Formation (GFCF)	51	82	0	43	2	0	0	170
24.Addition in stock of:	16	-37	9	85	-4	0	0	2635
(a) Materials, Fuels etc.	49	10	6	-130	-4	0	0	2635
(b) Semi-Finished Goods	-20	-46	0	0	0	0	0	0
(c) Finished Goods	-12	-1	3	215	0	0	0	0
25.Gross Capital Formation	67	45	9	129	-2	0	0	2805
26.Net Income	400	181	-53	-101	598	12	10	3591
27.Profit	148	31	-122	-164	524	1	-39	703

Table 1.4:Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17

District: Kozhikode (Value in ₹lakh unless otherwise mentioned)

Characteristics	58	82
1.Number of factories	17	2
2.Factories in operation	17	2
3. Fixed Capital	20148	1
4.Physical Working Capital	6321	8
5.Working Capital	-2608	-17
6.Invested Capital	26470	9
7.Gross Value of Additions to Fixed Capital	1741	0
8.Rent Paid	313	0
9.Outstanding Loan	4338	0
10.Interest paid	1720	0
11.Rent received	13	0
12.Interest received	33	0
13.Gross Value of P & M	41038	0
14.Value of Products & By-products'	28099	24
15.Total Output	63001	24
16.Fuel Consumed	1220	2
17.Materials Consumed for Manufacturing	21719	12
18.Total Input	34046	15
19.Gross Value Added (GVA)	28955	9
20.Depreciation	4433	0
21.Net Value Added (NVA)	24521	9
22.Net Fixed Capital Formation(NFCF)	-2769	0
23.Gross Fixed Capital Formation (GFCF)	1665	0
24.Addition in stock of:	1151	-2
(a) Materials, Fuels etc.	1104	1
(b) Semi-Finished Goods	45	0
(c) Finished Goods	3	-3
25.Gross Capital Formation	2816	-2
26.Net Income	22534	9
27.Profit	10825	-4

Table 1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
Value in ₹lakh unless otherwise mentioned

District: Malappuram

Characteristics	All	10	11	12	13	15	16	17
1.Number of factories	274	41	2	27	6	29	25	6
2.Factories in operation	258	41	2	18	6	29	22	6
3. Fixed Capital	43630	8531	171	7	3900	3267	221	109
4.Physical Working Capital	44656	12240	19	78	615	4434	72	121
5.Working Capital	18309	2399	1	446	-7346	2561	41	172
6.Invested Capital	88286	20771	190	85	4515	7701	293	230
7.Gross Value of Additions to Fixed Capital	8675	1987	11	0	902	1115	0	16
8.Rent Paid	595	5	0	0	0	110	0	3
9.Outstanding Loan	17402	5404	5	13	8216	1071	117	136
10.Interest paid	2593	544	0	0	866	369	0	12
11.Rent received	18	13	0	4	0	0	0	0
12.Interest received	245	153	0	0	3	10	0	0
13.Gross Value of P & M	39119	5521	0	0	5404	4306	0	0
14.Value of Products & By-products'	233085	59233	39	469	4972	22272	500	438
15.Total Output	318484	109195	40	469	5033	22627	637	444
16.Fuel Consumed	7568	1479	4	17	603	491	49	12
17.Materials Consumed for Manufacturing	191162	54139	32	407	3446	16629	399	325
18.Total Input	276492	102761	37	436	4320	19218	499	355
19.Gross Value Added (GVA)	41992	6433	2	33	713	3408	139	89
20.Depreciation	6187	1104	22	1	316	763	20	16
21.Net Value Added (NVA)	35805	5329	-20	33	397	2646	118	73
22.Net Fixed Capital Formation(NFCF)	1310	646	-11	-1	422	298	-20	0
23.Gross Fixed Capital Formation (GFCF)	7497	1750	11	0	738	1060	0	16
24.Addition in stock of:	7023	2484	1	-14	-60	382	-11	-39
(a) Materials, Fuels etc.	7197	4065	-10	0	-13	15	-3	-5
(b) Semi-Finished Goods	792	58	0	0	79	398	0	0
(c) Finished Goods	-966	-1638	11	-14	-126	-30	-8	-34
25.Gross Capital Formation	14520	4235	12	-14	678	1442	-10	-24
26.Net Income	32880	4946	-20	37	-466	2177	118	59
27.Profit	13095	2345	-26	6	-1923	54	14	5

Table 1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
Value in ₹lakh unless otherwise mentioned

District: Malappuram

Characteristics	18	19	20	21	22	23	25	26	27
1.Number of factories	2	1	1	14	24	24	3	1	2
2.Factories in operation	2	1	1	14	24	19	3	1	2
3. Fixed Capital	1298	1486	164	3579	2446	7044	941	196	696
4.Physical Working Capital	173	1266	0	8014	1556	1544	381	333	449
5.Working Capital	191	1266	-44	12515	544	915	-553	473	138
6.Invested Capital	1472	2753	165	11593	4001	8588	1322	529	1145
7.Gross Value of Additions to Fixed Capital	10	566	30	580	342	240	934	124	703
8.Rent Paid	31	0	0	11	78	110	2	1	1
9.Outstanding Loan	0	0	103	138	1145	29	216	329	204
10.Interest paid	6	0	13	29	153	30	10	107	10
11.Rent received	0	0	0	0	1	0	0	0	0
12.Interest received	3	0	1	2	7	52	1	5	0
13.Gross Value of P & M	2384	2354	0	420	2865	10616	453	365	66
14.Value of Products & By-products'	1785	60118	141	27198	7176	10934	460	1120	1170
15.Total Output	2531	60118	142	29880	11638	10939	522	1286	1927
16.Fuel Consumed	67	145	66	1099	1300	1274	16	7	25
17.Materials Consumed for Manufacturing	567	58231	33	13157	5823	3961	369	429	1075
18.Total Input	1217	58907	106	17859	9296	5948	480	575	1588
19.Gross Value Added (GVA)	1313	1210	36	12021	2342	4991	42	711	339
20.Depreciation	243	243	27	372	275	1519	10	20	131
21.Net Value Added (NVA)	1071	967	9	11650	2066	3472	32	691	208
22.Net Fixed Capital Formation(NFCF)	-233	322	3	203	63	-1278	924	104	-107
23.Gross Fixed Capital Formation (GFCF)	10	566	30	575	339	240	934	124	24
24.Addition in stock of:	-56	477	0	-124	-193	79	294	168	264
(a) Materials, Fuels etc.	-56	374	0	-3	-72	-116	215	1	115
(b) Semi-Finished Goods	0	0	0	97	13	-55	44	40	31
(c) Finished Goods	0	103	0	-218	-133	249	34	127	118
25.Gross Capital Formation	-46	1042	30	450	146	319	1228	292	288
26.Net Income	1037	967	-2	11611	1842	3384	20	588	197
27.Profit	621	-17	-13	8526	452	382	-18	184	26

Table 1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
Value in ₹lakh unless otherwise mentioned

District: Malappuram

Characteristics	30	31	32	35	45	58
1.Number of factories	1	16	1	1	46	1
2.Factories in operation	1	16	1	1	46	1
3. Fixed Capital	667	169	21	665	7642	410
4.Physical Working Capital	7	6250	334	11	6685	73
5.Working Capital	57	870	257	11	3232	163
6.Invested Capital	673	6419	355	676	14327	483
7.Gross Value of Additions to Fixed Capital	0	15	0	0	1098	3
8.Rent Paid	0	5	1	0	234	2
9.Outstanding Loan	0	84	185	0	7	0
10.Interest paid	0	30	0	0	414	0
11.Rent received	0	0	0	0	0	0
12.Interest received	0	0	0	0	9	0
13.Gross Value of P & M	300	0	0	883	3183	0
14.Value of Products & By-products'	0	10530	572	0	22873	1085
15.Total Output	123	10626	577	61	48071	1599
16.Fuel Consumed	14	104	3	6	762	24
17.Materials Consumed for Manufacturing	10	8957	536	0	21702	935
18.Total Input	47	9268	539	34	41825	1176
19.Gross Value Added (GVA)	76	1358	38	27	6247	423
20.Depreciation	23	24	0	72	920	67
21.Net Value Added (NVA)	53	1334	37	-45	5327	356
22.Net Fixed Capital Formation(NFCF)	-23	-9	0	-72	143	-64
23.Gross Fixed Capital Formation (GFCF)	0	15	0	0	1063	3
24.Addition in stock of:	-3	844	283	-1	2254	-6
(a) Materials, Fuels etc.	-3	445	0	-1	2254	-6
(b) Semi-Finished Goods	0	88	0	0	0	0
(c) Finished Goods	0	311	283	0	0	0
25.Gross Capital Formation	-3	859	284	-1	3318	-3
26.Net Income	53	1298	36	-45	4687	354
27.Profit	15	973	24	-93	1599	-41

Table 1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Palakkad

Characteristics	All	10	11	13	14	16
1.Number of factories	494	70	14	10	11	56
2.Factories in operation	476	63	14	10	11	53
3. Fixed Capital	182899	16526	15999	13976	1192	536
4.Physical Working Capital	124237	26800	5104	7826	224	149
5.Working Capital	157150	21548	19710	-2010	144	749
6.Invested Capital	307136	43326	21102	21802	1417	686
7.Gross Value of Additions to Fixed Capital	31080	2007	5274	2530	725	0
8.Rent Paid	1196	191	19	56	5	26
9.Outstanding Loan	569201	9273	2141	6232	928	225
10.Interest paid	13128	768	208	2171	114	24
11.Rent received	47	4	0	5	0	0
12.Interest received	2014	70	230	79	0	0
13.Gross Value of P & M	167291	10708	18946	32346	413	0
14.Value of Products & By-products'	663159	129420	39554	40059	282	5016
15.Total Output	766992	165850	40779	51408	1414	5191
16.Fuel Consumed	48210	2847	1187	3624	16	110
17.Materials Consumed for Manufacturing	486325	104957	25564	29818	222	3933
18.Total Input	640698	142350	32764	42166	1065	4483
19.Gross Value Added (GVA)	126294	23500	8016	9243	348	708
20.Depreciation	17086	1671	1868	1669	13	46
21.Net Value Added (NVA)	109208	21829	6148	7574	335	662
22.Net Fixed Capital Formation(NFCF)	10837	433	1292	12	679	-66
23.Gross Fixed Capital Formation (GFCF)	27923	2104	3159	1681	693	-20
24.Addition in stock of:	9172	9625	-1368	-1406	-55	-137
(a) Materials, Fuels etc.	8907	8747	-877	-163	-55	-114
(b) Semi-Finished Goods	959	119	-23	-103	0	0
(c) Finished Goods	-694	760	-468	-1140	0	-23
25.Gross Capital Formation	37095	11729	1791	275	638	-158
26.Net Income	96946	20943	6152	5431	216	613
27.Profit	45023	13362	1776	30	-23	152

Table 1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Palakkad

Characteristics	17	18	19	20	21	22
1.Number of factories	8	4	5	26	18	60
2.Factories in operation	6	4	5	26	18	60
3. Fixed Capital	1772	281	4067	4652	3322	22429
4.Physical Working Capital	222	253	518	611	3092	14192
5.Working Capital	-625	1177	227	-463	1446	7518
6.Invested Capital	1994	534	4586	5263	6415	36621
7.Gross Value of Additions to Fixed Capital	148	42	477	1767	775	5413
8.Rent Paid	0	5	0	21	3	60
9.Outstanding Loan	55	72	864	855	1457	12172
10.Interest paid	46	1	47	100	288	1356
11.Rent received	0	1	0	0	0	0
12.Interest received	10	64	6	31	4	416
13.Gross Value of P & M	1006	30	2315	2287	771	16984
14.Value of Products & By-products'	3552	1159	29499	24972	7985	86487
15.Total Output	3563	1480	29941	25045	9601	88551
16.Fuel Consumed	657	18	208	301	190	3731
17.Materials Consumed for Manufacturing	2259	607	18458	21614	3900	66506
18.Total Input	3084	1040	18934	22713	6043	77051
19.Gross Value Added (GVA)	479	440	11007	2332	3558	11499
20.Depreciation	95	36	106	241	400	1578
21.Net Value Added (NVA)	384	404	10901	2091	3157	9921
22.Net Fixed Capital Formation(NFCF)	53	6	330	1514	311	3804
23.Gross Fixed Capital Formation (GFCF)	148	42	436	1756	712	5382
24.Addition in stock of:	-32	36	253	8	626	3314
(a) Materials, Fuels etc.	-29	11	-65	94	349	3036
(b) Semi-Finished Goods	22	41	3	-36	-125	252
(c) Finished Goods	-25	-16	316	-50	402	26
25.Gross Capital Formation	115	78	689	1763	1337	8695
26.Net Income	348	463	10860	2001	2871	8921
27.Profit	-74	121	10377	1403	1070	3494

Table 1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Palakkad

Characteristics	23	24	25	26	27	28
1.Number of factories	51	52	36	7	9	6
2.Factories in operation	51	48	36	7	9	5
3. Fixed Capital	42967	29556	3864	12887	365	876
4.Physical Working Capital	18567	35499	1628	6341	649	1322
5.Working Capital	30327	3301	421	65992	-1883	6152
6.Invested Capital	61534	65055	5492	19228	1015	2199
7.Gross Value of Additions to Fixed Capital	6082	3522	430	908	61	5
8.Rent Paid	355	91	71	38	1	5
9.Outstanding Loan	19330	45449	6004	462663	326	133
10.Interest paid	1359	4028	966	1348	89	32
11.Rent received	32	2	0	4	0	0
12.Interest received	705	286	5	15	0	13
13.Gross Value of P & M	29757	29970	1509	18275	257	565
14.Value of Products & By-products'	90321	164803	13860	19549	1591	824
15.Total Output	91184	172388	15030	45517	2099	904
16.Fuel Consumed	11593	22557	413	315	79	34
17.Materials Consumed for Manufacturing	44874	138634	11358	9982	1414	622
18.Total Input	62999	173207	13104	25505	1822	862
19.Gross Value Added (GVA)	28184	-819	1926	20011	277	42
20.Depreciation	3616	4064	272	620	53	101
21.Net Value Added (NVA)	24568	-4882	1654	19391	224	-59
22.Net Fixed Capital Formation(NFCF)	1970	-61	118	287	7	-129
23.Gross Fixed Capital Formation (GFCF)	5586	4003	390	908	61	-28
24.Addition in stock of:	2724	-4228	162	-436	-3	-68
(a) Materials, Fuels etc.	819	-2995	221	19	-94	-41
(b) Semi-Finished Goods	1901	-795	8	-253	-24	-4
(c) Finished Goods	4	-438	-67	-202	115	-23
25.Gross Capital Formation	8310	-225	552	472	58	-96
26.Net Income	23591	-8714	622	18023	134	-83
27.Profit	13209	-12695	-669	12859	-76	-630

Table 1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Palakkad

Characteristics	31	32	38	45	82
1.Number of factories	10	8	1	30	2
2.Factories in operation	10	8	1	29	2
3. Fixed Capital	55	1058	978	5539	1
4.Physical Working Capital	120	679	0	439	0
5.Working Capital	217	784	2010	407	0
6.Invested Capital	175	1736	978	5978	1
7.Gross Value of Additions to Fixed Capital	1	589	89	236	0
8.Rent Paid	2	10	0	235	0
9.Outstanding Loan	25	926	0	71	0
10.Interest paid	6	72	0	106	0
11.Rent received	0	0	0	0	0
12.Interest received	1	16	62	0	0
13.Gross Value of P & M	0	352	0	800	0
14.Value of Products & By-products'	582	3643	0	0	0
15.Total Output	594	3973	2359	10119	2
16.Fuel Consumed	8	38	100	185	0
17.Materials Consumed for Manufacturing	396	1080	0	125	0
18.Total Input	431	2480	1810	6782	1
19.Gross Value Added (GVA)	163	1494	549	3337	1
20.Depreciation	4	104	111	417	0
21.Net Value Added (NVA)	159	1389	438	2920	1
22.Net Fixed Capital Formation(NFCF)	-3	483	-22	-181	0
23.Gross Fixed Capital Formation (GFCF)	1	587	89	236	0
24.Addition in stock of:	-24	235	0	-52	-2
(a) Materials, Fuels etc.	-8	105	0	-52	-2
(b) Semi-Finished Goods	0	-23	0	0	0
(c) Finished Goods	-16	153	0	0	0
25.Gross Capital Formation	-23	822	89	185	-2
26.Net Income	151	1323	500	2579	1
27.Profit	6	576	480	274	0

Table 1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Value in ₹ lakhs unless otherwise mentioned)

District: Thrissur

Characteristics	All	10	11	12	13	14	15	16	17	18
1.Number of factories	870	82	17	17	17	3	4	29	18	20
2.Factories in operation	711	69	17	1	17	3	3	20	15	20
3. Fixed Capital	150792	16247	5822	0	8074	59	328	1115	355	5605
4.Physical Working Capital	86647	15388	2270	0	1698	224	381	1531	515	519
5.Working Capital	48823	-1529	4908	-24	-5671	64	61	-820	-71	1609
6.Invested Capital	237439	31635	8091	0	9772	284	709	2646	870	6124
7.Gross Value of Additions to Fixed Capital	17161	2904	975	0	1518	19	12	85	58	742
8.Rent Paid	1219	219	13	0	5	5	4	39	7	0
9.Outstanding Loan	93729	15679	1663	0	31908	36	2	650	426	2448
10.Interest paid	10405	1860	531	0	1243	5	40	116	37	183
11.Rent received	136	44	3	0	10	0	0	0	0	0
12.Interest received	1322	141	44	0	38	0	4	1	0	60
13.Gross Value of P & M	95109	11257	5956	0	8135	0	0	248	0	5243
14.Value of Products & By-products'	621181	178946	33929	0	11408	734	1850	2873	2400	5828
15.Total Output	716939	188018	35015	8	11566	751	1853	3590	2437	7298
16.Fuel Consumed	19769	2458	329	0	1999	4	33	67	64	242
17.Materials Consumed for Manufacturing	458805	152107	26986	0	7785	478	1137	2369	1722	3960
18.Total Input	556730	168147	31076	0	10255	515	1346	2734	1882	5471
19.Gross Value Added (GVA)	160209	19872	3939	7	1311	236	507	856	555	1826
20.Depreciation	14081	2099	636	0	369	10	60	437	39	517
21.Net Value Added (NVA)	146128	17773	3303	7	942	226	447	419	516	1309
22.Net Fixed Capital Formation(NFCF)	2319	519	-161	0	2016	9	-66	-362	20	225
23.Gross Fixed Capital Formation (GFCF)	16400	2618	474	0	2385	19	-5	75	58	742
24.Addition in stock of:	11611	651	754	0	-873	55	-32	102	214	-24
(a) Materials, Fuels etc.	8805	546	512	0	-231	55	-9	77	253	55
(b) Semi-Finished Goods	-628	-348	-74	0	39	0	18	-20	0	-24
(c) Finished Goods	3434	453	316	0	-681	-1	-41	44	-38	-54
25.Gross Capital Formation	28011	3269	1229	0	1512	74	-37	177	273	718
26.Net Income	135962	15879	2806	7	-257	216	408	266	472	1187
27.Profit	74604	6267	516	2	-3927	22	99	-253	99	-68

Table 1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Value in ₹ lakhs unless otherwise mentioned)

District: Thrissur

Characteristics	20	21	22	23	24	25	26	27	28	29
1.Number of factories	11	39	121	294	17	33	8	9	24	2
2.Factories in operation	11	32	111	221	15	31	8	8	23	1
3. Fixed Capital	1141	12653	30141	9261	2351	3807	4438	232	1619	717
4.Physical Working Capital	506	4763	25917	5966	2029	2460	4040	183	1152	200
5.Working Capital	2544	11874	13137	5203	266	1416	5798	300	-8	213
6.Invested Capital	1647	17416	56058	15227	4380	6267	8478	415	2771	917
7.Gross Value of Additions to Fixed Capital	61	2665	3280	1726	323	431	242	12	194	28
8.Rent Paid	3	131	75	19	4	28	7	9	27	8
9.Outstanding Loan	798	5955	7298	3647	2197	1011	240	226	639	494
10.Interest paid	24	1030	1914	686	436	242	40	23	84	12
11.Rent received	0	8	7	0	0	0	21	14	0	0
12.Interest received	1	304	459	20	69	29	103	0	5	0
13.Gross Value of P & M	408	5221	36694	5900	152	2178	4809	263	260	364
14.Value of Products & By-products'	8808	33009	246690	28667	8920	9476	14837	1603	6300	1389
15.Total Output	9195	37025	264966	32252	9112	12711	15606	1874	8167	1470
16.Fuel Consumed	173	1334	6363	3113	831	792	151	34	150	28
17.Materials Consumed for Manufacturing	3889	16980	155815	15307	8311	6511	8624	1195	4671	948
18.Total Input	4656	26243	181378	26457	9448	8679	10722	1532	6476	1102
19.Gross Value Added (GVA)	4539	10783	83588	5795	-336	4032	4884	341	1691	369
20.Depreciation	77	1426	2943	1188	215	295	513	13	122	48
21.Net Value Added (NVA)	4463	9357	80645	4607	-551	3737	4371	328	1569	321
22.Net Fixed Capital Formation(NFCF)	-24	1185	131	424	110	108	-271	-1	72	-37
23.Gross Fixed Capital Formation (GFCF)	53	2611	3073	1611	325	403	242	12	194	11
24.Addition in stock of:	49	-140	9586	16	-185	-78	249	0	-159	-3
(a) Materials, Fuels etc.	-20	90	6461	176	-247	-57	813	-4	-17	-16
(b) Semi-Finished Goods	-3	73	253	82	-8	32	-479	9	-130	0
(c) Finished Goods	73	-303	2872	-242	70	-53	-86	-5	-12	13
25.Gross Capital Formation	102	2472	12659	1627	140	325	490	12	35	8
26.Net Income	4437	8509	79122	3923	-922	3496	4447	310	1463	301
27.Profit	3903	2111	60907	-67	-1140	892	2225	84	424	30

Table 1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Value in ₹ lakhs unless otherwise mentioned)

District: Thrissur

Characteristics	31	32	33	35	45	96
1.Number of factories	15	15	1	1	72	1
2.Factories in operation	15	12	1	1	54	1
3. Fixed Capital	538	2490	22	754	43003	18
4.Physical Working Capital	620	7266	9	0	9011	0
5.Working Capital	604	5410	4	0	3527	7
6.Invested Capital	1159	9756	31	754	52014	18
7.Gross Value of Additions to Fixed Capital	26	276	0	3	1578	1
8.Rent Paid	27	3	0	0	587	0
9.Outstanding Loan	402	5542	1	0	12464	2
10.Interest paid	23	536	1	0	1339	0
11.Rent received	0	27	0	0	3	0
12.Interest received	0	25	0	0	17	0
13.Gross Value of P & M	0	1079	0	653	6269	19
14.Value of Products & By-products'	1100	21291	0	18	1103	0
15.Total Output	1234	22710	34	18	49982	45
16.Fuel Consumed	69	297	1	13	1218	6
17.Materials Consumed for Manufacturing	768	18285	19	1	20930	9
18.Total Input	879	19691	24	29	37966	21
19.Gross Value Added (GVA)	355	3019	10	-11	12016	24
20.Depreciation	94	265	3	107	2603	4
21.Net Value Added (NVA)	261	2754	7	-118	9412	20
22.Net Fixed Capital Formation(NFCF)	-99	-63	-3	-104	-1307	-3
23.Gross Fixed Capital Formation (GFCF)	-5	202	0	3	1297	1
24.Addition in stock of:	-208	1437	-8	0	207	0
(a) Materials, Fuels etc.	-47	215	-8	0	207	0
(b) Semi-Finished Goods	-8	-39	0	0	0	0
(c) Finished Goods	-154	1261	0	0	0	0
25.Gross Capital Formation	-213	1639	-8	3	1504	1
26.Net Income	211	2267	6	-118	7506	20
27.Profit	86	1376	0	-147	1165	-1

Table 1.4: Distribution of selected characteristics of factory sector 2-digit NIC 2008 for the year 2016-17
(Values in ₹lakhs unless otherwise mentioned)

District: Ernakulam

Characteristics	All	10	11	13	14	15	16	17	18	19
1.Number of factories	1448	256	16	19	6	6	343	42	32	9
2.Factories in operation	1138	196	16	18	4	6	278	40	28	9
3. Fixed Capital	3528155	122837	3216	13787	18013	974	52493	3650	27685	2777542
4.Physical Working Capital	950486	161982	915	13648	8862	1882	21977	2127	6407	365427
5.Working Capital	751712	178596	-667	1578	29566	2155	7663	-84	11035	90902
6.Invested Capital	4478641	284819	4131	27435	26875	2856	74470	5778	34093	3142969
7.Gross Value of Additions to Fixed Capital	1109647	20265	77	1864	1423	82	32346	358	3093	992210
8.Rent Paid	11448	2155	13	363	123	35	59	86	157	1121
9.Outstanding Loan	520520	62338	2961	3406	548	483	23278	2238	3111	118393
10.Interest paid	98276	11718	127	1652	1171	165	5515	619	1026	13686
11.Rent received	1716	176	0	0	18	0	7	4	2	0
12.Interest received	21461	1416	10	134	52	8	179	81	255	826
13.Gross Value of P & M	1640961	59977	1462	22631	21030	1107	1301	1760	35149	1045945
14.Value of Products & By-products'	7070970	635999	2936	49611	64671	8259	66264	19372	40420	4098773
15.Total Output	8295362	797735	3277	54781	71107	8565	70163	22738	44640	4132263
16.Fuel Consumed	254306	13388	93	2925	2268	193	4907	1287	691	157480
17.Materials Consumed for Manufacturing	5555279	497258	1911	31354	28431	5479	41218	14315	17604	3217871
18.Total Input	7124523	698163	2838	42995	41850	6833	51710	20077	21947	3812443
19.Gross Value Added (GVA)	1170839	99572	440	11787	29257	1732	18452	2662	22694	319820
20.Depreciation	121001	13262	282	1388	2313	160	5299	584	4032	52506
21.Net Value Added (NVA)	1049838	86309	158	10398	26944	1572	13153	2078	18661	267314
22.Net Fixed Capital Formation(NFCF)	877127	4814	-205	386	-1280	-79	25718	-4631	-963	850056
23.Gross Fixed Capital Formation (GFCF)	998129	18076	77	1774	1033	81	31017	-4047	3069	902562
24.Addition in stock of:	196806	37008	69	-258	1456	-402	2855	-864	2245	84065
(a) Materials, Fuels etc.	49125	21566	93	317	1002	-62	2222	-1051	2040	8763
(b) Semi-Finished Goods	25806	5482	0	127	1117	-81	-109	-21	-18	19879
(c) Finished Goods	121875	9961	-24	-702	-664	-260	742	208	222	55423
25.Gross Capital Formation	1194934	55084	146	1516	2489	-321	33872	-4911	5313	986628
26.Net Income	963291	74028	28	8518	25720	1379	7765	1457	17735	253334
27.Profit	658648	38787	-399	599	15152	251	3594	-1171	10649	199535

Table 1.4: Distribution of selected characteristics of factory sector 2-digit NIC 2008 for the year 2016-17
(Values in ₹lakhs unless otherwise mentioned)

District: Ernakulam

Characteristics	20	21	22	23	24	25	26	27	28	29
1.Number of factories	57	28	145	55	29	73	19	32	14	2
2.Factories in operation	44	25	101	36	21	55	19	32	14	2
3. Fixed Capital	75424	18383	96590	64569	6791	13223	49504	13426	4650	46
4.Physical Working Capital	163841	13981	17604	12779	15220	7339	37892	15039	7783	37
5.Working Capital	149423	-21615	12952	17980	9440	7006	27393	11711	11540	71
6.Invested Capital	239265	32363	114194	77347	22011	20562	87396	28465	12433	83
7.Gross Value of Additions to Fixed Capital	8527	2310	6447	4422	2013	2303	9852	1976	297	0
8.Rent Paid	650	496	176	395	365	146	859	673	29	0
9.Outstanding Loan	194737	12084	26504	9341	4916	5524	3538	10654	1508	13
10.Interest paid	39060	1130	2903	913	4857	1303	1991	2400	648	1
11.Rent received	848	0	27	0	1	0	481	5	9	0
12.Interest received	2782	55	504	72	44	35	337	161	89	0
13.Gross Value of P & M	176456	15678	20095	19043	2164	13480	51848	21411	7027	0
14.Value of Products & By-products'	480159	56265	132989	77200	963871	44360	180244	69942	25487	0
15.Total Output	678604	71200	154595	111413	977157	51501	191951	83017	27084	179
16.Fuel Consumed	35623	3354	5768	8541	2141	2123	3026	1323	435	6
17.Materials Consumed for Manufacturing	317917	25586	99920	29417	871332	29056	124745	42574	15711	2
18.Total Input	399875	48836	126135	77580	888464	37063	143142	57020	18034	113
19.Gross Value Added (GVA)	278728	22364	28460	33833	88693	14438	48809	25997	9050	66
20.Depreciation	7850	1787	3654	5969	565	1157	5234	2528	539	6
21.Net Value Added (NVA)	270879	20577	24806	27865	88128	13281	43575	23469	8511	60
22.Net Fixed Capital Formation(NFCF)	-3685	311	2047	-5950	1448	125	3269	-681	-244	-6
23.Gross Fixed Capital Formation (GFCF)	4165	2098	5701	19	2013	1282	8503	1847	295	0
24.Addition in stock of:	61117	-591	2744	-5	5311	-315	3812	746	1318	8
(a) Materials, Fuels etc.	8451	894	2648	-405	651	-466	5994	-38	237	8
(b) Semi-Finished Goods	-338	-971	343	-128	534	442	-3121	800	5	0
(c) Finished Goods	53004	-514	-247	528	4127	-291	939	-16	1076	0
25.Gross Capital Formation	65282	1508	8445	15	7324	967	12314	2593	1613	8
26.Net Income	234799	19005	22259	26628	82950	11867	41544	20563	7931	58
27.Profit	189215	10120	8834	20225	80528	5154	13055	5535	1363	16

Table 1.4: Distribution of selected characteristics of factory sector 2-digit NIC 2008 for the year 2016-17
(Values in ₹lakhs unless otherwise mentioned)

District: Ernakulam

Characteristics	30	31	32	33	35	38	45	52	95	96
1.Number of factories	9	22	24	42	2	1	154	5	2	4
2.Factories in operation	9	15	23	23	2	1	111	5	2	4
3. Fixed Capital	46097	3072	8254	1956	30525	261	69345	3479	29	2334
4.Physical Working Capital	18834	1893	3495	2592	4030	267	42803	1797	5	28
5.Working Capital	167364	1911	3293	5283	8824	772	19092	-695	-465	-312
6.Invested Capital	64931	4965	11749	4548	34555	529	112148	5276	34	2362
7.Gross Value of Additions to Fixed Capital	7092	933	1993	105	27	3	9470	118	2	37
8.Rent Paid	647	196	139	68	0	12	2467	0	8	9
9.Outstanding Loan	0	1846	3904	1389	0	0	27262	544	0	0
10.Interest paid	1274	301	313	360	41	0	4822	202	4	73
11.Rent received	131	0	0	6	0	0	0	1	0	0
12.Interest received	13087	4	32	135	654	39	404	65	0	2
13.Gross Value of P & M	30967	81	1391	0	84400	105	4708	1745	1	0
14.Value of Products & By-products'	6332	12190	12640	9371	1011	0	6255	6350	0	0
15.Total Output	213324	13089	14186	13988	1268	853	475506	9917	361	900
16.Fuel Consumed	2754	300	246	263	1839	33	2862	312	2	125
17.Materials Consumed for Manufacturing	104139	7553	4655	4919	1979	1	14547	5455	39	292
18.Total Input	145292	9811	7501	11291	5181	605	439968	8889	253	616
19.Gross Value Added (GVA)	68033	3278	6685	2697	-3912	248	35538	1028	108	284
20.Depreciation	3641	537	451	150	2366	58	4066	253	2	364
21.Net Value Added (NVA)	64392	2741	6235	2547	-6278	190	31472	775	106	-80
22.Net Fixed Capital Formation(NFCF)	3032	374	1522	-45	-2351	-55	4679	-153	0	-327
23.Gross Fixed Capital Formation (GFCF)	6673	911	1973	105	15	3	8745	101	2	37
24.Addition in stock of:	-4936	504	246	418	-1825	-71	1081	1071	-2	0
(a) Materials, Fuels etc.	-6533	46	170	225	-1825	-71	3178	1071	-2	0
(b) Semi-Finished Goods	1597	333	76	-154	0	0	12	0	0	0
(c) Finished Goods	0	125	-1	347	0	0	-2108	0	0	0
25.Gross Capital Formation	1737	1414	2218	524	-1810	-68	9826	1171	0	37
26.Net Income	75687	2249	5814	2260	-5666	217	24587	639	93	-159
27.Profit	50714	810	1664	1553	-6806	105	9692	349	-33	-440

Table1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 of the year 2016-17
(Values in ₹lakhs unless otherwise mentioned)

District: Idukki

Characteristics	All	10	11	13	15	16	18	20	21	22	23
1.Number of factories	154	77	2	1	5	6	1	4	3	16	14
2.Factories in operation	141	69	2	1	3	6	1	4	3	13	14
3. Fixed Capital	69722	49581	968	442	508	315	0	833	908	5699	3501
4.Physical Working Capital	28772	22515	91	94	648	209	0	1410	1198	252	319
5.Working Capital	28952	21273	18	185	149	225	0	1450	837	3054	808
6.Invested Capital	98494	72095	1059	536	1156	523	0	2243	2105	5951	3821
7.Gross Value of Additions to Fixed Capital	4742	2935	12	67	37	79	0	52	115	336	857
8.Rent Paid	682	362	1	0	12	0	0	0	58	78	0
9.Outstanding Loan	20375	14071	36	0	33	315	0	2	648	358	1370
10.Interest paid	3304	2372	9	0	43	22	0	0	176	52	156
11.Rent received	53	5	0	0	0	0	0	0	0	49	0
12.Interest received	106	20	1	16	1	1	0	0	1	36	0
13.Gross Value of P & M	26685	17396	0	159	39	277	0	502	554	29	217
14.Value of Products & By-products'	225746	192564	309	386	1639	1407	0	1048	4648	9575	3754
15.Total Output	235809	198428	320	394	2583	1424	0	1239	6070	9594	3756
16.Fuel Consumed	10470	9101	31	21	41	57	0	12	212	245	507
17.Materials Consumed for Manufacturing	127267	109848	225	158	1311	1052	0	886	2418	4481	481
18.Total Input	162675	135099	288	291	2217	1223	0	1004	4107	7840	1819
19.Gross Value Added (GVA)	73135	63328	32	103	366	201	0	235	1963	1754	1936
20.Depreciation	4192	2707	118	32	61	44	0	63	84	151	296
21.Net Value Added (NVA)	68943	60622	-85	71	305	157	0	172	1878	1602	1640
22.Net Fixed Capital Formation(NFCF)	305	-3	-106	35	-24	35	0	-11	26	183	560
23.Gross Fixed Capital Formation (GFCF)	4497	2704	12	67	37	79	0	52	111	335	857
24.Addition in stock of:	10699	9838	16	-18	44	34	0	869	39	-116	0
(a) Materials, Fuels etc.	1950	1927	10	-3	-47	29	0	111	-15	3	0
(b) Semi-Finished Goods	153	161	0	0	0	1	0	4	11	-43	0
(c) Finished Goods	8596	7749	6	-15	91	5	0	755	43	-76	0
25.Gross Capital Formation	15197	12542	28	49	81	113	0	921	150	219	857
26.Net Income	65116	57913	-94	87	250	136	0	172	1646	1556	1483
27.Profit	49095	47056	-130	-81	1	56	0	78	124	925	683

Table1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 of the year 2016-17
(Values in ₹lakhs unless otherwise mentioned)

District: Idukki

Characteristics	27	28	31	35	45
1.Number of factories	2	1	4	3	15
2.Factories in operation	2	1	4	3	15
3. Fixed Capital	143	525	2044	4075	180
4.Physical Working Capital	344	545	875	63	208
5.Working Capital	318	640	-126	-65	187
6.Invested Capital	487	1071	2920	4139	388
7.Gross Value of Additions to Fixed Capital	25	1	150	66	10
8.Rent Paid	2	3	137	4	26
9.Outstanding Loan	223	918	1668	319	415
10.Interest paid	46	142	227	55	5
11.Rent received	0	0	0	0	0
12.Interest received	1	0	15	15	0
13.Gross Value of P & M	791	0	962	5759	1
14.Value of Products & By-products'	1424	409	5103	3480	0
15.Total Output	1519	454	5116	3490	1423
16.Fuel Consumed	26	4	194	5	13
17.Materials Consumed for Manufacturing	912	277	3076	2125	18
18.Total Input	984	318	4017	2274	1193
19.Gross Value Added (GVA)	535	136	1099	1216	230
20.Depreciation	32	15	228	342	19
21.Net Value Added (NVA)	504	121	871	874	211
22.Net Fixed Capital Formation(NFCF)	-15	-14	-78	-276	-9
23.Gross Fixed Capital Formation (GFCF)	17	1	150	66	10
24.Addition in stock of:	-61	-43	97	-21	20
(a) Materials, Fuels etc.	-52	-46	13	0	20
(b) Semi-Finished Goods	-3	39	-16	0	0
(c) Finished Goods	-5	-35	100	-21	0
25.Gross Capital Formation	-43	-42	246	45	30
26.Net Income	457	-23	522	831	181
27.Profit	19	-102	-120	560	26

Table 1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Values in ₹lakhs unless otherwise mentioned)

District: Kottayam

Characteristics	All	10	11	13	14	15	16	17	18
1.Number of factories	433	49	1	5	1	41	45	5	38
2.Factories in operation	388	45	1	5	1	38	42	5	38
3. Fixed Capital	166612	11350	2	3598	38	3586	548	14772	78360
4.Physical Working Capital	59087	4457	56	766	82	3334	363	5349	11107
5.Working Capital	81593	2148	132	-94	207	-216	-1241	-13942	19462
6.Invested Capital	225699	15807	58	4364	120	6920	911	20120	89467
7.Gross Value of Additions to Fixed Capital	45845	4933	0	232	1	810	48	396	27651
8.Rent Paid	2098	23	0	12	1	81	25	13	930
9.Outstanding Loan	38790	5553	0	4865	267	620	146	1280	8307
10.Interest paid	8591	228	0	276	40	223	126	1949	2698
11.Rent received	260	48	0	0	0	0	27	55	6
12.Interest received	1315	43	0	14	0	7	0	48	256
13.Gross Value of P & M	151899	2562	0	1577	0	3531	724	37265	53373
14.Value of Products & By-products'	570234	55900	880	4098	582	29630	6951	37733	53024
15.Total Output	737338	66235	881	4126	582	30621	7758	38292	137530
16.Fuel Consumed	32149	1351	3	569	8	464	119	11765	2657
17.Materials Consumed for Manufacturing	409705	46596	653	2957	410	15565	5056	20677	44155
18.Total Input	560216	61218	809	4080	430	25891	6077	35109	73814
19.Gross Value Added (GVA)	177122	5017	73	47	152	4730	1680	3183	63716
20.Depreciation	23678	1108	0	340	6	440	56	639	13886
21.Net Value Added (NVA)	153445	3909	73	-293	146	4290	1624	2544	49830
22.Net Fixed Capital Formation(NFCF)	4849	3808	0	-127	-5	335	-8	-262	-1645
23.Gross Fixed Capital Formation (GFCF)	28527	4916	0	213	1	775	48	376	12241
24.Addition in stock of:	-990	126	3	21	54	-360	-84	-3359	903
(a) Materials, Fuels etc.	-1565	156	3	8	40	-164	-27	-2028	771
(b) Semi-Finished Goods	70	67	0	-8	0	-401	-47	270	2
(c) Finished Goods	505	-98	0	21	14	205	-11	-1601	131
25.Gross Capital Formation	27538	5041	3	234	55	416	-37	-2982	13144
26.Net Income	144330	3749	73	-566	105	3993	1500	685	46464
27.Profit	68260	73	33	-1474	21	1466	540	-7408	21651

Table 1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Values in ₹lakhs unless otherwise mentioned)

District: Kottayam

Characteristics	19	20	21	22	23	24	25	27	28
1.Number of factories	2	7	6	122	19	3	2	8	7
2.Factories in operation	2	7	5	96	19	3	2	8	7
3. Fixed Capital	583	801	1638	28939	8195	1083	11	380	201
4.Physical Working Capital	169	1041	1188	24715	1313	686	21	231	226
5.Working Capital	-152	1328	1121	63111	151	-222	10	249	411
6.Invested Capital	752	1843	2827	53654	9508	1769	32	611	427
7.Gross Value of Additions to Fixed Capital	130	363	263	7192	1285	517	1	162	23
8.Rent Paid	2	90	26	125	74	23	0	7	0
9.Outstanding Loan	294	462	1052	4633	3020	429	4	184	219
10.Interest paid	41	102	154	1626	428	196	1	79	24
11.Rent received	0	0	0	107	2	0	0	0	0
12.Interest received	2	3	3	882	15	0	0	1	0
13.Gross Value of P & M	293	120	2114	38511	9148	464	0	25	0
14.Value of Products & By-products'	2184	8286	7137	321914	15725	13764	59	2705	580
15.Total Output	2294	10305	7472	338262	15848	14074	61	2815	877
16.Fuel Consumed	85	136	341	10674	2941	93	2	47	27
17.Materials Consumed for Manufacturing	1892	6473	3452	236568	3908	12635	28	1953	267
18.Total Input	2045	8713	4819	266289	9116	13340	37	2344	583
19.Gross Value Added (GVA)	249	1593	2653	71973	6731	734	24	471	294
20.Depreciation	60	71	309	4242	1254	92	1	41	30
21.Net Value Added (NVA)	190	1522	2345	67731	5477	642	23	430	264
22.Net Fixed Capital Formation(NFCF)	70	261	-66	1438	-72	393	0	83	-7
23.Gross Fixed Capital Formation (GFCF)	130	331	243	5681	1183	484	1	124	22
24.Addition in stock of:	54	-448	18	1470	-40	90	3	-4	46
(a) Materials, Fuels etc.	54	-532	134	-734	32	49	2	8	38
(b) Semi-Finished Goods	0	210	-166	223	0	0	0	-7	20
(c) Finished Goods	0	-127	49	1982	-72	40	2	-4	-12
25.Gross Capital Formation	183	-117	261	7151	1142	574	5	121	68
26.Net Income	148	1333	2167	66970	4992	423	22	345	240
27.Profit	5	650	981	47005	941	235	-3	97	80

Table 1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Values in ₹lakhs unless otherwise mentioned)

District: Kottayam

Characteristics	29	31	45	58	96
1.Number of factories	2	5	61	3	1
2.Factories in operation	2	5	54	3	1
3. Fixed Capital	138	970	10379	949	92
4.Physical Working Capital	295	599	2924	164	1
5.Working Capital	88	878	6835	1328	1
6.Invested Capital	433	1569	13303	1112	93
7.Gross Value of Additions to Fixed Capital	55	43	1439	197	108
8.Rent Paid	16	4	597	47	0
9.Outstanding Loan	54	57	6878	465	0
10.Interest paid	0	53	231	116	0
11.Rent received	0	0	14	0	0
12.Interest received	2	31	8	0	0
13.Gross Value of P & M	88	0	742	1253	108
14.Value of Products & By-products'	1885	5704	63	1432	0
15.Total Output	2004	5801	47418	4039	43
16.Fuel Consumed	26	113	642	77	9
17.Materials Consumed for Manufacturing	1194	2949	922	1387	8
18.Total Input	1311	4199	37498	2476	19
19.Gross Value Added (GVA)	693	1602	9920	1563	24
20.Depreciation	21	109	873	84	16
21.Net Value Added (NVA)	672	1493	9046	1479	7
22.Net Fixed Capital Formation(NFCF)	34	-67	493	102	92
23.Gross Fixed Capital Formation (GFCF)	55	43	1366	186	108
24.Addition in stock of:	44	-37	493	16	1
(a) Materials, Fuels etc.	98	18	493	16	1
(b) Semi-Finished Goods	-74	-20	0	0	0
(c) Finished Goods	20	-36	0	0	0
25.Gross Capital Formation	99	6	1859	202	109
26.Net Income	657	1467	8240	1316	7
27.Profit	10	555	2893	-90	0

Table 1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
 (Values in ₹lakhs unless otherwise mentioned)

District: Alappuzha

Characteristics	All	10	11	13	14	15	16	17	18	19
1.Number of factories	592	161	3	163	2	1	21	19	3	1
2.Factories in operation	531	140	3	152	2	1	21	16	2	1
3. Fixed Capital	127508	69767	1722	32533	43	73	773	492	46	180
4.Physical Working Capital	113948	67044	203	27450	19	39	377	264	1	0
5.Working Capital	61571	25975	1870	35359	52	-16	-275	407	-44	-154
6.Invested Capital	241455	136810	1925	59983	62	111	1150	756	47	180
7.Gross Value of Additions to Fixed Capital	23806	14437	283	6448	4	25	14	74	0	3
8.Rent Paid	1938	1379	10	208	4	0	1	19	0	0
9.Outstanding Loan	75619	39857	112	18288	37	68	614	134	0	79
10.Interest paid	14505	9231	13	3227	0	2	8	83	0	4
11.Rent received	123	91	0	23	0	0	0	0	8	0
12.Interest received	3310	1306	1	1191	0	0	0	0	0	0
13.Gross Value of P & M	50057	25355	4193	14262	0	0	0	0	0	171
14.Value of Products & By-products'	695128	418017	2840	189273	257	212	1063	3669	0	0
15.Total Output	762215	452864	2928	204313	273	212	1074	3702	37	39
16.Fuel Consumed	14273	8784	251	2670	3	6	38	128	3	3
17.Materials Consumed for Manufacturing	544775	365425	1610	128631	138	138	1046	2570	19	1
18.Total Input	666168	415512	2120	167168	155	161	1171	3055	23	8
19.Gross Value Added (GVA)	96047	37352	808	37145	117	51	-97	646	14	31
20.Depreciation	12117	6315	262	3041	7	8	84	65	6	27
21.Net Value Added (NVA)	83930	31037	546	34104	110	43	-181	581	7	3
22.Net Fixed Capital Formation(NFCF)	7230	4643	-18	3181	-3	16	-70	-4	-6	-24
23.Gross Fixed Capital Formation (GFCF)	19347	10958	244	6222	4	25	14	61	0	3
24.Addition in stock of:	20217	14256	-185	4762	2	21	186	0	0	0
(a) Materials, Fuels etc.	5913	3779	-193	1603	-2	16	54	0	0	0
(b) Semi-Finished Goods	2452	2438	-9	8	0	0	0	1	0	0
(c) Finished Goods	11851	8039	17	3151	3	4	133	-1	0	0
25.Gross Capital Formation	39564	25214	59	10984	6	45	201	61	0	3
26.Net Income	70919	21823	525	31882	107	40	-190	480	15	-1
27.Profit	15338	-4132	-113	17777	10	11	-283	103	11	-26

Table 1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
 (Values in ₹lakhs unless otherwise mentioned)

District: Alappuzha

Characteristics	20	21	22	23	24	25	26	27	28	30
1.Number of factories	12	14	27	67	4	13	1	6	5	5
2.Factories in operation	10	14	27	50	3	13	1	6	5	5
3. Fixed Capital	1110	3326	2141	1163	1021	3406	396	63	1475	544
4.Physical Working Capital	184	1147	827	123	1330	1067	424	544	645	2163
5.Working Capital	279	-6115	-209	342	-334	-897	-21	186	1036	-107
6.Invested Capital	1295	4473	2968	1286	2351	4473	820	607	2121	2708
7.Gross Value of Additions to Fixed Capital	513	223	125	307	4	172	7	21	221	8
8.Rent Paid	0	17	55	21	7	14	0	5	7	2
9.Outstanding Loan	1266	5094	863	498	1703	2000	0	20	1146	849
10.Interest paid	6	606	114	65	111	347	2	0	224	65
11.Rent received	0	0	0	0	0	0	1	0	0	0
12.Interest received	3	234	176	1	2	13	7	2	27	3
13.Gross Value of P & M	438	1752	732	0	0	1279	443	186	491	313
14.Value of Products & By-products'	131	6907	24651	2140	6247	7271	1246	3209	2081	788
15.Total Output	684	7234	25368	2178	6258	9746	2443	3230	2223	1068
16.Fuel Consumed	67	161	401	95	573	204	14	26	58	28
17.Materials Consumed for Manufacturing	16	3785	6265	1403	3161	5745	813	2429	1047	459
18.Total Input	149	4280	22834	1620	3959	8675	1758	2695	1258	718
19.Gross Value Added (GVA)	535	2954	2535	558	2299	1070	686	536	965	350
20.Depreciation	41	388	189	169	88	422	0	11	102	34
21.Net Value Added (NVA)	495	2565	2346	389	2211	649	686	524	863	316
22.Net Fixed Capital Formation(NFCF)	152	-177	-74	25	-84	-293	7	10	118	-77
23.Gross Fixed Capital Formation (GFCF)	193	211	115	194	4	128	7	21	221	-43
24.Addition in stock of:	172	180	-17	18	26	258	-73	172	-74	-81
(a) Materials, Fuels etc.	172	45	73	7	114	4	-47	31	4	46
(b) Semi-Finished Goods	0	176	-9	0	-62	2	-21	76	-17	-158
(c) Finished Goods	0	-41	-80	11	-27	252	-4	65	-60	32
25.Gross Capital Formation	364	391	98	211	29	386	-66	193	147	-124
26.Net Income	492	2176	2353	304	2095	300	691	521	659	252
27.Profit	-221	419	376	154	-313	-455	-483	-28	-1	25

Table 1.4:Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Values in ₹lakhs unless otherwise mentioned)

District: Alappuzha

Characteristics	31	32	33	35	45	52	82
1.Number of factories	4	7	2	1	44	5	1
2.Factories in operation	3	7	2	1	40	5	1
3. Fixed Capital	99	1681	21	9	4327	1094	0
4.Physical Working Capital	212	8086	58	0	1379	362	0
5.Working Capital	76	5064	148	0	-991	-72	13
6.Invested Capital	311	9767	79	9	5706	1456	0
7.Gross Value of Additions to Fixed Capital	2	143	2	0	545	225	0
8.Rent Paid	0	13	0	0	154	20	1
9.Outstanding Loan	121	1830	0	0	979	62	0
10.Interest paid	13	132	0	0	252	0	0
11.Rent received	0	0	0	0	0	0	0
12.Interest received	0	335	0	0	5	3	0
13.Gross Value of P & M	0	0	42	0	399	0	0
14.Value of Products & By-products'	219	17009	82	0	675	7141	0
15.Total Output	366	17227	708	31	10255	7536	218
16.Fuel Consumed	7	103	10	14	315	312	0
17.Materials Consumed for Manufacturing	130	12227	48	5	1212	6441	12
18.Total Input	297	14480	639	20	6182	7111	121
19.Gross Value Added (GVA)	68	2748	69	12	4073	426	97
20.Depreciation	8	223	5	10	473	138	0
21.Net Value Added (NVA)	60	2525	64	1	3600	288	97
22.Net Fixed Capital Formation(NFCF)	-6	-80	-3	-104	13	87	0
23.Gross Fixed Capital Formation (GFCF)	2	143	2	-93	486	225	0
24.Addition in stock of:	40	264	28	0	74	190	0
(a) Materials, Fuels etc.	31	149	9	0	18	0	0
(b) Semi-Finished Goods	3	0	18	0	8	0	0
(c) Finished Goods	6	116	0	0	47	190	0
25.Gross Capital Formation	42	407	29	-93	559	415	0
26.Net Income	47	2715	64	1	3199	271	96
27.Profit	1	1719	2	-18	1016	-220	11

Table 1.4:Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Values in ₹lakhs unless otherwise mentioned)

District: Pathanamthitta

Characteristics	All	10	11	13	15	16	18	20	21	22
1.Number of factories	211	57	3	4	2	13	1	3	2	17
2.Factories in operation	203	57	3	4	2	13	1	3	2	13
3. Fixed Capital	58295	10947	232	1367	34	2360	19	189	138	535
4.Physical Working Capital	33005	13042	368	814	6	13922	22	16	4	577
5.Working Capital	43176	6054	1034	2208	-1	14503	-4	92	-8	361
6.Invested Capital	91300	23989	600	2180	40	16281	42	205	142	1112
7.Gross Value of Additions to Fixed Capital	6905	2511	15	367	0	212	0	12	35	1
8.Rent Paid	613	83	0	0	0	0	0	0	0	20
9.Outstanding Loan	35552	8747	10	743	0	200	3	107	4	250
10.Interest paid	4725	1434	0	246	1	1	0	9	1	35
11.Rent received	115	2	84	16	0	0	0	0	0	0
12.Interest received	317	198	15	15	0	0	0	0	0	1
13.Gross Value of P & M	31457	4777	120	126	0	142	0	0	0	281
14.Value of Products & By-products'	141574	80155	4751	4089	0	711	0	358	166	3355
15.Total Output	190356	85508	4834	4173	43	2442	89	362	236	3749
16.Fuel Consumed	6040	1342	18	48	1	33	2	6	3	93
17.Materials Consumed for Manufacturing	97298	66769	3918	2400	0	1419	2	230	138	2185
18.Total Input	150547	75664	4166	3216	3	1712	71	290	151	2491
19.Gross Value Added (GVA)	39810	9845	668	957	40	730	18	73	84	1258
20.Depreciation	6544	1151	20	115	4	64	3	24	16	54
21.Net Value Added (NVA)	33265	8694	647	842	36	666	14	49	68	1204
22.Net Fixed Capital Formation(NFCF)	-823	952	-5	232	-4	148	-3	-31	19	-87
23.Gross Fixed Capital Formation (GFCF)	5721	2103	15	348	0	212	0	-7	35	-33
24.Addition in stock of:	1662	-1463	61	65	0	2875	-11	3	3	346
(a) Materials, Fuels etc.	-375	-3608	55	40	0	2726	-11	1	3	362
(b) Semi-Finished Goods	118	117	0	-9	0	9	0	0	0	0
(c) Finished Goods	1920	2028	6	34	0	140	0	2	0	-16
25.Gross Capital Formation	7383	640	76	412	0	3087	-11	-4	37	313
26.Net Income	28359	7376	747	627	35	665	14	40	68	1150
27.Profit	9248	3024	452	512	4	-315	0	11	18	738

Table 1.4:Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Values in ₹lakhs unless otherwise mentioned)

District: Pathanamthitta

Characteristics	23	25	27	31	32	35	45	96
1.Number of factories	51	4	1	1	2	2	47	1
2.Factories in operation	47	4	1	1	2	2	47	1
3. Fixed Capital	21913	1137	23	12	10	17198	2079	101
4.Physical Working Capital	935	1162	5	3	16	10	2103	1
5.Working Capital	-3448	13	11	-123	-17	-1039	23537	2
6.Invested Capital	22848	2299	28	15	26	17208	4182	103
7.Gross Value of Additions to Fixed Capital	2477	460	5	1	0	426	382	1
8.Rent Paid	9	1	0	0	2	44	452	1
9.Outstanding Loan	9206	656	5	0	0	13089	2475	57
10.Interest paid	1138	134	7	0	0	1595	115	8
11.Rent received	12	0	0	0	0	0	0	0
12.Interest received	74	1	0	0	0	4	8	0
13.Gross Value of P & M	11060	127	0	5	4	14277	359	178
14.Value of Products & By-products'	42136	4146	0	61	7	1530	109	0
15.Total Output	43764	6020	313	122	59	1983	36583	76
16.Fuel Consumed	3690	64	30	1	2	5	689	14
17.Materials Consumed for Manufacturing	7565	3848	171	28	13	9	8597	5
18.Total Input	23928	5461	243	84	19	746	32269	33
19.Gross Value Added (GVA)	19836	559	70	38	40	1237	4315	43
20.Depreciation	3895	124	3	2	1	771	275	20
21.Net Value Added (NVA)	15941	434	67	36	39	466	4040	23
22.Net Fixed Capital Formation(NFCF)	-2047	332	-20	-1	-1	-345	57	-19
23.Gross Fixed Capital Formation (GFCF)	1849	457	-17	1	0	426	331	1
24.Addition in stock of:	-371	153	5	1	-9	-80	85	1
(a) Materials, Fuels etc.	-49	191	5	1	0	-80	-11	1
(b) Semi-Finished Goods	0	3	0	0	0	0	-1	0
(c) Finished Goods	-322	-41	0	0	-9	0	98	0
25.Gross Capital Formation	1478	610	-13	2	-9	345	416	3
26.Net Income	14879	300	59	36	37	-1170	3481	14
27.Profit	5227	137	14	-2	5	-1341	784	-18

Table1.4:Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Values in ₹lakhs unless otherwise mentioned)

District: Kollam

Characteristics	All	10	11	13	14	15	16	17	18	19
1.Number of factories	1121	613	3	10	2	1	37	8	8	3
2.Factories in operation	955	610	3	10	2	1	28	8	7	3
3. Fixed Capital	161457	76834	218	376	84	12	1309	4129	591	13672
4.Physical Working Capital	141802	106631	75	372	124	0	283	599	299	23
5.Working Capital	-20764	-33677	24	-6736	93	0	-256	618	-242	23
6.Invested Capital	303259	183465	293	748	208	12	1592	4728	891	13695
7.Gross Value of Additions to Fixed Capital	18049	7752	38	2	10	0	19	228	34	0
8.Rent Paid	511	365	0	1	0	0	2	1	0	3
9.Outstanding Loan	108748	73045	63	12378	6	0	24	613	271	10
10.Interest paid	18316	12757	16	1744	0	0	86	120	48	0
11.Rent received	244	141	0	0	0	0	0	0	0	0
12.Interest received	1924	1235	0	0	0	0	1	10	0	0
13.Gross Value of P & M	68658	10024	0	2135	0	0	60	792	0	25103
14.Value of Products & By-products'	576097	473876	278	1013	922	0	1307	4295	1025	0
15.Total Output	735538	581954	284	1030	937	0	1379	4446	1164	3415
16.Fuel Consumed	23532	4649	12	99	11	0	56	422	43	116
17.Materials Consumed for Manufacturing	453152	404878	204	730	442	0	957	2898	603	95
18.Total Input	621427	522055	223	905	507	0	1097	3519	852	1017
19.Gross Value Added (GVA)	114111	59899	61	125	429	0	282	927	312	2397
20.Depreciation	12679	5774	33	45	13	0	53	240	82	1019
21.Net Value Added (NVA)	101432	54125	28	80	417	0	228	687	231	1378
22.Net Fixed Capital Formation(NFCF)	3167	425	5	-43	-3	0	-34	-12	-47	-1019
23.Gross Fixed Capital Formation (GFCF)	15845	6199	38	2	10	0	19	228	34	0
24.Addition in stock of:	-27632	-19542	11	30	-50	0	34	170	-88	1
(a) Materials, Fuels etc.	-5948	-5482	2	35	-40	0	39	200	4	1
(b) Semi-Finished Goods	-3155	-2631	0	-3	0	0	0	1	-37	0
(c) Finished Goods	-18529	-11429	9	-2	-10	0	-5	-31	-55	0
25.Gross Capital Formation	-11787	-13343	49	33	-40	0	53	397	-53	1
26.Net Income	84773	42378	12	-1665	416	0	141	576	182	1375
27.Profit	13337	2339	-13	-2434	39	0	-14	161	28	1

Table1.4:Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Values in ₹lakhs unless otherwise mentioned)

District: Kollam

Characteristics	20	21	22	23	24	25	27	28	29	30	31
1.Number of factories	5	7	18	312	4	8	7	2	1	1	4
2.Factories in operation	5	7	18	165	4	6	7	2	1	1	4
3. Fixed Capital	26390	134	8059	15620	1091	651	387	130	6	87	144
4.Physical Working Capital	14371	47	1133	1381	7173	296	655	41	0	0	293
5.Working Capital	26562	112	445	-4476	4881	522	-9939	-543	3	41	40
6.Invested Capital	40761	181	9192	17001	8264	946	1043	171	6	87	437
7.Gross Value of Additions to Fixed Capital	1785	12	1222	4797	206	86	20	0	0	29	35
8.Rent Paid	7	0	5	0	0	1	5	0	0	5	0
9.Outstanding Loan	157	156	3284	8874	2205	671	2619	205	3	40	104
10.Interest paid	114	11	290	1451	37	79	521	0	0	3	23
11.Rent received	6	0	97	0	0	0	0	0	0	0	0
12.Interest received	498	1	70	39	18	0	19	0	0	0	0
13.Gross Value of P & M	27586	0	952	327	1336	18	0	59	0	0	0
14.Value of Products & By-products'	56888	318	10464	14816	4572	1075	3560	98	0	0	123
15.Total Output	57928	328	10738	15390	4903	1502	4122	105	11	99	123
16.Fuel Consumed	15673	15	532	694	656	49	52	8	1	6	6
17.Materials Consumed for Manufacturing	15313	124	6565	6693	2830	635	2613	25	0	11	65
18.Total Input	33216	168	8237	10139	3906	944	3385	59	1	29	79
19.Gross Value Added (GVA)	24712	160	2501	5250	997	558	737	46	10	70	44
20.Depreciation	1100	21	557	1919	104	64	51	14	1	16	16
21.Net Value Added (NVA)	23612	139	1944	3332	893	493	686	32	9	55	29
22.Net Fixed Capital Formation(NFCF)	92	-9	612	2974	77	19	-31	-14	0	13	20
23.Gross Fixed Capital Formation (GFCF)	1192	12	1169	4892	181	83	20	0	0	29	35
24.Addition in stock of:	-11296	2	-64	854	817	-20	-210	10	0	0	-17
(a) Materials, Fuels etc.	-2718	1	2	219	137	18	-79	-5	0	0	-8
(b) Semi-Finished Goods	-339	0	-107	134	-76	-10	-45	0	0	0	-42
(c) Finished Goods	-8239	0	41	501	756	-28	-86	15	0	0	33
25.Gross Capital Formation	-10104	14	1105	5746	998	63	-190	10	0	29	18
26.Net Income	23994	129	1816	1919	873	413	178	32	9	48	6
27.Profit	6021	19	-27	-820	452	116	-1143	-14	3	1	-21

Table1.4:Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Values in ₹lakhs unless otherwise mentioned)

District: Kollam

Characteristics	32	33	45	96
1.Number of factories	2	1	60	4
2.Factories in operation	2	1	57	4
3. Fixed Capital	70	23	11311	128
4.Physical Working Capital	377	0	7617	13
5.Working Capital	-362	28	2015	60
6.Invested Capital	447	23	18928	141
7.Gross Value of Additions to Fixed Capital	11	0	1665	98
8.Rent Paid	11	0	103	2
9.Outstanding Loan	417	0	3375	229
10.Interest paid	10	1	979	25
11.Rent received	0	0	0	0
12.Interest received	0	0	33	0
13.Gross Value of P & M	55	0	211	0
14.Value of Products & By-products'	1355	0	61	52
15.Total Output	1501	56	43918	206
16.Fuel Consumed	7	0	415	12
17.Materials Consumed for Manufacturing	1311	0	6134	24
18.Total Input	1334	2	29631	120
19.Gross Value Added (GVA)	167	53	14287	86
20.Depreciation	9	2	1534	12
21.Net Value Added (NVA)	159	51	12753	73
22.Net Fixed Capital Formation(NFCF)	-1	-2	63	84
23.Gross Fixed Capital Formation (GFCF)	7	0	1597	96
24.Addition in stock of:	-224	0	1950	0
(a) Materials, Fuels etc.	-224	0	1950	0
(b) Semi-Finished Goods	0	0	0	0
(c) Finished Goods	0	0	0	0
25.Gross Capital Formation	-217	0	3547	97
26.Net Income	138	51	11705	46
27.Profit	12	22	8594	14

Table1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Values in ₹ lakh unless otherwise mentioned)

District: Thiruvananthapuram

Characteristics	All	10	11	13	14	16	17	18	19	20	21	22
1.Number of factories	322	69	1	18	4	9	6	15	2	3	9	27
2.Factories in operation	281	57	1	14	4	5	4	13	2	3	9	27
3. Fixed Capital	106085	8503	29	978	1361	778	338	7207	1433	974	1540	21421
4.Physical Working Capital	58179	11217	18	470	70	146	361	940	0	4242	978	12435
5.Working Capital	40827	10143	-135	317	-312	7	182	-320	13	-6984	1828	14314
6.Invested Capital	164264	19721	47	1448	1431	924	699	8147	1433	5216	2517	33855
7.Gross Value of Additions to Fixed Capital	14528	777	0	116	1	71	4	1469	294	5	289	2569
8.Rent Paid	2188	102	0	0	112	2	19	57	0	1	233	80
9.Outstanding Loan	55640	3825	0	9067	0	411	153	4541	0	2560	2189	5769
10.Interest paid	8023	1139	0	533	0	82	31	513	0	712	310	1385
11.Rent received	325	269	0	1	0	6	0	22	0	0	0	3
12.Interest received	473	40	0	41	1	1	0	45	0	25	4	65
13.Gross Value of P & M	92573	1644	166	2492	0	0	188	6786	894	5033	594	29980
14.Value of Products & By-products'	255883	67138	0	3326	853	1894	1583	9504	0	13332	8494	57924
15.Total Output	345736	96824	0	3386	1153	2866	1625	13149	906	13572	10642	70558
16.Fuel Consumed	19114	1107	2	620	99	143	47	306	15	1805	204	3270
17.Materials Consumed for Manufacturing	138396	57128	0	2175	383	1195	1109	4522	104	4478	3575	30159
18.Total Input	249444	87761	73	2933	796	2414	1400	7083	493	7403	7426	47019
19.Gross Value Added (GVA)	96291	9063	-73	452	357	452	225	6066	413	6169	3217	23539
20.Depreciation	11790	956	2	187	55	109	31	923	68	103	147	2803
21.Net Value Added (NVA)	84502	8107	-76	266	302	343	195	5143	345	6066	3070	20736
22.Net Fixed Capital Formation(NFCF)	1016	-243	-2	-67	-54	-43	-27	-165	209	-98	134	-406
23.Gross Fixed Capital Formation (GFCF)	12806	713	0	120	1	66	4	759	277	5	281	2397
24.Addition in stock of:	3330	2746	0	-323	-41	52	135	-387	0	-364	-279	114
(a) Materials, Fuels etc.	2975	2421	0	70	-42	41	43	-400	0	24	66	-208
(b) Semi-Finished Goods	-444	19	0	4	21	0	0	13	0	-95	-149	-339
(c) Finished Goods	799	305	0	-397	-19	12	92	0	0	-293	-196	661
25.Gross Capital Formation	16136	3458	0	-204	-40	119	139	372	277	-359	2	2511
26.Net Income	75090	7175	-76	-226	190	266	145	4639	345	5378	2530	19340
27.Profit	16163	2079	-127	-1290	-1414	8	-23	1991	-4	301	780	6028

Table1.4: Distribution of selected characteristics of factory sector by 2-digit NIC 2008 for the year 2016-17
(Values in ₹ lakh unless otherwise mentioned)

District: Thiruvananthapuram

Characteristics	23	24	25	26	27	28	30	31	32	33	45	59	95	96
1.Number of factories	38	2	6	7	9	5	5	10	4	2	61	3	1	6
2.Factories in operation	35	2	6	7	9	5	5	10	4	1	50	2	1	6
3. Fixed Capital	33110	35	105	927	822	384	2177	280	439	0	22440	27	8	769
4.Physical Working Capital	6105	15	1028	2671	2076	362	2217	590	711	0	11449	0	17	63
5.Working Capital	4811	-234	222	6591	7205	806	2381	-160	1276	0	-991	-332	43	157
6.Invested Capital	39215	49	1133	3599	2898	745	4393	870	1151	0	33888	27	25	832
7.Gross Value of Additions to Fixed Capital	4316	0	6	133	179	32	214	45	26	0	3885	0	0	98
8.Rent Paid	615	0	10	20	60	5	8	1	6	0	850	0	4	2
9.Outstanding Loan	7517	5	133	203	376	629	3210	236	0	0	14243	0	0	572
10.Interest paid	1693	0	175	45	88	89	8	77	41	0	1045	0	0	57
11.Rent received	0	0	0	24	0	0	0	0	0	0	0	0	0	0
12.Interest received	98	1	11	7	48	3	70	1	0	0	9	4	0	1
13.Gross Value of P & M	34117	41	168	1279	1528	429	5537	204	313	0	970	0	0	210
14.Value of Products & By-products'	68225	69	1420	5851	8410	989	2949	993	2008	0	956	0	0	-35
15.Total Output	69152	108	1592	10603	12537	1072	6021	1166	2067	0	24989	316	199	1233
16.Fuel Consumed	10158	17	26	64	150	26	207	17	31	0	642	0	2	155
17.Materials Consumed for Manufacturing	20288	54	697	4801	4816	285	1207	559	273	0	466	0	1	122
18.Total Input	44169	96	1092	7203	8496	439	2487	788	772	0	18356	83	177	486
19.Gross Value Added (GVA)	24983	12	501	3400	4041	633	3534	378	1295	0	6633	233	22	747
20.Depreciation	3797	6	14	254	152	49	265	16	53	0	1696	4	2	97
21.Net Value Added (NVA)	21186	6	487	3146	3889	584	3270	362	1242	0	4937	229	20	650
22.Net Fixed Capital Formation(NFCF)	235	-6	-29	-122	27	-18	-52	21	-26	0	1753	-4	-2	1
23.Gross Fixed Capital Formation (GFCF)	4032	0	-15	132	179	31	213	37	28	0	3450	0	0	97
24.Addition in stock of:	552	-22	144	-351	-95	55	370	286	57	0	714	0	-1	-33
(a) Materials, Fuels etc.	37	-8	-18	-79	7	63	271	257	85	0	343	0	-1	2
(b) Semi-Finished Goods	92	2	158	-272	-29	57	113	2	-5	0	0	0	0	-35
(c) Finished Goods	424	-16	4	0	-74	-65	-13	26	-23	0	371	0	0	0
25.Gross Capital Formation	4585	-21	129	-219	83	86	583	323	85	0	4163	0	-1	65
26.Net Income	18975	6	313	3113	3790	492	3323	286	1195	0	3051	232	16	592
27.Profit	7655	-38	55	-317	1142	79	-338	-140	853	0	-1258	31	8	102

Table 1.5:Distribution of selected characteristics of factory sector by 3 digit NIC 2008 for the year 2016-17
(Values in ₹ lakh unless otherwise mentioned)

District: Kasargod

Characteristics	All	103	104	105	106	107	110	120	131	139
1.Number of factories	378	1	1	1	1	5	2	282	5	1
2.Factories in operation	343	1	1	1	1	4	2	256	5	1
3. Fixed Capital	18434	146	268	333	141	364	191	1078	68	6
4.Physical Working Capital	19388	460	107	26	656	4826	140	418	122	0
5.Working Capital	1359	352	849	-364	5	3423	376	-959	94	2
6.Invested Capital	37821	605	375	359	797	5191	331	1496	190	6
7.Gross Value of Additions to Fixed Capital	1846	4	7	236	26	99	5	0	4	0
8.Rent Paid	428	0	0	96	0	10	0	27	0	0
9.Outstanding Loan	4731	0	72	99	248	202	775	1184	35	12
10.Interest paid	2495	0	19	20	65	426	5	1	2	2
11.Rent received	26	0	0	0	0	0	0	0	0	0
12.Interest received	74	0	11	0	4	0	0	1	1	0
13.Gross Value of P & M	10610	4	149	0	0	7	150	0	0	0
14.Value of Products & By-products'	47870	991	2960	558	335	16760	1930	-286	173	4
15.Total Output	85408	1004	3322	600	4997	17189	1947	8170	221	5
16.Fuel Consumed	1161	1	85	58	28	43	15	17	3	1
17.Materials Consumed for Manufacturing	39046	882	2250	302	324	15501	1227	33	38	1
18.Total Input	65894	890	2844	564	4817	16025	1815	347	114	4
19.Gross Value Added (GVA)	19514	115	477	36	180	1164	132	7823	107	1
20.Depreciation	1215	3	33	55	18	54	14	47	7	0
21.Net Value Added (NVA)	18299	112	444	-19	162	1110	118	7776	100	0
22.Net Fixed Capital Formation(NFCF)	583	1	-27	157	9	39	-8	-46	-3	0
23.Gross Fixed Capital Formation (GFCF)	1798	4	7	212	26	93	5	0	4	0
24.Addition in stock of:	-183	-185	14	1	166	-198	56	298	14	0
(a) Materials, Fuels etc.	-861	-185	43	0	166	-255	56	298	5	0
(b) Semi-Finished Goods	1203	0	-1	0	0	27	0	0	0	0
(c) Finished Goods	-525	0	-28	1	0	30	0	0	9	0
25.Gross Capital Formation	1614	-181	21	213	192	-105	61	299	18	0
26.Net Income	15476	111	436	-134	102	675	114	7749	99	-1
27.Profit	3708	75	317	-187	51	187	45	566	-1	-5

Table 1.5:Distribution of selected characteristics of factory sector by 3 digit NIC 2008 for the year 2016-17
(Values in ₹ lakh unless otherwise mentioned)

District: Kasargod

Characteristics	141	161	162	181	191	210	221	222	239	241
1.Number of factories	1	13	18	2	1	1	1	2	9	1
2.Factories in operation	1	13	14	1	1	1	1	1	9	1
3. Fixed Capital	27	192	3380	79	11	12	36	59	1028	135
4.Physical Working Capital	0	479	10179	5	0	0	227	154	187	279
5.Working Capital	0	230	1923	15	0	0	200	-16	232	73
6.Invested Capital	27	672	13559	84	11	12	263	213	1216	414
7.Gross Value of Additions to Fixed Capital	0	19	865	16	0	0	0	13	47	0
8.Rent Paid	1	0	7	2	0	0	0	2	3	0
9.Outstanding Loan	0	52	1522	3	0	0	31	0	319	0
10.Interest paid	0	0	1744	3	0	0	1	11	49	0
11.Rent received	0	0	26	0	0	0	0	0	0	0
12.Interest received	0	0	30	0	0	0	0	0	8	2
13.Gross Value of P & M	0	0	2663	0	0	0	0	0	611	0
14.Value of Products & By-products'	0	585	17867	73	0	0	982	803	1623	0
15.Total Output	46	751	34297	141	0	4	1001	822	1798	0
16.Fuel Consumed	2	23	535	6	0	0	8	31	55	34
17.Materials Consumed for Manufacturing	0	432	10715	37	0	0	818	683	659	0
18.Total Input	9	583	27866	75	0	1	882	755	1006	36
19.Gross Value Added (GVA)	37	168	6431	66	0	3	120	67	792	-36
20.Depreciation	3	13	373	13	0	0	3	9	110	0
21.Net Value Added (NVA)	34	155	6058	53	-1	3	117	58	682	-36
22.Net Fixed Capital Formation(NFCF)	-3	5	492	2	0	0	-3	5	-63	0
23.Gross Fixed Capital Formation (GFCF)	0	19	865	16	0	0	0	13	47	0
24.Addition in stock of:	0	151	-527	0	0	-4	109	48	6	0
(a) Materials, Fuels etc.	0	111	-1133	0	0	0	141	18	25	0
(b) Semi-Finished Goods	0	6	1167	0	0	0	0	0	0	0
(c) Finished Goods	0	33	-561	0	0	-3	-32	30	-19	0
25.Gross Capital Formation	0	169	338	15	0	-4	109	61	53	0
26.Net Income	33	155	4363	49	-1	3	116	46	638	-34
27.Profit	-29	25	3729	14	-1	3	59	13	239	-37

Table 1.5:Distribution of selected characteristics of factory sector by 3 digit NIC 2008 for the year 2016-17
(Values in ₹ lakh unless otherwise mentioned)

District: Kasargod

Characteristics	310	351	452
1.Number of factories	7	1	22
2.Factories in operation	5	1	22
3. Fixed Capital	336	1680	8863
4.Physical Working Capital	375	248	497
5.Working Capital	149	-5233	7
6.Invested Capital	711	1928	9360
7.Gross Value of Additions to Fixed Capital	131	0	373
8.Rent Paid	9	0	273
9.Outstanding Loan	157	0	22
10.Interest paid	52	87	9
11.Rent received	0	0	0
12.Interest received	1	0	14
13.Gross Value of P & M	47	6511	467
14.Value of Products & By-products'	2195	0	317
15.Total Output	2306	1	6787
16.Fuel Consumed	47	0	171
17.Materials Consumed for Manufacturing	1686	0	3459
18.Total Input	1856	30	5377
19.Gross Value Added (GVA)	450	-29	1410
20.Depreciation	56	51	353
21.Net Value Added (NVA)	395	-80	1057
22.Net Fixed Capital Formation(NFCF)	75	-51	2
23.Gross Fixed Capital Formation (GFCF)	131	0	355
24.Addition in stock of:	-115	-9	-10
(a) Materials, Fuels etc.	-133	-9	-10
(b) Semi-Finished Goods	4	0	0
(c) Finished Goods	14	0	0
25.Gross Capital Formation	17	-9	345
26.Net Income	335	-167	790
27.Profit	75	-180	-1251

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
 (Values in ₹lakhs unless otherwise mentioned)

District: Kannur

Characteristics	All	102	103	104	105	106	107	110	120
1.Number of factories	1098	1	2	5	6	6	1	2	568
2.Factories in operation	620	1	1	5	6	5	0	2	184
3. Fixed Capital	58383	15	16	998	2929	1206	42	125	3782
4.Physical Working Capital	42761	0	33	374	751	948	4	272	5896
5.Working Capital	63535	11	47	-106	-1500	888	10	287	33113
6.Invested Capital	101145	15	49	1372	3679	2154	46	397	9678
7.Gross Value of Additions to Fixed Capital	7733	0	1	57	1010	41	2	17	3
8.Rent Paid	519	0	0	0	3	3	1	4	69
9.Outstanding Loan	66631	0	0	122	910	2042	48	8	6466
10.Interest paid	5385	0	0	34	62	193	0	57	154
11.Rent received	146	0	0	0	5	0	0	0	65
12.Interest received	918	0	0	0	91	2	0	0	391
13.Gross Value of P & M	38321	0	0	347	2020	1343	0	274	0
14.Value of Products & By-products'	195843	0	69	2249	29211	3724	1020	4021	38020
15.Total Output	222939	0	70	2330	29812	4114	1020	4030	43650
16.Fuel Consumed	9005	0	0	63	482	130	3	11	388
17.Materials Consumed for Manufacturing	116682	0	50	1726	23864	3446	95	3475	7646
18.Total Input	178304	4	60	1900	26432	3647	143	3631	36916
19.Gross Value Added (GVA)	44635	-4	10	430	3380	467	877	399	6735
20.Depreciation	6696	3	2	70	520	96	2	21	315
21.Net Value Added (NVA)	37939	-6	8	361	2860	371	875	378	6420
22.Net Fixed Capital Formation(NFCF)	-233	-3	-2	-12	475	-55	-1	-4	-312
23.Gross Fixed Capital Formation (GFCF)	6463	0	1	57	995	41	2	17	3
24.Addition in stock of:	1900	-1	12	208	90	299	1	-34	1182
(a) Materials, Fuels etc.	1282	-1	4	37	130	291	1	-19	1188
(b) Semi-Finished Goods	-1960	0	0	0	-5	0	0	-9	0
(c) Finished Goods	2578	0	8	171	-34	9	0	-5	-6
25.Gross Capital Formation	8363	-1	12	266	1085	340	3	-17	1186
26.Net Income	33099	-6	7	327	2891	176	873	318	6653
27.Profit	2968	-38	-16	155	1397	-61	858	118	953

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
 (Values in ₹lakhs unless otherwise mentioned)

District: Kannur

Characteristics	131	139	141	151	152	161	162	170	181	201
1.Number of factories	106	16	13	2	2	49	126	4	11	2
2.Factories in operation	92	16	10	2	2	35	100	4	11	2
3. Fixed Capital	19635	1869	665	9	341	305	4998	53	1175	251
4.Physical Working Capital	8504	1502	584	13	149	552	7644	92	32	51
5.Working Capital	10075	3388	-200	41	371	881	7100	74	-661	31
6.Invested Capital	28139	3371	1249	22	490	857	12642	146	1208	302
7.Gross Value of Additions to Fixed Capital	828	11	142	0	118	31	661	9	25	11
8.Rent Paid	43	17	67	0	2	3	9	0	2	16
9.Outstanding Loan	31987	3143	744	0	69	450	2585	10	278	119
10.Interest paid	1751	262	76	1	2	9	554	1	11	27
11.Rent received	12	27	0	0	0	5	25	0	5	0
12.Interest received	141	41	7	0	0	1	28	1	1	2
13.Gross Value of P & M	9045	0	425	3	0	0	12488	0	1109	320
14.Value of Products & By-products'	27399	4721	3542	56	2175	1570	16862	125	133	707
15.Total Output	30146	4880	4956	56	2262	1954	17996	129	857	1128
16.Fuel Consumed	2058	131	107	1	35	101	2070	4	84	135
17.Materials Consumed for Manufacturing	14574	2900	2288	29	1468	1296	10379	96	95	524
18.Total Input	21657	4001	2880	34	1734	1516	13799	109	372	741
19.Gross Value Added (GVA)	8489	878	2076	22	528	438	4197	20	485	387
20.Depreciation	1979	162	80	1	32	31	628	6	69	45
21.Net Value Added (NVA)	6511	716	1996	21	496	407	3569	15	416	342
22.Net Fixed Capital Formation(NFCF)	-1350	-150	44	-1	85	-3	-95	3	-44	-35
23.Gross Fixed Capital Formation (GFCF)	629	11	124	0	117	28	533	9	25	10
24.Addition in stock of:	-76	37	-217	2	5	-58	-407	-32	-4	-16
(a) Materials, Fuels etc.	92	46	-142	3	-4	-56	-533	3	-5	-15
(b) Semi-Finished Goods	74	0	-42	0	-6	0	37	-11	0	0
(c) Finished Goods	-241	-9	-33	0	15	-2	88	-23	1	0
25.Gross Capital Formation	554	48	-93	2	122	-30	125	-23	21	-6
26.Net Income	4870	507	1860	20	493	402	3059	15	408	301
27.Profit	-1428	-28	35	-1	139	191	504	-8	44	150

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
 (Values in ₹lakhs unless otherwise mentioned)

District: Kannur

Characteristics	202	210	221	222	239	241	251	259	261	271
1.Number of factories	3	8	7	27	53	2	7	3	1	0
2.Factories in operation	3	5	4	24	41	2	4	3	1	0
3. Fixed Capital	1545	804	1552	4580	2033	296	245	6	792	0
4.Physical Working Capital	856	512	80	3295	1171	660	291	53	1748	0
5.Working Capital	692	2183	64	3497	275	564	152	11	851	0
6.Invested Capital	2401	1316	1632	7875	3203	956	537	59	2541	0
7.Gross Value of Additions to Fixed Capital	485	147	0	1900	118	4	96	0	314	0
8.Rent Paid	27	3	1	16	9	0	8	1	0	0
9.Outstanding Loan	54	192	331	4223	307	2348	567	0	2075	0
10.Interest paid	14	78	0	486	268	173	56	3	389	0
11.Rent received	0	0	0	0	1	0	0	0	0	0
12.Interest received	2	28	0	10	67	7	3	0	21	0
13.Gross Value of P & M	1876	532	0	76	1383	424	0	0	2902	0
14.Value of Products & By-products'	10697	3131	534	16469	4115	1727	2361	43	5184	0
15.Total Output	10773	3288	1542	17608	4810	2726	2380	51	5990	0
16.Fuel Consumed	113	42	435	652	392	159	18	2	186	0
17.Materials Consumed for Manufacturing	7034	2228	447	11921	1773	1768	1788	32	2937	0
18.Total Input	8974	2857	1006	13752	3026	2811	1926	36	4012	0
19.Gross Value Added (GVA)	1799	430	536	3856	1784	-86	454	15	1977	0
20.Depreciation	237	127	168	751	356	46	29	1	71	0
21.Net Value Added (NVA)	1562	303	368	3106	1428	-132	425	14	1907	0
22.Net Fixed Capital Formation(NFCF)	249	7	-167	1129	-450	-42	66	-1	243	0
23.Gross Fixed Capital Formation (GFCF)	485	134	0	1880	-94	4	96	0	314	0
24.Addition in stock of:	152	-32	64	156	-40	245	-8	15	-115	0
(a) Materials, Fuels etc.	67	15	16	42	-85	-101	-98	10	77	0
(b) Semi-Finished Goods	58	17	26	4	23	0	15	3	-41	0
(c) Finished Goods	27	-64	22	110	21	347	75	2	-151	0
25.Gross Capital Formation	638	102	64	2035	-134	250	87	15	199	0
26.Net Income	1523	251	367	2614	1220	-298	364	10	1538	0
27.Profit	1060	-820	-27	1636	-44	-328	21	4	-47	0

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
 (Values in ₹lakhs unless otherwise mentioned)

District: Kannur

Characteristics	273	282	292	301	310	321	323	352	452	454
1.Number of factories	1	4	1	2	20	1	1	1	33	1
2.Factories in operation	1	4	1	2	17	1	1	1	27	1
3. Fixed Capital	228	15	13	167	2707	40	81	228	4605	32
4.Physical Working Capital	169	60	41	3085	2234	4	24	23	1052	0
5.Working Capital	64	-26	35	-261	2675	4	196	-85	-1212	2
6.Invested Capital	398	76	54	3252	4940	44	105	251	5657	32
7.Gross Value of Additions to Fixed Capital	4	6	0	39	433	0	1	49	1171	1
8.Rent Paid	3	1	0	4	40	0	0	1	168	0
9.Outstanding Loan	92	3	32	103	5007	3	14	0	2302	0
10.Interest paid	42	3	0	2	361	0	4	0	314	0
11.Rent received	0	0	0	0	0	0	0	0	0	0
12.Interest received	18	1	0	22	5	0	16	1	10	0
13.Gross Value of P & M	58	8	0	54	2589	0	168	0	879	0
14.Value of Products & By-products'	695	258	39	-2204	15480	183	199	1048	283	0
15.Total Output	751	283	50	-2159	16108	183	199	1229	7611	125
16.Fuel Consumed	2	4	1	5	949	1	9	21	212	1
17.Materials Consumed for Manufacturing	432	172	28	324	9561	166	92	853	1172	1
18.Total Input	552	187	35	469	12455	167	123	1058	5197	83
19.Gross Value Added (GVA)	199	96	15	-2628	3653	16	76	171	2414	42
20.Depreciation	25	2	1	9	248	3	11	50	500	4
21.Net Value Added (NVA)	174	95	14	-2637	3405	13	65	121	1914	38
22.Net Fixed Capital Formation(NFCF)	-21	5	-1	30	-417	-3	-10	-2	614	-3
23.Gross Fixed Capital Formation (GFCF)	4	6	0	39	-169	0	1	48	1114	1
24.Addition in stock of:	-228	-26	21	550	12	4	9	14	113	0
(a) Materials, Fuels etc.	10	-14	21	-80	246	3	9	14	111	0
(b) Semi-Finished Goods	-39	-18	0	-2240	197	0	0	0	0	0
(c) Finished Goods	-199	6	0	2870	-430	1	0	0	2	0
25.Gross Capital Formation	-224	-20	21	589	-157	4	10	62	1227	1
26.Net Income	148	92	14	-2621	3010	13	77	121	1443	38
27.Profit	4	22	3	-2851	938	6	22	87	296	20

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakhs unless otherwise mentioned)

District:Wayanad	All	101	105	107	152	161	162	170	181	201	202	210
Characteristics												
1.Number of factories	63	1	3	26	1	3	3	1	2	1	3	1
2.Factories in operation	61	1	3	26	1	3	3	1	2	1	3	1
3. Fixed Capital	12560	1166	2015	5726	1014	62	114	40	120	260	382	19
4.Physical Working Capital	3495	75	659	1050	653	196	52	0	23	293	138	32
5.Working Capital	4808	108	-282	4056	74	54	5	0	-14	161	220	38
6.Invested Capital	16055	1241	2674	6777	1667	257	166	40	143	554	520	50
7.Gross Value of Additions to Fixed Capital	1372	44	554	299	187	36	10	0	0	13	88	0
8.Rent Paid	190	0	16	88	19	0	1	0	3	0	1	0
9.Outstanding Loan	13971	1660	6	10326	1078	28	123	0	100	0	251	0
10.Interest paid	492	38	1	94	200	10	26	0	17	19	14	0
11.Rent received	4	0	1	0	0	0	0	0	3	0	0	0
12.Interest received	33	0	20	2	2	0	0	0	2	0	3	0
13.Gross Value of P & M	6573	0	2139	1406	717	0	0	0	36	0	956	0
14.Value of Products & By-products'	57501	590	26985	21857	3545	163	228	0	156	573	550	51
15.Total Output	68575	750	28522	29205	3641	268	285	0	156	573	620	271
16.Fuel Consumed	2782	38	281	2122	33	7	20	0	3	5	22	4
17.Materials Consumed for Manufacturing	43198	616	23585	14199	2246	135	161	0	89	460	408	22
18.Total Input	57250	853	26659	22190	2828	207	215	0	129	485	500	233
19.Gross Value Added (GVA)	11325	-103	1863	7015	813	61	70	0	27	88	120	37
20.Depreciation	1384	157	218	402	199	10	18	4	21	34	71	3
21.Net Value Added (NVA)	9940	-260	1646	6613	614	52	52	-4	7	54	49	35
22.Net Fixed Capital Formation(NFCF)	-285	-113	231	-132	-122	20	-8	-4	-21	-22	-2	-3
23.Gross Fixed Capital Formation (GFCF)	1100	44	448	270	77	29	10	0	0	13	69	0
24.Addition in stock of:	64	17	233	-274	-22	17	2	0	1	128	-45	-9
(a) Materials, Fuels etc.	212	0	127	-38	71	50	-4	0	1	42	-18	-13
(b) Semi-Finished Goods	-20	0	-16	-14	34	0	0	0	0	0	-24	0
(c) Finished Goods	-128	17	122	-222	-127	-34	6	0	0	86	-3	4
25.Gross Capital Formation	1163	62	681	-4	55	46	13	0	1	141	24	-9
26.Net Income	9295	-298	1649	6433	396	42	24	-4	-9	36	37	34
27.Profit	3666	-419	777	3122	52	10	-31	-4	-34	17	-72	6

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakhs unless otherwise mentioned)

District:Wayanad		
Characteristics	239	452
1.Number of factories	11	7
2.Factories in operation	11	5
3. Fixed Capital	1353	289
4.Physical Working Capital	136	188
5.Working Capital	-50	438
6.Invested Capital	1489	477
7.Gross Value of Additions to Fixed Capital	102	39
8.Rent Paid	11	51
9.Outstanding Loan	267	133
10.Interest paid	71	1
11.Rent received	0	0
12.Interest received	4	0
13.Gross Value of P & M	1261	58
14.Value of Products & By-products'	2802	0
15.Total Output	2847	1437
16.Fuel Consumed	224	23
17.Materials Consumed for Manufacturing	1252	25
18.Total Input	1944	1008
19.Gross Value Added (GVA)	902	430
20.Depreciation	190	58
21.Net Value Added (NVA)	712	371
22.Net Fixed Capital Formation(NFCF)	-89	-21
23.Gross Fixed Capital Formation (GFCCF)	102	37
24.Addition in stock of:	7	9
(a) Materials, Fuels etc.	-21	14
(b) Semi-Finished Goods	0	0
(c) Finished Goods	27	-5
25.Gross Capital Formation	109	46
26.Net Income	634	320
27.Profit	312	-69

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Kozhikode	All	103	104	105	106	107	108	110
Characteristics	All	103	104	105	106	107	108	110
1.Number of factories	525	8	10	7	8	8	1	3
2.Factories in operation	402	3	10	7	5	6	1	3
3. Fixed Capital	100018	72	5014	3506	2331	238	59	706
4.Physical Working Capital	56329	40	5176	621	18536	77	5	200
5.Working Capital	1377	44	-2046	-5168	679	120	521	581
6.Invested Capital	156347	113	10190	4127	20867	315	64	906
7.Gross Value of Additions to Fixed Capital	11769	2	69	1065	381	11	0	149
8.Rent Paid	1600	5	0	20	18	3	0	19
9.Outstanding Loan	39800	560	0	1727	2858	26	119	85
10.Interest paid	6270	8	190	42	310	3	0	43
11.Rent received	206	0	0	6	7	0	0	0
12.Interest received	515	0	0	27	198	4	0	35
13.Gross Value of P & M	78104	92	0	4141	1811	0	222	219
14.Value of Products & By-products'	358221	70	79311	28621	25028	1184	673	691
15.Total Output	461028	70	80549	33067	60527	1188	677	1668
16.Fuel Consumed	10346	1	444	471	582	55	31	40
17.Materials Consumed for Manufacturing	238295	62	74737	25714	23340	812	633	460
18.Total Input	333620	77	77155	31402	57926	924	703	990
19.Gross Value Added (GVA)	127409	-8	3394	1665	2601	264	-26	677
20.Depreciation	12117	13	267	464	386	30	8	80
21.Net Value Added (NVA)	115292	-21	3127	1202	2215	233	-34	597
22.Net Fixed Capital Formation(NFCF)	-3219	-11	-199	571	-25	-19	-14	69
23.Gross Fixed Capital Formation (GFCF)	8898	2	68	1034	361	11	-6	149
24.Addition in stock of:	8948	-9	864	-667	6994	-42	-47	18
(a) Materials, Fuels etc.	8475	-17	550	-579	7005	-17	-30	14
(b) Semi-Finished Goods	149	0	0	-93	0	-22	0	0
(c) Finished Goods	324	8	314	5	-11	-4	-17	4
25.Gross Capital Formation	17845	-6	932	367	7355	-32	-54	167
26.Net Income	108142	-34	2937	1173	2093	231	-34	569
27.Profit	70530	-50	1728	-320	1380	119	-63	52

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Kozhikode	120	131	139	141	152	161	162	170
Characteristics								
1.Number of factories	17	22	9	2	115	45	22	13
2.Factories in operation	11	22	9	2	86	32	18	7
3. Fixed Capital	11	2041	102	128	14029	116	57	172
4.Physical Working Capital	19	586	6	306	9155	8	53	84
5.Working Capital	-21	-4534	20	346	8379	-100	272	109
6.Invested Capital	31	2627	109	434	23183	124	109	256
7.Gross Value of Additions to Fixed Capital	0	2	0	15	3128	0	0	0
8.Rent Paid	3	0	0	30	311	0	9	2
9.Outstanding Loan	114	4614	99	118	3095	4	13	15
10.Interest paid	0	443	0	26	1298	0	8	14
11.Rent received	0	7	0	0	9	0	0	1
12.Interest received	0	9	1	0	54	0	0	0
13.Gross Value of P & M	0	2720	0	100	9243	0	0	0
14.Value of Products & By-products'	45	942	46	1585	71714	290	2058	783
15.Total Output	399	1042	63	1595	75040	457	2061	818
16.Fuel Consumed	5	156	2	18	849	30	23	29
17.Materials Consumed for Manufacturing	41	445	17	810	43979	220	1698	565
18.Total Input	201	754	36	1160	55365	316	1771	630
19.Gross Value Added (GVA)	199	288	27	435	19675	141	289	188
20.Depreciation	1	615	2	17	2344	14	9	27
21.Net Value Added (NVA)	198	-328	25	418	17331	127	280	161
22.Net Fixed Capital Formation(NFCF)	-1	-613	-2	-5	345	-14	-9	-27
23.Gross Fixed Capital Formation (GFCF)	0	2	0	12	2689	0	0	0
24.Addition in stock of:	-1	120	-5	-216	-833	-4	-33	-65
(a) Materials, Fuels etc.	-1	58	1	-111	-48	0	-11	-71
(b) Semi-Finished Goods	0	6	0	0	231	0	0	0
(c) Finished Goods	0	57	-6	-105	-1015	-4	-22	5
25.Gross Capital Formation	-1	123	-5	-204	1856	-4	-33	-65
26.Net Income	196	-755	26	362	15784	126	263	145
27.Profit	8	-1472	-8	53	7047	22	109	58

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Kozhikode	181	201	202	210	221	222	239	241
Characteristics								
1.Number of factories	15	3	4	9	11	13	53	7
2.Factories in operation	8	2	4	9	11	10	30	7
3. Fixed Capital	46	51	518	326	4860	145	12713	8851
4.Physical Working Capital	25	220	508	236	1201	447	2055	2157
5.Working Capital	142	746	492	302	1398	748	935	-5646
6.Invested Capital	72	271	1026	562	6061	591	14768	11008
7.Gross Value of Additions to Fixed Capital	6	1	3	88	115	0	46	1151
8.Rent Paid	2	27	4	1	61	0	165	3
9.Outstanding Loan	15	0	42	550	3402	15	3080	4367
10.Interest paid	4	0	12	21	250	24	252	1001
11.Rent received	0	0	0	0	155	0	1	7
12.Interest received	0	0	1	0	26	0	7	99
13.Gross Value of P & M	69	25	639	195	248	0	255	8762
14.Value of Products & By-products'	566	612	3094	1151	9636	921	56718	16351
15.Total Output	570	678	3135	1181	10194	951	57697	18996
16.Fuel Consumed	12	22	35	48	185	95	729	2713
17.Materials Consumed for Manufacturing	228	433	2494	576	5297	613	4145	12610
18.Total Input	388	564	2726	865	7184	763	6897	17984
19.Gross Value Added (GVA)	183	114	409	316	3010	187	50800	1013
20.Depreciation	11	11	77	29	199	22	446	672
21.Net Value Added (NVA)	172	104	332	287	2811	166	50354	340
22.Net Fixed Capital Formation(NFCF)	-5	-10	-74	59	-86	-22	-409	-281
23.Gross Fixed Capital Formation (GFCF)	6	1	3	88	113	0	37	391
24.Addition in stock of:	-2	3	198	-108	378	103	46	-854
(a) Materials, Fuels etc.	-3	-11	197	-29	-42	102	-136	-1309
(b) Semi-Finished Goods	0	0	-7	-22	0	0	77	0
(c) Finished Goods	2	14	8	-58	420	0	105	456
25.Gross Capital Formation	4	3	201	-21	491	103	83	-462
26.Net Income	167	77	317	266	2681	141	49945	-558
27.Profit	2	-13	-50	55	1870	45	46690	-1394

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Kozhikode	243	251	259	272	275	279	282	303
Characteristics								
1.Number of factories	3	1	1	3	1	1	5	1
2.Factories in operation	3	1	1	3	1	1	5	1
3. Fixed Capital	8612	1025	20	126	6	108	157	527
4.Physical Working Capital	2355	316	15	445	3	75	88	44
5.Working Capital	3693	-187	14	326	5	239	435	-595
6.Invested Capital	10967	1341	35	571	9	183	245	571
7.Gross Value of Additions to Fixed Capital	3030	173	0	40	6	5	86	0
8.Rent Paid	24	5	0	0	0	0	0	0
9.Outstanding Loan	678	532	6	266	8	0	84	929
10.Interest paid	300	65	1	45	0	0	3	51
11.Rent received	0	0	0	0	0	0	0	0
12.Interest received	12	1	0	0	0	1	1	0
13.Gross Value of P & M	6229	839	0	39	7	143	0	0
14.Value of Products & By-products'	17415	7539	15	782	0	758	724	184
15.Total Output	17846	7542	37	1039	9	867	736	398
16.Fuel Consumed	1733	259	3	28	0	2	16	26
17.Materials Consumed for Manufacturing	7722	6590	9	728	0	505	392	16
18.Total Input	12585	6946	33	849	6	580	534	319
19.Gross Value Added (GVA)	5261	596	4	190	3	287	202	78
20.Depreciation	590	46	0	17	1	16	19	81
21.Net Value Added (NVA)	4671	550	4	173	2	271	183	-3
22.Net Fixed Capital Formation(NFCF)	1173	114	0	23	5	-11	63	-81
23.Gross Fixed Capital Formation (GFCF)	1763	160	0	40	6	5	82	0
24.Addition in stock of:	-875	147	-13	-5	-1	22	-37	9
(a) Materials, Fuels etc.	-632	-69	-4	20	-1	29	10	6
(b) Semi-Finished Goods	0	0	0	-13	0	-7	-46	0
(c) Finished Goods	-243	216	-8	-12	0	0	-1	3
25.Gross Capital Formation	888	307	-13	35	6	26	45	9
26.Net Income	4359	481	3	127	2	272	181	-53
27.Profit	2477	282	0	25	1	121	31	-122

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Kozhikode	310	325	329	331	383	452	454	581	829
Characteristics									
1.Number of factories	10	1	1	1	1	70	1	17	2
2.Factories in operation	8	1	0	1	1	54	1	17	2
3. Fixed Capital	619	26	0	0	11	12505	36	20148	1
4.Physical Working Capital	346	36	0	0	17	4497	42	6321	8
5.Working Capital	-96	365	0	1	-19	1462	41	-2608	-17
6.Invested Capital	965	62	0	0	28	17001	78	26470	9
7.Gross Value of Additions to Fixed Capital	43	2	0	0	0	412	0	1741	0
8.Rent Paid	0	8	0	0	0	567	0	313	0
9.Outstanding Loan	531	0	0	0	0	7508	0	4338	0
10.Interest paid	53	0	0	0	8	74	0	1720	0
11.Rent received	0	0	0	0	0	0	0	13	0
12.Interest received	0	0	0	0	0	5	0	33	0
13.Gross Value of P & M	114	169	0	0	0	785	0	41038	0
14.Value of Products & By-products'	206	212	0	0	0	171	0	28099	24
15.Total Output	232	875	0	15	221	15443	122	63001	24
16.Fuel Consumed	11	7	0	0	1	460	3	1220	2
17.Materials Consumed for Manufacturing	181	44	0	1	4	444	1	21719	12
18.Total Input	211	262	0	2	203	10170	75	34046	15
19.Gross Value Added (GVA)	21	612	0	12	18	5273	46	28955	9
20.Depreciation	68	6	0	0	0	1090	3	4433	0
21.Net Value Added (NVA)	-47	606	0	12	18	4183	44	24521	9
22.Net Fixed Capital Formation(NFCF)	-25	-4	0	0	0	-920	-3	-2769	0
23.Gross Fixed Capital Formation (GFCF)	43	2	0	0	0	170	0	1665	0
24.Addition in stock of:	85	-4	0	0	0	2624	11	1151	-2
(a) Materials, Fuels etc.	-130	-4	0	0	0	2624	11	1104	1
(b) Semi-Finished Goods	0	0	0	0	0	0	0	45	0
(c) Finished Goods	215	0	0	0	0	0	0	3	-3
25.Gross Capital Formation	129	-2	0	0	0	2794	11	2816	-2
26.Net Income	-101	598	0	12	10	3547	44	22534	9
27.Profit	-164	524	0	1	-39	688	14	10825	-4

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹ lakhs unless otherwise mentioned)

District: Malappuram

Characteristics	All	103	104	105	106	107	110
1.Number of factories	274	7	8	7	8	11	2
2.Factories in operation	258	7	8	7	8	11	2
3. Fixed Capital	43630	2265	2516	1214	1086	1451	171
4.Physical Working Capital	44656	201	9776	406	1061	796	19
5.Working Capital	18309	86	1945	258	-527	637	1
6.Invested Capital	88286	2466	12291	1620	2148	2246	190
7.Gross Value of Additions to Fixed Capital	8675	1093	132	253	407	102	11
8.Rent Paid	595	3	0	2	1	0	0
9.Outstanding Loan	17402	1814	1696	744	389	762	5
10.Interest paid	2593	104	200	31	195	14	0
11.Rent received	18	0	0	1	11	0	0
12.Interest received	245	0	107	1	44	1	0
13.Gross Value of P & M	39119	12	3150	844	612	903	0
14.Value of Products & By-products'	233085	2576	37054	3367	7536	8700	39
15.Total Output	318484	2699	72797	3621	20182	9896	40
16.Fuel Consumed	7568	34	758	130	240	318	4
17.Materials Consumed for Manufacturing	191162	2454	36614	2375	6508	6188	32
18.Total Input	276492	2662	70372	2898	19372	7457	37
19.Gross Value Added (GVA)	41992	36	2424	724	810	2439	2
20.Depreciation	6187	163	386	186	133	236	22
21.Net Value Added (NVA)	35805	-127	2038	538	677	2204	-20
22.Net Fixed Capital Formation(NFCF)	1310	929	-261	61	166	-248	-11
23.Gross Fixed Capital Formation (GFCF)	7497	1093	125	247	299	-13	11
24.Addition in stock of:	7023	106	2628	42	-259	-33	1
(a) Materials, Fuels etc.	7197	122	4224	-15	-238	-28	-10
(b) Semi-Finished Goods	792	1	3	41	0	12	0
(c) Finished Goods	-966	-17	-1599	17	-21	-18	11
25.Gross Capital Formation	14520	1198	2753	289	40	-45	12
26.Net Income	32880	-234	1945	507	537	2191	-20
27.Profit	13095	-291	1076	137	161	1262	-26

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹ lakhs unless otherwise mentioned)

District: Malappuram

Characteristics	120	131	139	152	161	162	170	181
1.Number of factories	27	5	1	29	12	13	6	2
2.Factories in operation	18	5	1	29	12	10	6	2
3. Fixed Capital	7	3479	421	3267	55	166	109	1298
4.Physical Working Capital	78	495	120	4434	40	32	121	173
5.Working Capital	446	-7193	-153	2561	48	-7	172	191
6.Invested Capital	85	3974	541	7701	95	198	230	1472
7.Gross Value of Additions to Fixed Capital	0	827	75	1115	0	0	16	10
8.Rent Paid	0	0	0	110	0	0	3	31
9.Outstanding Loan	13	7904	312	1071	0	117	136	0
10.Interest paid	0	792	74	369	0	0	12	6
11.Rent received	4	0	0	0	0	0	0	0
12.Interest received	0	2	0	10	0	0	0	3
13.Gross Value of P & M	0	5404	0	4306	0	0	0	2384
14.Value of Products & By-products'	469	3233	1739	22272	279	221	438	1785
15.Total Output	469	3239	1794	22627	351	287	444	2531
16.Fuel Consumed	17	583	20	491	19	30	12	67
17.Materials Consumed for Manufacturing	407	1952	1494	16629	230	169	325	567
18.Total Input	436	2677	1642	19218	273	226	355	1217
19.Gross Value Added (GVA)	33	562	151	3408	78	61	89	1313
20.Depreciation	1	253	63	763	3	17	16	243
21.Net Value Added (NVA)	33	309	89	2646	75	44	73	1071
22.Net Fixed Capital Formation(NFCF)	-1	410	13	298	-3	-17	0	-233
23.Gross Fixed Capital Formation (GFCF)	0	663	75	1060	0	0	16	10
24.Addition in stock of:	-14	44	-105	382	-1	-9	-39	-56
(a) Materials, Fuels etc.	0	58	-71	15	-2	-1	-5	-56
(b) Semi-Finished Goods	0	71	8	398	0	0	0	0
(c) Finished Goods	-14	-85	-42	-30	1	-9	-34	0
25.Gross Capital Formation	-14	707	-29	1442	-1	-9	-24	-46
26.Net Income	37	-481	15	2177	75	44	59	1037
27.Profit	6	-1909	-13	54	19	-5	5	621

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹ lakhs unless otherwise mentioned)

District: Malappuram

Characteristics	192	201	210	221	222	239	259	261	271	273
1.Number of factories	1	1	14	9	15	24	3	1	1	1
2.Factories in operation	1	1	14	9	15	19	3	1	1	1
3. Fixed Capital	1486	164	3579	1595	851	7044	941	196	633	63
4.Physical Working Capital	1266	0	8014	963	592	1544	381	333	227	221
5.Working Capital	1266	-44	12515	388	156	915	-553	473	-103	241
6.Invested Capital	2753	165	11593	2558	1443	8588	1322	529	861	284
7.Gross Value of Additions to Fixed Capital	566	30	580	322	20	240	934	124	695	9
8.Rent Paid	0	0	11	75	3	110	2	1	0	1
9.Outstanding Loan	0	103	138	228	917	29	216	329	0	204
10.Interest paid	0	13	29	118	35	30	10	107	0	10
11.Rent received	0	0	0	1	0	0	0	0	0	0
12.Interest received	0	1	2	6	0	52	1	5	0	0
13.Gross Value of P & M	2354	0	420	2284	580	10616	453	365	0	66
14.Value of Products & By-products'	60118	141	27198	4231	2946	10934	460	1120	926	244
15.Total Output	60118	142	29880	8083	3555	10939	522	1286	1202	725
16.Fuel Consumed	145	66	1099	1085	215	1274	16	7	17	8
17.Materials Consumed for Manufacturing	58231	33	13157	3585	2238	3961	369	429	873	202
18.Total Input	58907	106	17859	6023	3273	5948	480	575	951	637
19.Gross Value Added (GVA)	1210	36	12021	2060	282	4991	42	711	251	88
20.Depreciation	243	27	372	193	82	1519	10	20	121	11
21.Net Value Added (NVA)	967	9	11650	1866	200	3472	32	691	131	77
22.Net Fixed Capital Formation(NFCF)	322	3	203	129	-66	-1278	924	104	-105	-2
23.Gross Fixed Capital Formation (GFCF)	566	30	575	322	16	240	934	124	16	9
24.Addition in stock of:	477	0	-124	-155	-38	79	294	168	227	37
(a) Materials, Fuels etc.	374	0	-3	-21	-52	-116	215	1	86	29
(b) Semi-Finished Goods	0	0	97	0	13	-55	44	40	27	4
(c) Finished Goods	103	0	-218	-134	1	249	34	127	114	4
25.Gross Capital Formation	1042	30	450	167	-22	319	1228	292	243	45
26.Net Income	967	-2	11611	1680	163	3384	20	588	131	66
27.Profit	-17	-13	8526	761	-309	382	-18	184	-6	31

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹ lakhs unless otherwise mentioned)

District: Malappuram

Characteristics	303	310	321	352	452	454	581
1.Number of factories	1	16	1	1	43	3	1
2.Factories in operation	1	16	1	1	43	3	1
3. Fixed Capital	667	169	21	665	7504	138	410
4.Physical Working Capital	7	6250	334	11	6683	1	73
5.Working Capital	57	870	257	11	3241	-9	163
6.Invested Capital	673	6419	355	676	14187	140	483
7.Gross Value of Additions to Fixed Capital	0	15	0	0	1080	17	3
8.Rent Paid	0	5	1	0	230	4	2
9.Outstanding Loan	0	84	185	0	7	0	0
10.Interest paid	0	30	0	0	414	0	0
11.Rent received	0	0	0	0	0	0	0
12.Interest received	0	0	0	0	9	0	0
13.Gross Value of P & M	300	0	0	883	3156	27	0
14.Value of Products & By-products'	0	10530	572	0	22873	0	1085
15.Total Output	123	10626	577	61	47898	173	1599
16.Fuel Consumed	14	104	3	6	753	8	24
17.Materials Consumed for Manufacturing	10	8957	536	0	21700	2	935
18.Total Input	47	9268	539	34	41770	55	1176
19.Gross Value Added (GVA)	76	1358	38	27	6128	119	423
20.Depreciation	23	24	0	72	902	18	67
21.Net Value Added (NVA)	53	1334	37	-45	5227	100	356
22.Net Fixed Capital Formation(NFCF)	-23	-9	0	-72	149	-5	-64
23.Gross Fixed Capital Formation (GFCF)	0	15	0	0	1050	13	3
24.Addition in stock of:	-3	844	283	-1	2254	0	-6
(a) Materials, Fuels etc.	-3	445	0	-1	2254	0	-6
(b) Semi-Finished Goods	0	88	0	0	0	0	0
(c) Finished Goods	0	311	283	0	0	0	0
25.Gross Capital Formation	-3	859	284	-1	3305	13	-3
26.Net Income	53	1298	36	-45	4591	96	354
27.Profit	15	973	24	-93	1575	24	-41

Table 1.5:Distribution of selected characteristics of the factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Palakkad

Characteristics	All	102	103	104	105	106	107	108	110	131	139
1.Number of factories	494	1	2	8	6	34	18	1	14	9	1
2.Factories in operation	476	1	2	8	6	30	15	1	14	9	1
3. Fixed Capital	182899	654	140	1455	3508	5405	3358	2005	15999	13882	94
4.Physical Working Capital	124237	467	99	6837	1166	6758	11051	422	5104	7826	0
5.Working Capital	157150	-264	360	6731	-2233	3133	13520	301	19710	-2010	0
6.Invested Capital	307136	1122	239	8292	4674	12163	14409	2427	21102	21709	94
7.Gross Value of Additions to Fixed Capital	31080	112	7	292	151	393	880	172	5274	2530	0
8.Rent Paid	1196	1	0	139	12	33	5	1	19	56	0
9.Outstanding Loan	569201	107	329	186	562	3725	2761	1603	2141	6232	0
10.Interest paid	13128	40	27	57	115	510	12	7	208	2171	0
11.Rent received	47	0	0	0	0	3	0	0	0	5	0
12.Interest received	2014	1	16	1	8	27	15	2	230	79	0
13.Gross Value of P & M	167291	578	75	2162	2407	1671	3815	0	18946	32346	0
14.Value of Products & By-products'	663159	3464	173	41482	21848	25437	26990	10027	39554	40059	0
15.Total Output	766992	3464	181	42084	34750	45628	27206	12538	40779	51408	0
16.Fuel Consumed	48210	77	2	280	460	925	944	158	1187	3623	0
17.Materials Consumed for Manufacturing	486325	3128	103	33455	24193	18455	15910	9713	25564	29818	0
18.Total Input	640698	3246	140	36436	31358	38628	20058	12484	32764	42165	1
19.Gross Value Added (GVA)	126294	218	41	5648	3392	7000	7148	53	8016	9243	-1
20.Depreciation	17086	101	18	80	498	546	360	68	1868	1662	7
21.Net Value Added (NVA)	109208	117	22	5568	2894	6454	6788	-14	6148	7581	-7
22.Net Fixed Capital Formation(NFCF)	10837	10	-24	415	-348	-156	473	63	1292	19	-7
23.Gross Fixed Capital Formation (GFCF)	27923	112	-6	495	150	389	833	131	3159	1681	0
24.Addition in stock of:	9172	341	21	5528	185	1450	2230	-130	-1368	-1406	0
(a) Materials, Fuels etc.	8907	-8	10	5434	127	1146	2117	-80	-877	-163	0
(b) Semi-Finished Goods	959	0	0	20	-18	118	0	0	-23	-103	0
(c) Finished Goods	-694	349	11	74	76	186	113	-50	-468	-1140	0
25.Gross Capital Formation	37095	453	16	6022	335	1840	3063	1	1791	275	0
26.Net Income	96946	77	11	5373	2774	5942	6786	-20	6152	5438	-7
27.Profit	45023	36	-5	4618	1615	4534	3221	-658	1776	38	-8

Table 1.5:Distribution of selected characteristics of the factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Palakkad

Characteristics	141	143	161	162	170	181	192	201	202	203	210	221
1.Number of factories	10	1	32	24	8	4	5	9	16	1	18	33
2.Factories in operation	10	1	32	21	6	4	5	9	16	1	18	33
3. Fixed Capital	799	394	230	307	1772	281	4067	4526	66	59	3322	15609
4.Physical Working Capital	224	0	50	99	222	253	518	450	71	90	3092	12292
5.Working Capital	138	6	391	358	-625	1177	227	-880	219	197	1446	5431
6.Invested Capital	1023	394	279	406	1994	534	4586	4977	137	149	6415	27900
7.Gross Value of Additions to Fixed Capital	725	0	0	0	148	42	477	1759	8	0	775	3150
8.Rent Paid	5	0	17	8	0	5	0	19	2	0	3	15
9.Outstanding Loan	928	0	135	90	55	72	864	848	0	7	1457	8453
10.Interest paid	114	0	24	0	46	1	47	83	17	0	288	869
11.Rent received	0	0	0	0	0	1	0	0	0	0	0	0
12.Interest received	0	0	0	0	10	64	6	31	0	0	4	363
13.Gross Value of P & M	0	413	0	0	1006	30	2315	2085	0	202	771	12295
14.Value of Products & By-products'	282	0	3012	2004	3552	1159	29499	22422	1361	1189	7985	65164
15.Total Output	1207	207	3165	2026	3563	1480	29941	22473	1373	1198	9601	66959
16.Fuel Consumed	6	9	46	64	657	18	208	180	29	92	190	2796
17.Materials Consumed for Manufacturing	221	0	2419	1514	2259	607	18458	19578	1059	977	3900	50685
18.Total Input	1045	21	2758	1725	3084	1040	18934	20477	1155	1080	6043	58595
19.Gross Value Added (GVA)	162	186	407	301	479	440	11007	1996	218	118	3558	8364
20.Depreciation	7	7	17	29	95	36	106	227	5	10	400	1061
21.Net Value Added (NVA)	156	179	390	272	384	404	10901	1769	213	108	3157	7303
22.Net Fixed Capital Formation(NFCF)	686	-7	-37	-29	53	6	330	1520	4	-10	311	2073
23.Gross Fixed Capital Formation (GFCF)	693	0	-20	0	148	42	436	1747	8	0	712	3134
24.Addition in stock of:	96	-151	-27	-111	-32	36	253	-29	4	34	626	3002
(a) Materials, Fuels etc.	96	-151	1	-115	-29	11	-65	85	-1	10	349	2954
(b) Semi-Finished Goods	0	0	0	0	22	41	3	-36	0	0	-125	53
(c) Finished Goods	0	0	-28	5	-25	-16	316	-78	5	23	402	-6
25.Gross Capital Formation	789	-151	-47	-111	115	78	689	1718	12	34	1337	6136
26.Net Income	37	179	349	264	348	463	10860	1698	194	108	2871	6783
27.Profit	-23	1	74	78	-74	121	10377	1246	59	98	1070	2936

Table 1.5:Distribution of selected characteristics of the factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Palakkad

Characteristics	222	239	241	242	243	251	259	261	263	265	266
1.Number of factories	27	51	42	3	7	6	30	3	2	1	1
2.Factories in operation	27	51	38	3	7	6	30	3	2	1	1
3. Fixed Capital	6820	42967	22998	3721	2837	2208	1656	133	11325	1082	347
4.Physical Working Capital	1901	18567	31880	2976	643	825	803	226	1926	1722	2467
5.Working Capital	2087	30327	-3151	6677	-226	-278	700	193	56416	7681	1702
6.Invested Capital	8721	61534	54878	6697	3480	3034	2459	359	13251	2803	2814
7.Gross Value of Additions to Fixed Capital	2263	6082	3115	257	150	361	68	58	697	123	30
8.Rent Paid	45	355	29	59	4	71	0	2	30	0	7
9.Outstanding Loan	3719	19330	43946	253	1250	764	5240	352	450183	12128	0
10.Interest paid	487	1359	3101	781	146	485	480	44	1250	54	0
11.Rent received	0	32	2	0	0	0	0	0	4	0	0
12.Interest received	53	705	245	40	1	3	2	0	10	5	0
13.Gross Value of P & M	4689	29757	21779	6229	1961	1044	464	135	16373	1768	0
14.Value of Products & By-products'	21323	90321	147090	11992	5720	11088	2772	474	9739	5575	3761
15.Total Output	21592	91184	153759	12571	6059	11621	3409	487	35593	5613	3823
16.Fuel Consumed	935	11593	19403	3013	141	93	321	5	217	76	17
17.Materials Consumed for Manufacturing	15821	44874	126931	6604	5100	9967	1391	326	3656	3015	2986
18.Total Input	18456	62999	157158	10514	5535	10557	2547	356	18167	3695	3288
19.Gross Value Added (GVA)	3136	28184	-3399	2057	524	1064	862	131	17426	1918	535
20.Depreciation	517	3616	3178	511	376	164	107	19	438	125	39
21.Net Value Added (NVA)	2618	24568	-6577	1546	148	899	755	112	16989	1793	497
22.Net Fixed Capital Formation(NFCF)	1730	1970	420	-254	-227	171	-52	39	259	-2	-8
23.Gross Fixed Capital Formation (GFCF)	2248	5586	3598	257	148	335	55	58	697	123	30
24.Addition in stock of:	312	2724	-4872	574	71	188	-26	-1	-257	-68	-110
(a) Materials, Fuels etc.	81	819	-3060	217	-151	216	5	-1	-7	-17	44
(b) Semi-Finished Goods	199	1901	-795	0	0	-4	12	0	-206	41	-88
(c) Finished Goods	32	4	-1017	357	222	-24	-43	0	-44	-91	-66
25.Gross Capital Formation	2559	8310	-1275	831	219	523	29	57	439	55	-80
26.Net Income	2139	23591	-9460	746	0	346	276	67	15723	1744	490
27.Profit	557	13209	-11975	-189	-531	-29	-641	9	12868	-188	170

Table 1.5:Distribution of selected characteristics of the factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Palakkad

Characteristics	271	272	273	279	281	282	310	325	329	382	452	454	829
1.Number of factories	3	4	1	1	4	2	10	5	3	1	29	1	2
2.Factories in operation	3	4	1	1	3	2	10	5	3	1	29	0	2
3. Fixed Capital	26	191	147	1	802	74	55	1055	2	978	5539	0	1
4.Physical Working Capital	49	304	297	0	1150	172	120	656	23	0	439	0	0
5.Working Capital	-1618	87	-354	2	6331	-179	217	761	22	2010	407	0	0
6.Invested Capital	75	495	444	1	1952	246	175	1711	25	978	5978	0	1
7.Gross Value of Additions to Fixed Capital	0	60	1	0	5	0	1	589	0	89	236	0	0
8.Rent Paid	0	0	1	0	5	0	2	10	0	0	235	0	0
9.Outstanding Loan	80	95	151	0	1	132	25	926	0	0	71	0	0
10.Interest paid	7	20	62	0	4	28	6	72	0	0	106	0	0
11.Rent received	0	0	0	0	0	0	0	0	0	0	0	0	0
12.Interest received	0	0	0	0	13	0	1	16	0	62	0	0	0
13.Gross Value of P & M	12	17	228	0	520	45	0	352	0	0	800	0	0
14.Value of Products & By-products'	18	790	783	0	194	630	582	3621	21	0	0	0	0
15.Total Output	258	1037	799	4	221	683	594	3951	22	2359	10119	0	2
16.Fuel Consumed	4	43	32	0	30	4	8	38	0	100	185	0	0
17.Materials Consumed for Manufacturing	18	753	643	0	142	480	396	1070	10	0	125	0	0
18.Total Input	185	927	710	1	275	588	431	2467	13	1810	6782	0	1
19.Gross Value Added (GVA)	73	111	89	4	-54	95	163	1484	9	549	3337	0	1
20.Depreciation	5	28	20	0	97	4	4	104	0	111	417	0	0
21.Net Value Added (NVA)	68	83	69	4	-151	92	159	1380	9	438	2920	0	1
22.Net Fixed Capital Formation(NFCF)	-5	32	-19	0	-125	-4	-3	483	0	-22	-181	0	0
23.Gross Fixed Capital Formation (GFCF)	0	60	1	0	-28	0	1	587	0	89	236	0	0
24.Addition in stock of:	5	5	-12	0	-33	-35	-24	234	1	0	-52	0	-2
(a) Materials, Fuels etc.	5	-68	-31	0	-27	-15	-8	104	1	0	-52	0	-2
(b) Semi-Finished Goods	0	-24	0	0	-4	0	0	-23	0	0	0	0	0
(c) Finished Goods	0	97	19	0	-2	-21	-16	153	0	0	0	0	0
25.Gross Capital Formation	5	65	-12	0	-61	-35	-23	821	1	89	185	0	-2
26.Net Income	61	63	6	4	-147	64	151	1314	9	500	2579	0	1
27.Profit	12	-4	-85	1	-572	-58	6	577	-1	480	274	0	0

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Thrissur	All	102	103	104	105	106	107	108	110	120
Characteristics	All	102	103	104	105	106	107	108	110	120
1.Number of factories	870	1	9	17	8	6	36	5	17	17
2.Factories in operation	711	1	7	13	8	4	31	5	17	1
3. Fixed Capital	150792	156	635	3524	2020	1432	4664	3816	5822	0
4.Physical Working Capital	86647	470	76	3483	485	3000	3530	4346	2270	0
5.Working Capital	48823	287	88	3598	-100	-6913	1196	315	4908	-24
6.Invested Capital	237439	626	711	7007	2505	4431	8194	8161	8091	0
7.Gross Value of Additions to Fixed Capital	17161	28	126	1043	310	387	690	321	975	0
8.Rent Paid	1219	0	0	53	3	139	24	0	13	0
9.Outstanding Loan	93729	252	149	3959	753	1351	2662	6552	1663	0
10.Interest paid	10405	109	22	863	68	351	314	133	531	0
11.Rent received	136	0	0	6	9	24	5	0	3	0
12.Interest received	1322	2	0	26	2	74	11	26	44	0
13.Gross Value of P & M	95109	0	0	2005	453	1008	1299	6493	5956	0
14.Value of Products & By-products'	621181	4430	330	36297	5034	32399	24859	75597	33929	0
15.Total Output	716939	4795	332	37983	5601	35539	25972	77796	35015	8
16.Fuel Consumed	19769	74	8	385	214	380	476	920	329	0
17.Materials Consumed for Manufacturing	458805	4291	241	31356	3144	19419	20788	72870	26986	0
18.Total Input	556730	4496	273	35143	4264	23936	23415	76618	31076	0
19.Gross Value Added (GVA)	160209	299	59	2839	1337	11603	2556	1179	3939	7
20.Depreciation	14081	22	37	449	287	176	488	639	636	0
21.Net Value Added (NVA)	146128	276	22	2391	1049	11427	2068	539	3303	7
22.Net Fixed Capital Formation(NFCF)	2319	3	89	444	18	94	193	-322	-161	0
23.Gross Fixed Capital Formation (GFCF)	16400	25	126	893	305	271	681	317	474	0
24.Addition in stock of:	11611	-13	-14	130	46	254	626	-378	754	0
(a) Materials, Fuels etc.	8805	63	-13	-3	40	90	962	-593	512	0
(b) Semi-Finished Goods	-628	0	0	0	-1	0	-347	0	-74	0
(c) Finished Goods	3434	-75	-1	133	6	165	10	215	316	0
25.Gross Capital Formation	28011	13	111	1023	351	525	1306	-61	1229	0
26.Net Income	135962	169	0	1507	989	11035	1746	433	2806	7
27.Profit	74604	45	-39	-106	419	8912	215	-3180	516	2

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Thrissur	131	139	141	152	161	162	170	181	201	202	210
Characteristics											
1.Number of factories	13	4	3	4	12	17	18	20	3	8	39
2.Factories in operation	13	4	3	3	6	14	15	20	3	8	32
3. Fixed Capital	8021	53	59	328	111	1004	355	5605	94	1047	12653
4.Physical Working Capital	1638	60	224	381	764	766	515	519	36	470	4763
5.Working Capital	-5710	39	64	61	283	-1103	-71	1609	85	2459	11874
6.Invested Capital	9659	113	284	709	876	1770	870	6124	130	1517	17416
7.Gross Value of Additions to Fixed Capital	1517	2	19	12	0	85	58	742	0	60	2665
8.Rent Paid	5	0	5	4	0	39	7	0	0	3	131
9.Outstanding Loan	31833	75	36	2	29	622	426	2448	52	746	5955
10.Interest paid	1242	0	5	40	8	108	37	183	7	17	1030
11.Rent received	10	0	0	0	0	0	0	0	0	0	8
12.Interest received	38	0	0	4	0	1	0	60	1	1	304
13.Gross Value of P & M	8135	0	0	0	0	248	0	5243	2	406	5221
14.Value of Products & By-products'	11182	226	734	1850	1021	1852	2400	5828	678	8130	33009
15.Total Output	11248	318	751	1853	1175	2414	2437	7298	836	8359	37025
16.Fuel Consumed	1981	17	4	33	7	60	64	242	72	101	1334
17.Materials Consumed for Manufacturing	7636	149	478	1137	893	1476	1722	3960	435	3454	16980
18.Total Input	9997	258	515	1346	929	1804	1882	5471	695	3960	26243
19.Gross Value Added (GVA)	1251	60	236	507	246	610	555	1826	141	4399	10783
20.Depreciation	349	20	10	60	12	425	39	517	16	61	1426
21.Net Value Added (NVA)	902	40	226	447	234	185	516	1309	125	4338	9357
22.Net Fixed Capital Formation(NFCF)	2036	-20	9	-66	-12	-350	20	225	-16	-8	1185
23.Gross Fixed Capital Formation (GFCF)	2385	0	19	-5	0	75	58	742	0	53	2611
24.Addition in stock of:	-891	18	55	-32	87	15	214	-24	-41	91	-140
(a) Materials, Fuels etc.	-239	8	55	-9	87	-9	253	55	-38	18	90
(b) Semi-Finished Goods	41	-2	0	18	0	-20	0	-24	1	-4	73
(c) Finished Goods	-693	12	-1	-41	0	44	-38	-54	-4	77	-303
25.Gross Capital Formation	1494	18	74	-37	87	90	273	718	-41	143	2472
26.Net Income	-297	40	216	408	226	40	472	1187	118	4319	8509
27.Profit	-3895	-32	22	99	189	-442	99	-68	65	3838	2111

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Thrissur	221	222	239	241	242	243	251	259	261	264	265
Characteristics											
1.Number of factories	35	86	294	7	8	2	8	25	3	3	2
2.Factories in operation	32	79	221	5	8	2	6	25	3	3	2
3. Fixed Capital	18129	12013	9261	899	126	1325	389	3418	95	179	4164
4.Physical Working Capital	20171	5746	5966	1137	244	648	681	1779	43	24	3972
5.Working Capital	12343	795	5203	-356	142	481	374	1043	51	-105	5853
6.Invested Capital	38299	17759	15227	2037	370	1973	1070	5197	139	203	8136
7.Gross Value of Additions to Fixed Capital	2092	1188	1726	46	30	247	104	327	18	6	219
8.Rent Paid	2	73	19	1	0	3	1	27	0	7	0
9.Outstanding Loan	495	6803	3647	1718	162	317	233	777	84	124	32
10.Interest paid	407	1508	686	231	0	206	89	153	13	24	3
11.Rent received	0	7	0	0	0	0	0	0	2	19	0
12.Interest received	435	24	20	69	0	0	2	27	0	2	101
13.Gross Value of P & M	33188	3506	5900	0	0	152	0	2178	101	7	4701
14.Value of Products & By-products'	205611	41079	28667	2796	417	5706	2741	6735	410	1920	12508
15.Total Output	223202	41764	32252	2906	448	5758	3040	9672	418	2057	13131
16.Fuel Consumed	4585	1778	3113	757	18	56	23	769	9	10	132
17.Materials Consumed for Manufacturing	125354	30461	15307	2613	249	5449	2213	4298	183	1485	6955
18.Total Input	146175	35204	26457	3615	284	5549	2537	6142	243	1830	8649
19.Gross Value Added (GVA)	77028	6560	5795	-709	163	210	503	3529	174	228	4482
20.Depreciation	1611	1331	1188	114	15	86	44	251	17	15	481
21.Net Value Added (NVA)	75416	5229	4607	-823	148	124	459	3278	157	213	4001
22.Net Fixed Capital Formation(NFCF)	329	-199	424	-68	16	161	45	63	1	-9	-262
23.Gross Fixed Capital Formation (GFCF)	1940	1133	1611	46	31	247	90	314	18	5	218
24.Addition in stock of:	9356	230	16	-740	-13	568	63	-141	11	-252	490
(a) Materials, Fuels etc.	6083	378	176	-642	-14	410	15	-71	15	-159	957
(b) Semi-Finished Goods	210	43	82	0	-8	0	2	30	-3	-78	-397
(c) Finished Goods	3063	-191	-242	-97	9	158	47	-100	-1	-15	-70
25.Gross Capital Formation	11296	1363	1627	-693	18	815	152	173	29	-247	708
26.Net Income	75443	3679	3923	-985	148	-85	370	3126	146	202	4099
27.Profit	59849	1058	-67	-1044	40	-136	108	783	33	42	2149

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Thrissur	271	273	274	279	281	282	292	293	310	321	325	329
Characteristics	271	273	274	279	281	282	292	293	310	321	325	329
1.Number of factories	4	1	2	2	5	19	1	1	15	6	4	5
2.Factories in operation	4	1	1	2	5	18	0	1	15	5	4	4
3. Fixed Capital	148	13	35	36	45	1574	0	717	538	1392	719	380
4.Physical Working Capital	93	5	6	79	9	1142	0	200	620	7009	224	33
5.Working Capital	56	-12	24	232	190	-198	0	213	604	5320	111	-21
6.Invested Capital	240	18	41	116	54	2716	0	917	1159	8400	943	413
7.Gross Value of Additions to Fixed Capital	4	0	0	8	0	194	0	28	26	121	144	11
8.Rent Paid	5	0	0	4	4	22	0	8	27	1	1	1
9.Outstanding Loan	148	60	18	0	111	528	0	494	402	4992	113	437
10.Interest paid	11	10	2	0	2	83	0	12	23	462	41	33
11.Rent received	0	0	0	14	0	0	0	0	0	24	3	0
12.Interest received	0	0	0	0	1	3	0	0	0	21	1	3
13.Gross Value of P & M	261	0	0	2	32	229	0	364	0	151	683	244
14.Value of Products & By-products'	491	103	29	979	182	6118	0	1389	1100	15725	762	4805
15.Total Output	563	103	30	1177	218	7950	0	1470	1234	16630	1119	4960
16.Fuel Consumed	7	2	0	25	11	138	0	28	69	42	45	210
17.Materials Consumed for Manufacturing	407	69	21	698	82	4589	0	948	768	14654	106	3525
18.Total Input	456	81	24	971	116	6360	0	1102	879	15145	643	3904
19.Gross Value Added (GVA)	108	22	6	206	102	1590	0	369	355	1486	476	1057
20.Depreciation	3	1	2	6	10	112	0	48	94	119	101	45
21.Net Value Added (NVA)	105	21	4	199	91	1478	0	321	261	1367	376	1012
22.Net Fixed Capital Formation(NFCF)	1	-1	-2	2	-10	82	0	-37	-99	-50	43	-56
23.Gross Fixed Capital Formation (GFCF)	4	0	0	8	0	194	0	11	-5	69	144	-11
24.Addition in stock of:	12	-15	-4	6	-1	-157	0	-3	-208	1519	-38	-44
(a) Materials, Fuels etc.	4	-12	-3	7	-1	-15	0	-16	-47	264	-9	-39
(b) Semi-Finished Goods	9	0	0	0	0	-130	0	0	-8	0	-31	-8
(c) Finished Goods	0	-3	-1	-1	0	-12	0	13	-154	1255	3	3
25.Gross Capital Formation	16	-15	-4	14	-1	36	0	8	-213	1587	106	-55
26.Net Income	88	11	2	209	87	1376	0	301	211	949	337	981
27.Profit	-18	3	-2	100	18	407	0	30	86	680	70	625

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Thrissur					
Characteristics	331	352	452	454	960
1.Number of factories	1	1	70	2	1
2.Factories in operation	1	1	52	2	1
3. Fixed Capital	22	754	42969	34	18
4.Physical Working Capital	9	0	8961	50	0
5.Working Capital	4	0	3468	58	7
6.Invested Capital	31	754	51929	85	18
7.Gross Value of Additions to Fixed Capital	0	3	1578	0	1
8.Rent Paid	0	0	581	6	0
9.Outstanding Loan	1	0	12464	0	2
10.Interest paid	1	0	1339	0	0
11.Rent received	0	0	3	0	0
12.Interest received	0	0	17	0	0
13.Gross Value of P & M	0	653	6261	8	19
14.Value of Products & By-products'	0	18	1103	0	0
15.Total Output	34	18	49756	226	45
16.Fuel Consumed	1	13	1214	4	6
17.Materials Consumed for Manufacturing	19	1	20916	14	9
18.Total Input	24	29	37812	154	21
19.Gross Value Added (GVA)	10	-11	11944	72	24
20.Depreciation	3	107	2584	19	4
21.Net Value Added (NVA)	7	-118	9360	53	20
22.Net Fixed Capital Formation(NFCF)	-3	-104	-1287	-19	-3
23.Gross Fixed Capital Formation (GFCF)	0	3	1297	0	1
24.Addition in stock of:	-8	0	197	10	0
(a) Materials, Fuels etc.	-8	0	197	10	0
(b) Semi-Finished Goods	0	0	0	0	0
(c) Finished Goods	0	0	0	0	0
25.Gross Capital Formation	-8	3	1494	10	1
26.Net Income	6	-118	7459	47	20
27.Profit	0	-147	1172	-6	-1

Table 1.5 : Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Ernakulam	All	101	102	103	104	105	106
Characteristics	All	101	102	103	104	105	106
1.Number of factories	1448	1	53	20	15	15	69
2.Factories in operation	1138	1	42	17	12	15	55
3. Fixed Capital	3528155	2973	23630	1829	6232	12429	13870
4.Physical Working Capital	950486	182	11653	2899	8422	32710	13182
5.Working Capital	751712	64	7629	351	11052	27712	9465
6.Invested Capital	4478641	3155	35282	4728	14654	45139	27052
7.Gross Value of Additions to Fixed Capital	1109647	565	3614	63	1305	4710	848
8.Rent Paid	11448	5	359	12	20	40	13
9.Outstanding Loan	520520	1090	17741	1004	970	3856	13072
10.Interest paid	98276	0	1864	122	257	418	1875
11.Rent received	1716	2	83	0	0	53	0
12.Interest received	21461	2	185	0	73	42	112
13.Gross Value of P & M	1640961	482	11104	0	1225	2909	1148
14.Value of Products & By-products'	7070970	2203	79707	9263	19668	68052	76583
15.Total Output	8295362	2210	91071	9270	44618	73389	86722
16.Fuel Consumed	254306	52	1946	87	796	1513	2734
17.Materials Consumed for Manufacturing	5555279	1286	71449	9187	13916	50873	67711
18.Total Input	7124523	2023	81030	9730	36308	66967	80421
19.Gross Value Added (GVA)	1170839	187	10041	-460	8310	6422	6301
20.Depreciation	121001	50	1632	141	605	1779	1260
21.Net Value Added (NVA)	1049838	137	8409	-601	7705	4643	5041
22.Net Fixed Capital Formation(NFCF)	877127	515	1730	-78	664	2108	-592
23.Gross Fixed Capital Formation (GFCF)	998129	565	3362	63	1269	3887	668
24.Addition in stock of:	196806	52	4598	951	3388	3975	3346
(a) Materials, Fuels etc.	49125	-2	1720	757	1976	3633	2563
(b) Semi-Finished Goods	25806	7	238	-1	4	111	0
(c) Finished Goods	121875	47	2640	196	1408	231	783
25.Gross Capital Formation	1194934	617	7960	1014	4658	7862	4014
26.Net Income	963291	135	6455	-735	7501	4280	3266
27.Profit	658648	-252	348	-1102	4576	506	1129

Table 1.5 : Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Ernakulam	107	108	110	131	139	141	151	152
Characteristics								
1.Number of factories	79	4	16	9	10	6	3	3
2.Factories in operation	51	4	16	8	10	4	3	3
3. Fixed Capital	60907	966	3216	10061	3726	18013	848	127
4.Physical Working Capital	92549	385	915	11323	2325	8862	1723	159
5.Working Capital	122421	-98	-667	595	984	29566	1864	291
6.Invested Capital	153457	1352	4131	21384	6051	26875	2571	285
7.Gross Value of Additions to Fixed Capital	8999	161	77	1390	475	1423	55	27
8.Rent Paid	1700	6	13	271	92	123	32	3
9.Outstanding Loan	24390	215	2961	958	2448	548	464	19
10.Interest paid	7136	46	127	1257	394	1171	165	0
11.Rent received	38	0	0	0	0	18	0	0
12.Interest received	1000	1	10	73	61	52	7	1
13.Gross Value of P & M	41470	1639	1462	17279	5352	21030	1107	0
14.Value of Products & By-products'	375586	4938	2936	36798	12814	64671	7068	1190
15.Total Output	484282	6172	3277	37582	17199	71107	7368	1197
16.Fuel Consumed	5820	438	93	2368	557	2268	138	55
17.Materials Consumed for Manufacturing	278655	4182	1911	22964	8390	28431	4632	847
18.Total Input	416451	5234	2838	28783	14212	41850	5876	957
19.Gross Value Added (GVA)	67831	938	440	8799	2988	29257	1493	239
20.Depreciation	7686	109	282	926	462	2313	128	32
21.Net Value Added (NVA)	60146	830	158	7872	2526	26944	1364	207
22.Net Fixed Capital Formation(NFCF)	464	4	-205	375	10	-1280	-74	-5
23.Gross Fixed Capital Formation (GFCF)	8150	112	77	1302	472	1033	55	27
24.Addition in stock of:	20660	37	69	192	-450	1456	-382	-20
(a) Materials, Fuels etc.	10817	103	93	565	-248	1002	-59	-2
(b) Semi-Finished Goods	5123	0	0	149	-22	1117	-81	0
(c) Finished Goods	4721	-66	-24	-523	-180	-664	-242	-18
25.Gross Capital Formation	28810	150	146	1493	22	2489	-327	6
26.Net Income	52347	779	28	6416	2101	25720	1174	206
27.Profit	33244	338	-399	487	112	15152	234	17

Table 1.5 : Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Ernakulam	161	162	170	181	191	192	201
Characteristics							
1.Number of factories	37	306	42	32	3	6	26
2.Factories in operation	25	254	40	28	3	6	13
3. Fixed Capital	341	52152	3650	27685	34090	2743452	41128
4.Physical Working Capital	164	21812	2127	6407	6361	359067	111142
5.Working Capital	495	7168	-84	11035	4131	86771	93269
6.Invested Capital	505	73965	5778	34093	40450	3102519	152270
7.Gross Value of Additions to Fixed Capital	0	32346	358	3093	18532	973678	2897
8.Rent Paid	1	59	86	157	211	909	278
9.Outstanding Loan	267	23010	2238	3111	0	118393	183284
10.Interest paid	48	5466	619	1026	235	13451	33695
11.Rent received	0	7	4	2	0	0	644
12.Interest received	0	179	81	255	7	819	2489
13.Gross Value of P & M	0	1301	1760	35149	21639	1024306	143887
14.Value of Products & By-products'	2746	63518	19372	40420	41074	4057699	302189
15.Total Output	2764	67398	22738	44640	41196	4091067	486233
16.Fuel Consumed	42	4865	1287	691	252	157228	30967
17.Materials Consumed for Manufacturing	2208	39010	14315	17604	33336	3184535	189164
18.Total Input	2356	49355	20077	21947	35034	3777409	244244
19.Gross Value Added (GVA)	409	18043	2662	22694	6163	313658	241989
20.Depreciation	33	5266	584	4032	1258	51248	4145
21.Net Value Added (NVA)	376	12778	2078	18661	4905	262410	237843
22.Net Fixed Capital Formation(NFCF)	-33	25751	-4631	-963	16935	833121	-2252
23.Gross Fixed Capital Formation (GFCF)	0	31017	-4047	3069	18193	884369	1893
24.Addition in stock of:	53	2802	-864	2245	2596	81469	57547
(a) Materials, Fuels etc.	15	2207	-1051	2040	2647	6116	7664
(b) Semi-Finished Goods	0	-109	-21	-18	127	19752	-368
(c) Finished Goods	38	704	208	222	-178	55601	50251
25.Gross Capital Formation	53	33819	-4911	5313	20790	965838	59440
26.Net Income	327	7439	1457	17735	4465	248869	207004
27.Profit	125	3468	-1171	10649	3022	196514	174751

Table 1.5 : Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Ernakulam	202	210	221	222	231	239	241
Characteristics							
1.Number of factories	31	28	84	61	4	51	13
2.Factories in operation	31	25	58	43	4	32	10
3. Fixed Capital	34297	18383	89986	6603	1784	62785	2365
4.Physical Working Capital	52699	13981	13162	4442	241	12538	7365
5.Working Capital	56154	-21615	10881	2071	-15	17995	13916
6.Invested Capital	86996	32363	103148	11045	2024	75323	9730
7.Gross Value of Additions to Fixed Capital	5630	2310	4310	2137	231	4191	1104
8.Rent Paid	373	496	100	76	3	392	24
9.Outstanding Loan	11453	12084	14371	12133	598	8743	2554
10.Interest paid	5366	1130	1916	987	71	842	310
11.Rent received	204	0	22	5	0	0	0
12.Interest received	293	55	476	28	7	65	36
13.Gross Value of P & M	32569	15678	15902	4193	338	18705	1435
14.Value of Products & By-products'	177970	56265	99982	33006	1994	75207	66186
15.Total Output	192371	71200	118408	36187	2692	108721	72490
16.Fuel Consumed	4656	3354	4093	1675	240	8301	1979
17.Materials Consumed for Manufacturing	128753	25586	75742	24178	1361	28056	59539
18.Total Input	155631	48836	96767	29368	1856	75724	68722
19.Gross Value Added (GVA)	36740	22364	21641	6819	836	32997	3768
20.Depreciation	3704	1787	2629	1024	224	5745	369
21.Net Value Added (NVA)	33035	20577	19011	5795	612	27252	3399
22.Net Fixed Capital Formation(NFCF)	-1433	311	1100	947	-10	-5940	736
23.Gross Fixed Capital Formation (GFCF)	2272	2098	3730	1971	214	-195	1104
24.Addition in stock of:	3570	-591	1765	979	97	-101	1477
(a) Materials, Fuels etc.	787	894	2046	603	92	-497	521
(b) Semi-Finished Goods	30	-971	339	3	0	-128	0
(c) Finished Goods	2754	-514	-620	373	5	523	956
25.Gross Capital Formation	5842	1508	5495	2950	311	-297	2581
26.Net Income	27795	19005	17493	4766	546	26083	3101
27.Profit	14464	10120	7436	1398	33	20192	2296

Table 1.5 : Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Ernakulam	242	243	251	259	261	265	266	271
Characteristics	242	243	251	259	261	265	266	271
1.Number of factories	6	10	34	39	15	3	1	17
2.Factories in operation	4	8	27	28	15	3	1	17
3. Fixed Capital	2832	1594	10140	3083	48822	38	643	9818
4.Physical Working Capital	1931	5924	4294	3045	37194	179	519	10801
5.Working Capital	-7252	2777	2740	4266	24525	26	2841	12915
6.Invested Capital	4764	7517	14435	6128	86016	217	1163	20619
7.Gross Value of Additions to Fixed Capital	556	353	2153	150	9760	1	91	1512
8.Rent Paid	57	285	38	107	855	4	0	544
9.Outstanding Loan	1197	1165	4288	1236	3490	47	1	9372
10.Interest paid	4277	270	1087	216	1960	30	1	1379
11.Rent received	1	0	0	0	478	3	0	5
12.Interest received	0	9	27	8	308	20	9	116
13.Gross Value of P & M	39	690	10331	3148	51375	87	386	13006
14.Value of Products & By-products'	824286	73399	27021	17339	175111	604	4529	51078
15.Total Output	824288	80380	33676	17825	186627	795	4529	62570
16.Fuel Consumed	42	120	1249	874	3008	15	4	960
17.Materials Consumed for Manufacturing	742246	69547	20387	8670	120323	416	4006	30444
18.Total Input	742464	77278	24674	12389	138464	653	4025	41995
19.Gross Value Added (GVA)	81824	3101	9002	5436	48163	142	504	20575
20.Depreciation	59	136	593	564	5122	4	108	1912
21.Net Value Added (NVA)	81764	2965	8409	4872	43042	138	395	18663
22.Net Fixed Capital Formation(NFCF)	496	216	544	-419	3295	-3	-23	-501
23.Gross Fixed Capital Formation (GFCF)	556	353	1137	145	8417	1	85	1411
24.Addition in stock of:	1183	2651	624	-938	4525	-47	-667	610
(a) Materials, Fuels etc.	0	129	338	-804	6655	-47	-614	248
(b) Semi-Finished Goods	0	534	479	-37	-3121	-1	0	882
(c) Finished Goods	1183	1988	-193	-98	991	1	-53	-520
25.Gross Capital Formation	1739	3004	1761	-794	12942	-46	-582	2020
26.Net Income	77431	2419	7311	4557	41013	127	404	16861
27.Profit	76988	1243	3783	1371	12711	-4	348	5733

Table 1.5 : Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Ernakulam	273	274	275	279	281	282	292	301
Characteristics								
1.Number of factories	5	5	2	3	3	11	2	9
2.Factories in operation	5	5	2	3	3	11	2	9
3. Fixed Capital	1914	899	55	739	335	4314	46	46097
4.Physical Working Capital	2499	882	134	725	234	7550	37	18834
5.Working Capital	-1965	-310	106	964	98	11442	71	167364
6.Invested Capital	4412	1781	189	1464	569	11864	83	64931
7.Gross Value of Additions to Fixed Capital	239	35	19	171	186	112	0	7092
8.Rent Paid	20	75	1	33	3	26	0	647
9.Outstanding Loan	1175	1	105	0	99	1409	13	0
10.Interest paid	908	30	14	70	13	635	1	1274
11.Rent received	0	1	0	0	1	8	0	131
12.Interest received	28	1	0	15	1	88	0	13087
13.Gross Value of P & M	6301	1216	9	880	408	6619	0	30967
14.Value of Products & By-products'	15217	3030	248	368	1087	24400	0	6332
15.Total Output	15349	3193	299	1605	1130	25954	179	213324
16.Fuel Consumed	196	88	1	79	21	414	6	2754
17.Materials Consumed for Manufacturing	9823	1899	107	301	589	15122	2	104139
18.Total Input	11740	2348	201	735	754	17280	113	145292
19.Gross Value Added (GVA)	3609	845	98	870	376	8674	66	68033
20.Depreciation	345	109	8	154	27	512	6	3641
21.Net Value Added (NVA)	3264	736	90	716	348	8162	60	64392
22.Net Fixed Capital Formation(NFCF)	-85	-119	9	16	158	-402	-6	3032
23.Gross Fixed Capital Formation (GFCF)	260	-10	16	170	186	110	0	6673
24.Addition in stock of:	97	13	17	9	88	1230	8	-4936
(a) Materials, Fuels etc.	-363	42	30	5	40	197	8	-6533
(b) Semi-Finished Goods	-24	-57	0	0	26	-21	0	1597
(c) Finished Goods	485	28	-12	4	22	1054	0	0
25.Gross Capital Formation	357	3	34	179	274	1340	8	1737
26.Net Income	2364	634	76	628	334	7597	58	75687
27.Profit	76	-287	11	2	99	1264	16	50714

Table 1.5 : Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Ernakulam	310	321	322	325	331	332	351	382
Characteristics								
1.Number of factories	22	4	1	19	7	35	2	1
2.Factories in operation	15	3	1	19	2	21	2	1
3. Fixed Capital	3072	175	17	8063	0	1956	30525	261
4.Physical Working Capital	1893	1022	19	2454	0	2592	4030	267
5.Working Capital	1911	1497	130	1666	0	5283	8824	772
6.Invested Capital	4965	1196	35	10517	0	4547	34555	529
7.Gross Value of Additions to Fixed Capital	933	26	0	1967	0	105	27	3
8.Rent Paid	196	32	1	106	0	67	0	12
9.Outstanding Loan	1846	1341	0	2563	0	1389	0	0
10.Interest paid	301	0	0	313	0	360	41	0
11.Rent received	0	0	0	0	0	6	0	0
12.Interest received	4	11	7	15	0	135	654	39
13.Gross Value of P & M	81	262	91	1038	0	0	84400	105
14.Value of Products & By-products'	12190	1045	59	11537	0	9371	1011	0
15.Total Output	13089	1274	59	12853	0	13988	1268	853
16.Fuel Consumed	300	42	2	202	0	263	1839	33
17.Materials Consumed for Manufacturing	7553	217	17	4421	0	4919	1979	1
18.Total Input	9811	535	26	6940	0	11290	5181	605
19.Gross Value Added (GVA)	3278	739	33	5913	0	2697	-3912	248
20.Depreciation	537	39	5	407	0	150	2366	58
21.Net Value Added (NVA)	2741	701	27	5507	0	2547	-6278	190
22.Net Fixed Capital Formation(NFCF)	374	-13	-5	1541	0	-45	-2351	-55
23.Gross Fixed Capital Formation (GFCF)	911	26	0	1947	0	105	15	3
24.Addition in stock of:	504	-4	-4	254	0	418	-1825	-71
(a) Materials, Fuels etc.	46	-4	-4	179	0	225	-1825	-71
(b) Semi-Finished Goods	333	0	0	76	0	-154	0	0
(c) Finished Goods	125	0	0	-1	0	347	0	0
25.Gross Capital Formation	1414	21	-4	2201	0	524	-1810	-68
26.Net Income	2249	679	33	5102	0	2260	-5666	217
27.Profit	810	305	3	1356	-1	1554	-6806	105

Table 1.5 : Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Ernakulam					
Characteristics	452	454	521	952	960
1.Number of factories	143	11	5	2	4
2.Factories in operation	100	11	5	2	4
3. Fixed Capital	68194	1151	3479	29	2334
4.Physical Working Capital	41464	1339	1797	5	28
5.Working Capital	17439	1653	-695	-465	-312
6.Invested Capital	109658	2490	5276	34	2362
7.Gross Value of Additions to Fixed Capital	9433	38	118	2	37
8.Rent Paid	2179	287	0	8	9
9.Outstanding Loan	26881	381	544	0	0
10.Interest paid	4606	216	202	4	73
11.Rent received	0	0	1	0	0
12.Interest received	404	0	65	0	2
13.Gross Value of P & M	4708	0	1745	1	0
14.Value of Products & By-products'	6255	0	6350	0	0
15.Total Output	465901	9605	9917	361	900
16.Fuel Consumed	2801	61	312	2	125
17.Materials Consumed for Manufacturing	10902	3645	5455	39	292
18.Total Input	432162	7806	8889	253	616
19.Gross Value Added (GVA)	33739	1799	1028	108	284
20.Depreciation	4022	44	253	2	364
21.Net Value Added (NVA)	29717	1755	775	106	-80
22.Net Fixed Capital Formation(NFCF)	4688	-10	-153	0	-327
23.Gross Fixed Capital Formation (GFCF)	8710	34	101	2	37
24.Addition in stock of:	660	421	1071	-2	0
(a) Materials, Fuels etc.	3178	0	1071	-2	0
(b) Semi-Finished Goods	12	0	0	0	0
(c) Finished Goods	-2529	421	0	0	0
25.Gross Capital Formation	9370	456	1171	0	37
26.Net Income	23336	1251	639	93	-159
27.Profit	8953	739	349	-33	-440

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹ lakh unless otherwise mentioned)

District: Idukki	All	101	105	107	110	131	152
Characteristics							
1.Number of factories	154	1	1	75	2	1	5
2.Factories in operation	141	1	1	67	2	1	3
3. Fixed Capital	69722	108	48	49424	968	442	508
4.Physical Working Capital	28772	2	27	22485	91	94	648
5.Working Capital	28952	-58	99	21233	18	185	149
6.Invested Capital	98494	111	75	71909	1059	536	1156
7.Gross Value of Additions to Fixed Capital	4742	0	6	2929	12	67	37
8.Rent Paid	682	0	1	361	1	0	12
9.Outstanding Loan	20375	90	121	13860	36	0	33
10.Interest paid	3304	0	15	2357	9	0	43
11.Rent received	53	0	1	3	0	0	0
12.Interest received	106	0	4	16	1	16	1
13.Gross Value of P & M	26685	87	150	17159	0	159	39
14.Value of Products & By-products'	225746	74	2222	190269	309	386	1639
15.Total Output	235809	74	2289	196065	320	394	2583
16.Fuel Consumed	10470	1	64	9036	31	21	41
17.Materials Consumed for Manufacturing	127267	73	1784	107990	225	158	1311
18.Total Input	162675	77	2043	132980	288	291	2217
19.Gross Value Added (GVA)	73135	-2	246	63085	32	103	366
20.Depreciation	4192	1	21	2685	118	32	61
21.Net Value Added (NVA)	68943	-3	224	60400	-85	71	305
22.Net Fixed Capital Formation(NFCF)	305	-1	-16	14	-106	35	-24
23.Gross Fixed Capital Formation (GFCF)	10699	0	10	9828	16	-18	44
24.Addition in stock of:	4497	0	6	2698	12	67	37
(a) Materials, Fuels etc.	1950	0	17	1911	10	-3	-47
(b) Semi-Finished Goods	153	0	0	161	0	0	0
(c) Finished Goods	8596	0	-7	7756	6	-15	91
25.Gross Capital Formation	15197	0	16	12526	28	49	81
26.Net Income	65116	-3	213	57703	-94	87	250
27.Profit	49095	-8	62	47001	-130	-81	1

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹ lakh unless otherwise mentioned)

District: Idukki	161	162	181	201	202	210	221	222	239
Characteristics									
1.Number of factories	3	3	1	2	2	3	14	2	14
2.Factories in operation	3	3	1	2	2	3	11	2	14
3. Fixed Capital	12	303	0	70	763	908	5623	76	3501
4.Physical Working Capital	10	199	0	45	1365	1198	126	126	319
5.Working Capital	25	200	0	85	1365	837	2969	85	808
6.Invested Capital	21	502	0	115	2128	2105	5749	202	3821
7.Gross Value of Additions to Fixed Capital	0	79	0	52	0	115	333	3	857
8.Rent Paid	0	0	0	0	0	58	77	1	0
9.Outstanding Loan	151	163	0	2	0	648	230	128	1370
10.Interest paid	5	17	0	0	0	176	24	28	156
11.Rent received	0	0	0	0	0	0	49	0	0
12.Interest received	0	1	0	0	0	0	1	36	0
13.Gross Value of P & M	0	277	0	14	488	554	29	0	217
14.Value of Products & By-products'	329	1078	0	175	873	4648	8594	980	3754
15.Total Output	329	1095	0	234	1005	6070	8611	983	3756
16.Fuel Consumed	4	53	0	5	7	212	211	34	507
17.Materials Consumed for Manufacturing	288	764	0	119	767	2418	3649	832	481
18.Total Input	299	924	0	199	805	4107	6937	903	1819
19.Gross Value Added (GVA)	30	170	0	34	200	1963	1674	80	1936
20.Depreciation	1	43	0	7	56	84	139	13	296
21.Net Value Added (NVA)	29	128	0	28	144	1878	1535	67	1640
22.Net Fixed Capital Formation(NFCF)	-1	36	0	45	-56	26	194	-11	560
23.Gross Fixed Capital Formation (GFCF)	0	34	0	-14	883	39	-140	24	0
24.Addition in stock of:	0	79	0	52	0	111	333	2	857
(a) Materials, Fuels etc.	1	28	0	-17	128	-15	-1	5	0
(b) Semi-Finished Goods	0	1	0	4	0	11	-43	0	0
(c) Finished Goods	0	5	0	-1	755	43	-95	19	0
25.Gross Capital Formation	0	113	0	38	883	150	193	26	857
26.Net Income	25	111	0	28	144	1646	1518	38	1483
27.Profit	10	46	0	6	72	124	953	-29	683

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹ lakh unless otherwise mentioned)

District: Idukki	271	273	282	310	351	452	454
Characteristics							
1.Number of factories	1	1	1	4	3	13	2
2.Factories in operation	1	1	1	4	3	13	2
3. Fixed Capital	107	36	525	2044	4075	175	5
4.Physical Working Capital	276	68	545	875	63	156	52
5.Working Capital	277	41	640	-126	-65	100	87
6.Invested Capital	383	105	1071	2920	4139	331	57
7.Gross Value of Additions to Fixed Capital	25	0	1	150	66	10	0
8.Rent Paid	2	0	3	137	4	0	26
9.Outstanding Loan	176	47	918	1668	319	0	415
10.Interest paid	29	17	142	227	55	1	3
11.Rent received	0	0	0	0	0	0	0
12.Interest received	1	0	0	15	15	0	0
13.Gross Value of P & M	693	98	0	962	5759	1	0
14.Value of Products & By-products'	1268	156	409	5103	3480	0	0
15.Total Output	1359	160	454	5116	3490	672	752
16.Fuel Consumed	20	6	4	194	5	5	8
17.Materials Consumed for Manufacturing	808	104	277	3076	2125	18	0
18.Total Input	867	116	318	4017	2274	483	710
19.Gross Value Added (GVA)	491	44	136	1099	1216	188	42
20.Depreciation	27	5	15	228	342	18	1
21.Net Value Added (NVA)	464	39	121	871	874	170	41
22.Net Fixed Capital Formation(NFCF)	-10	-5	-14	-78	-276	-8	-1
23.Gross Fixed Capital Formation (GFCF)	-56	-5	-43	97	-21	3	18
24.Addition in stock of:	17	0	1	150	66	10	0
(a) Materials, Fuels etc.	-57	5	-46	13	0	3	18
(b) Semi-Finished Goods	-3	0	39	-16	0	0	0
(c) Finished Goods	4	-9	-35	100	-21	0	0
25.Gross Capital Formation	-39	-4	-42	246	45	13	18
26.Net Income	434	23	-23	522	831	169	12
27.Profit	16	2	-102	-120	560	37	-11

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District:Kottayam	All	10	11	13	14	15	16	17	18	19
Characteristics	All	10	11	13	14	15	16	17	18	19
1.Number of factories	433	49	1	5	1	41	45	5	38	2
2.Factories in operation	388	45	1	5	1	38	42	5	38	2
3. Fixed Capital	166612	11350	2	3598	38	3586	548	14772	78360	583
4.Physical Working Capital	59087	4457	56	766	82	3334	363	5349	11107	169
5.Working Capital	81593	2148	132	-94	207	-216	-1241	-13942	19462	-152
6.Invested Capital	225699	15807	58	4364	120	6920	911	20120	89467	752
7.Gross Value of Additions to Fixed Capital	45845	4933	0	232	1	810	48	396	27651	130
8.Rent Paid	2098	23	0	12	1	81	25	13	930	2
9.Outstanding Loan	38790	5553	0	4865	267	620	146	1280	8307	294
10.Interest paid	8591	228	0	276	40	223	126	1949	2698	41
11.Rent received	260	48	0	0	0	0	27	55	6	0
12.Interest received	1315	43	0	14	0	7	0	48	256	2
13.Gross Value of P & M	151899	2562	0	1577	0	3531	724	37265	53373	293
14.Value of Products & By-products'	570234	55900	880	4098	582	29630	6951	37733	53024	2184
15.Total Output	737338	66235	881	4126	582	30621	7758	38292	137530	2294
16.Fuel Consumed	32149	1351	3	569	8	464	119	11765	2657	85
17.Materials Consumed for Manufacturing	409705	46596	653	2957	410	15565	5056	20677	44155	1892
18.Total Input	560216	61218	809	4080	430	25891	6077	35109	73814	2045
19.Gross Value Added (GVA)	177122	5017	73	47	152	4730	1680	3183	63716	249
20.Depreciation	23678	1108	0	340	6	440	56	639	13886	60
21.Net Value Added (NVA)	153445	3909	73	-293	146	4290	1624	2544	49830	190
22.Net Fixed Capital Formation(NFCF)	4849	3808	0	-127	-5	335	-8	-262	-1645	70
23.Gross Fixed Capital Formation (GFCF)	28527	4916	0	213	1	775	48	376	12241	130
24.Addition in stock of:	-990	126	3	21	54	-360	-84	-3359	903	54
(a) Materials, Fuels etc.	-1565	156	3	8	40	-164	-27	-2028	771	54
(b) Semi-Finished Goods	70	67	0	-8	0	-401	-47	270	2	0
(c) Finished Goods	505	-98	0	21	14	205	-11	-1601	131	0
25.Gross Capital Formation	27538	5041	3	234	55	416	-37	-2982	13144	183
26.Net Income	144330	3749	73	-566	105	3993	1500	685	46464	148
27.Profit	68260	73	33	-1474	21	1466	540	-7408	21651	5

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District:Kottayam	20	21	22	23	24	25	27	28	29	31
Characteristics										
1.Number of factories	7	6	122	19	3	2	8	7	2	5
2.Factories in operation	7	5	96	19	3	2	8	7	2	5
3. Fixed Capital	801	1638	28939	8195	1083	11	380	201	138	970
4.Physical Working Capital	1041	1188	24715	1313	686	21	231	226	295	599
5.Working Capital	1328	1121	63111	151	-222	10	249	411	88	878
6.Invested Capital	1843	2827	53654	9508	1769	32	611	427	433	1569
7.Gross Value of Additions to Fixed Capital	363	263	7192	1285	517	1	162	23	55	43
8.Rent Paid	90	26	125	74	23	0	7	0	16	4
9.Outstanding Loan	462	1052	4633	3020	429	4	184	219	54	57
10.Interest paid	102	154	1626	428	196	1	79	24	0	53
11.Rent received	0	0	107	2	0	0	0	0	0	0
12.Interest received	3	3	882	15	0	0	1	0	2	31
13.Gross Value of P & M	120	2114	38511	9148	464	0	25	0	88	0
14.Value of Products & By-products'	8286	7137	321914	15725	13764	59	2705	580	1885	5704
15.Total Output	10305	7472	338262	15848	14074	61	2815	877	2004	5801
16.Fuel Consumed	136	341	10674	2941	93	2	47	27	26	113
17.Materials Consumed for Manufacturing	6473	3452	236568	3908	12635	28	1953	267	1194	2949
18.Total Input	8713	4819	266289	9116	13340	37	2344	583	1311	4199
19.Gross Value Added (GVA)	1593	2653	71973	6731	734	24	471	294	693	1602
20.Depreciation	71	309	4242	1254	92	1	41	30	21	109
21.Net Value Added (NVA)	1522	2345	67731	5477	642	23	430	264	672	1493
22.Net Fixed Capital Formation(NFCF)	261	-66	1438	-72	393	0	83	-7	34	-67
23.Gross Fixed Capital Formation (GFCF)	331	243	5681	1183	484	1	124	22	55	43
24.Addition in stock of:	-448	18	1470	-40	90	3	-4	46	44	-37
(a) Materials, Fuels etc.	-532	134	-734	32	49	2	8	38	98	18
(b) Semi-Finished Goods	210	-166	223	0	0	0	-7	20	-74	-20
(c) Finished Goods	-127	49	1982	-72	40	2	-4	-12	20	-36
25.Gross Capital Formation	-117	261	7151	1142	574	5	121	68	99	6
26.Net Income	1333	2167	66970	4992	423	22	345	240	657	1467
27.Profit	650	981	47005	941	235	-3	97	80	10	555

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District:Kottayam	45	58	96	239	241	243	251	259	271	272
Characteristics										
1.Number of factories	61	3	1	18	1	1	2	1	4	3
2.Factories in operation	54	3	1	18	1	1	2	1	4	3
3. Fixed Capital	10379	949	92	2605	145	250	306	0	208	62
4.Physical Working Capital	2924	164	1	1089	62	449	103	0	81	140
5.Working Capital	6835	1328	1	-3285	-197	49	-62	0	414	53
6.Invested Capital	13303	1112	93	3693	207	699	410	0	289	202
7.Gross Value of Additions to Fixed Capital	1439	197	108	447	15	68	322	0	91	1
8.Rent Paid	597	47	0	49	0	10	7	0	4	0
9.Outstanding Loan	6878	465	0	2756	105	124	73	13	259	66
10.Interest paid	231	116	0	345	0	129	13	0	33	9
11.Rent received	14	0	0	1	0	0	0	0	0	0
12.Interest received	8	0	0	63	0	0	0	0	17	1
13.Gross Value of P & M	742	1253	108	1552	0	200	0	0	0	0
14.Value of Products & By-products'	63	1432	0	5849	0	12056	342	0	1849	276
15.Total Output	47418	4039	43	5926	237	12056	345	9	2026	289
16.Fuel Consumed	642	77	9	719	9	39	9	0	18	19
17.Materials Consumed for Manufacturing	922	1387	8	3697	1	11415	298	0	1393	228
18.Total Input	37498	2476	19	4937	229	11625	344	2	1682	256
19.Gross Value Added (GVA)	9920	1563	24	989	9	431	1	7	343	33
20.Depreciation	873	84	16	217	17	15	26	0	16	10
21.Net Value Added (NVA)	9046	1479	7	771	-8	416	-25	7	327	23
22.Net Fixed Capital Formation(NFCF)	493	102	92	229	-33	53	296	0	71	-9
23.Gross Fixed Capital Formation (GFCF)	1366	186	108	447	-16	68	322	0	87	1
24.Addition in stock of:	493	16	1	-145	-10	-327	88	0	23	-29
(a) Materials, Fuels etc.	493	16	1	-161	-2	-307	16	0	24	-37
(b) Semi-Finished Goods	0	0	0	0	0	0	0	0	0	5
(c) Finished Goods	0	0	0	16	-8	-20	72	0	-1	4
25.Gross Capital Formation	1859	202	109	302	-26	-259	410	0	110	-27
26.Net Income	8240	1316	7	442	-8	278	-45	7	307	15
27.Profit	2893	-90	0	-1347	-14	139	-95	3	76	-10

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District:Kottayam	273	281	282	292	293	310	452	581
Characteristics	273	281	282	292	293	310	452	581
1.Number of factories	1	1	5	1	1	5	61	3
2.Factories in operation	1	1	5	1	1	5	60	3
3. Fixed Capital	27	50	264	106	2	2225	13883	879
4.Physical Working Capital	13	93	252	239	12	637	15993	147
5.Working Capital	38	165	171	138	32	-1217	3353	1044
6.Invested Capital	41	144	515	346	14	2862	29876	1026
7.Gross Value of Additions to Fixed Capital	9	5	15	23	0	46	1576	358
8.Rent Paid	0	0	0	12	0	4	450	16
9.Outstanding Loan	45	0	129	0	0	112	3278	507
10.Interest paid	4	0	28	1	0	31	734	99
11.Rent received	0	0	0	0	0	0	13	0
12.Interest received	0	0	0	0	0	11	4	0
13.Gross Value of P & M	22	0	158	70	0	0	1416	1158
14.Value of Products & By-products'	133	173	494	2078	7	5482	21	886
15.Total Output	133	282	620	2123	37	5520	40581	3179
16.Fuel Consumed	2	3	21	23	2	104	664	61
17.Materials Consumed for Manufacturing	106	43	287	1310	1	3352	969	992
18.Total Input	112	211	368	1397	14	4420	45721	1904
19.Gross Value Added (GVA)	21	70	252	726	23	1100	-5140	1275
20.Depreciation	6	10	36	14	0	198	1000	77
21.Net Value Added (NVA)	14	61	216	713	22	901	-6140	1198
22.Net Fixed Capital Formation(NFCF)	1	-4	-22	8	0	-153	516	155
23.Gross Fixed Capital Formation (GFCF)	7	5	15	22	0	46	1516	232
24.Addition in stock of:	-7	-1	-13	32	0	220	1522	9
(a) Materials, Fuels etc.	-6	-9	-21	-1	-1	70	1681	9
(b) Semi-Finished Goods	0	20	-21	33	1	42	0	0
(c) Finished Goods	-1	-12	29	0	0	108	-159	0
25.Gross Capital Formation	1	4	1	55	0	266	3038	241
26.Net Income	10	61	188	701	22	878	-7307	1084
27.Profit	-3	31	9	176	3	258	-12269	61

Table1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Value in ₹lakh unless otherwise mentioned)

District: Alappuzha	All	102	103	104	105	106	107	108	110	131
Characteristics	All	102	103	104	105	106	107	108	110	131
1.Number of factories	592	80	1	3	5	7	64	1	3	28
2.Factories in operation	531	72	1	3	5	5	54	1	3	28
3. Fixed Capital	127508	50674	52	508	2691	801	14437	605	1722	3578
4.Physical Working Capital	113948	49703	379	179	783	48	15348	603	203	1183
5.Working Capital	61571	19235	10	110	3816	-588	3468	-76	1870	-8877
6.Invested Capital	241455	100377	431	687	3474	848	29786	1208	1925	4761
7.Gross Value of Additions to Fixed Capital	23806	9369	6	16	202	57	4770	17	283	1386
8.Rent Paid	1938	643	0	0	0	0	736	0	10	86
9.Outstanding Loan	75619	24774	63	36	118	302	12083	2481	112	2986
10.Interest paid	14505	6570	47	10	39	34	2529	1	13	357
11.Rent received	123	65	0	0	0	0	25	0	0	0
12.Interest received	3310	991	0	0	4	4	305	1	1	20
13.Gross Value of P & M	50057	23480	0	0	0	0	608	1268	4193	1044
14.Value of Products & By-products'	695128	330621	462	1378	16840	747	55822	12148	2840	13566
15.Total Output	762215	348960	465	1397	17327	1116	68903	14696	2928	13872
16.Fuel Consumed	14273	7576	5	16	261	30	731	165	251	372
17.Materials Consumed for Manufacturing	544775	296683	293	1320	13377	632	42102	11018	1610	10503
18.Total Input	666168	325636	328	1363	14750	930	57883	14622	2120	12730
19.Gross Value Added (GVA)	96047	23324	137	34	2577	186	11020	75	808	1142
20.Depreciation	12117	4660	7	82	269	52	1190	54	262	205
21.Net Value Added (NVA)	83930	18664	130	-48	2308	134	9830	20	546	937
22.Net Fixed Capital Formation(NFCF)	7230	2595	-1	-67	-82	5	2230	-38	-18	1180
23.Gross Fixed Capital Formation (GFCF)	19347	7255	6	16	188	57	3420	17	244	1386
24.Addition in stock of:	20217	11032	164	-47	166	-7	3031	-83	-185	279
(a) Materials, Fuels etc.	5913	2477	207	-65	34	-4	1253	-123	-193	138
(b) Semi-Finished Goods	2452	831	-49	0	0	0	1655	0	-9	17
(c) Finished Goods	11851	7723	6	19	132	-4	122	40	17	123
25.Gross Capital Formation	39564	18287	170	-31	354	50	6451	-66	59	1664
26.Net Income	70919	12506	83	-59	2273	104	6896	21	525	514
27.Profit	15338	-1996	32	-64	1342	18	-2777	-687	-113	-926

Table1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Value in ₹lakh unless otherwise mentioned)

District: Alappuzha	139	141	152	161	162	170	181	192	201	202	210
Characteristics	139	141	152	161	162	170	181	192	201	202	210
1.Number of factories	135	2	1	16	5	19	3	1	4	8	14
2.Factories in operation	124	2	1	16	5	16	2	1	4	6	14
3. Fixed Capital	28955	43	73	83	690	492	46	180	69	1041	3326
4.Physical Working Capital	26268	19	39	36	341	264	1	0	2	183	1147
5.Working Capital	44236	52	-16	22	-297	407	-44	-154	28	251	-6115
6.Invested Capital	55222	62	111	119	1032	756	47	180	71	1224	4473
7.Gross Value of Additions to Fixed Capital	5062	4	25	0	14	74	0	3	0	513	223
8.Rent Paid	122	4	0	0	1	19	0	0	0	0	17
9.Outstanding Loan	15302	37	68	17	597	134	0	79	120	1147	5094
10.Interest paid	2870	0	2	5	3	83	0	4	0	6	606
11.Rent received	23	0	0	0	0	0	8	0	0	0	0
12.Interest received	1171	0	0	0	0	0	0	0	3	0	234
13.Gross Value of P & M	13218	0	0	0	0	0	0	171	100	338	1752
14.Value of Products & By-products'	175707	257	212	519	544	3669	0	0	131	0	6907
15.Total Output	190441	273	212	521	553	3702	37	39	145	539	7234
16.Fuel Consumed	2298	3	6	5	33	128	3	3	60	7	161
17.Materials Consumed for Manufacturing	118128	138	138	402	643	2570	19	1	16	0	3785
18.Total Input	154439	155	161	422	749	3055	23	8	90	58	4280
19.Gross Value Added (GVA)	36003	117	51	99	-196	646	14	31	55	481	2954
20.Depreciation	2835	7	8	7	77	65	6	27	14	27	388
21.Net Value Added (NVA)	33167	110	43	92	-273	581	7	3	41	454	2565
22.Net Fixed Capital Formation(NFCF)	2001	-3	16	-7	-63	-4	-6	-24	-18	170	-177
23.Gross Fixed Capital Formation (GFCF)	4837	4	25	0	14	61	0	3	-4	197	211
24.Addition in stock of:	4483	2	21	-19	205	0	0	0	0	172	180
(a) Materials, Fuels etc.	1465	-2	16	0	54	0	0	0	0	172	45
(b) Semi-Finished Goods	-9	0	0	0	0	1	0	0	0	0	176
(c) Finished Goods	3027	3	4	-19	151	-1	0	0	0	0	-41
25.Gross Capital Formation	9320	6	45	-19	220	61	0	3	-4	368	391
26.Net Income	31368	107	40	87	-277	480	15	-1	43	449	2176
27.Profit	18703	10	11	62	-345	103	11	-26	-34	-187	419

Table1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Value in ₹lakh unless otherwise mentioned)

District: Alappuzha	221	222	239	241	242	243	251	259	265	271	282
Characteristics	221	222	239	241	242	243	251	259	265	271	282
1.Number of factories	19	8	67	1	1	2	7	6	1	6	5
2.Factories in operation	19	8	50	0	1	2	7	6	1	6	5
3. Fixed Capital	1372	769	1163	0	377	644	1065	2341	396	63	1475
4.Physical Working Capital	711	116	123	0	260	1070	244	823	424	544	645
5.Working Capital	42	-251	342	0	274	-609	-1253	356	-21	186	1036
6.Invested Capital	2083	885	1286	0	637	1714	1309	3164	820	607	2121
7.Gross Value of Additions to Fixed Capital	89	36	307	0	0	3	51	121	7	21	221
8.Rent Paid	55	0	21	0	0	7	3	11	0	5	7
9.Outstanding Loan	502	361	498	0	823	880	434	1566	0	20	1146
10.Interest paid	56	57	65	0	110	1	66	282	2	0	224
11.Rent received	0	0	0	0	0	0	0	0	1	0	0
12.Interest received	174	2	1	0	1	1	9	4	7	2	27
13.Gross Value of P & M	732	0	0	0	0	0	206	1074	443	186	491
14.Value of Products & By-products'	22641	2010	2140	0	523	5724	457	6814	1246	3209	2081
15.Total Output	23351	2017	2178	0	523	5735	2545	7201	2443	3230	2223
16.Fuel Consumed	321	80	95	0	25	548	61	143	14	26	58
17.Materials Consumed for Manufacturing	4821	1444	1403	0	415	2746	257	5488	813	2429	1047
18.Total Input	21233	1601	1620	0	461	3498	1868	6808	1758	2695	1258
19.Gross Value Added (GVA)	2118	417	558	0	63	2236	677	393	686	536	965
20.Depreciation	143	46	169	0	13	74	86	335	0	11	102
21.Net Value Added (NVA)	1975	371	389	0	49	2162	590	58	686	524	863
22.Net Fixed Capital Formation(NFCF)	-59	-16	25	0	-13	-71	-35	-258	7	10	118
23.Gross Fixed Capital Formation (GFCF)	85	30	194	0	0	3	51	77	7	21	221
24.Addition in stock of:	-12	-4	18	0	-89	115	15	243	-73	172	-74
(a) Materials, Fuels etc.	59	14	7	0	-10	124	-51	55	-47	31	4
(b) Semi-Finished Goods	-9	0	0	0	-53	-10	-14	16	-21	76	-17
(c) Finished Goods	-62	-19	11	0	-27	0	80	172	-4	65	-60
25.Gross Capital Formation	73	26	211	0	-89	118	66	320	-66	193	147
26.Net Income	2038	315	304	0	-59	2154	531	-231	691	521	659
27.Profit	344	32	154	0	-76	-237	-64	-391	-483	-28	-1

Table1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Value in ₹lakh unless otherwise mentioned)

District: Alappuzha	301	309	310	329	331	332	353	452	454	521	829
Characteristics	301	309	310	329	331	332	353	452	454	521	829
1.Number of factories	4	1	4	7	1	1	1	39	5	5	1
2.Factories in operation	4	1	3	7	1	1	1	35	5	5	1
3. Fixed Capital	530	15	99	1681	8	13	9	4037	290	1094	0
4.Physical Working Capital	2163	0	212	8086	24	34	0	1293	86	362	0
5.Working Capital	-103	-4	76	5064	111	37	0	-826	-165	-72	13
6.Invested Capital	2693	15	311	9767	32	46	9	5330	376	1456	0
7.Gross Value of Additions to Fixed Capital	8	0	2	143	2	0	0	505	40	225	0
8.Rent Paid	2	0	0	13	0	0	0	130	25	20	1
9.Outstanding Loan	849	0	121	1830	0	0	0	945	34	62	0
10.Interest paid	65	0	13	132	0	0	0	251	1	0	0
11.Rent received	0	0	0	0	0	0	0	0	0	0	0
12.Interest received	3	0	0	335	0	0	0	5	0	3	0
13.Gross Value of P & M	313	0	0	0	0	42	0	345	53	0	0
14.Value of Products & By-products'	788	0	219	17009	0	82	0	675	0	7141	0
15.Total Output	1068	0	366	17227	611	96	31	9274	980	7536	218
16.Fuel Consumed	27	1	7	103	3	7	14	266	49	312	0
17.Materials Consumed for Manufacturing	459	0	130	12227	1	48	5	1173	39	6441	12
18.Total Input	716	1	297	14480	571	68	20	5547	634	7111	121
19.Gross Value Added (GVA)	351	-1	68	2748	40	29	12	3727	346	426	97
20.Depreciation	33	2	8	223	1	4	10	419	54	138	0
21.Net Value Added (NVA)	319	-3	60	2525	39	25	1	3308	292	288	97
22.Net Fixed Capital Formation(NFCF)	-76	-2	-6	-80	0	-4	-104	26	-13	87	0
23.Gross Fixed Capital Formation (GFCF)	-43	0	2	143	2	0	-93	445	40	225	0
24.Addition in stock of:	-81	0	40	264	2	25	0	52	21	190	0
(a) Materials, Fuels etc.	46	0	31	149	2	7	0	-3	21	0	0
(b) Semi-Finished Goods	-158	0	3	0	0	18	0	8	0	0	0
(c) Finished Goods	32	0	6	116	0	0	0	47	0	190	0
25.Gross Capital Formation	-124	0	42	407	4	25	-93	498	61	415	0
26.Net Income	255	-3	47	2715	39	25	1	2932	267	271	96
27.Profit	28	-3	1	1719	11	-9	-18	1038	-22	-220	11

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for year 2016-17
(Values in ₹lakhs unless otherwise mentioned)

District: Pathanamthitta															
Characteristics	All	104	105	106	107	110	139	152	161	162	181	201	202	210	221
1.Number of factories	211	3	3	2	49	3	4	2	7	6	1	2	1	2	14
2.Factories in operation	203	3	3	2	49	3	4	2	7	6	1	2	1	2	10
3. Fixed Capital	58295	213	2305	548	7882	232	1367	34	2274	85	19	188	1	138	325
4.Physical Working Capital	33005	175	674	291	11902	368	814	6	13804	117	22	16	0	4	143
5.Working Capital	43176	206	-1700	554	6995	1034	2208	-1	14243	260	-4	91	1	-8	94
6.Invested Capital	91300	388	2978	840	19783	600	2180	40	16079	203	42	205	1	142	468
7.Gross Value of Additions to Fixed Capital	6905	12	561	213	1726	15	367	0	212	0	0	12	0	35	0
8.Rent Paid	613	0	0	0	83	0	0	0	0	0	0	0	0	0	20
9.Outstanding Loan	35552	204	4036	1710	2797	10	743	0	73	127	3	107	0	4	22
10.Interest paid	4725	0	73	150	1211	0	246	1	1	1	0	9	0	1	13
11.Rent received	115	0	0	0	2	84	16	0	0	0	0	0	0	0	0
12.Interest received	317	2	3	0	193	15	15	0	0	0	0	0	0	0	1
13.Gross Value of P & M	31457	0	641	368	3769	120	126	0	0	142	0	0	0	0	281
14.Value of Products & By-products'	141574	818	17059	2029	60249	4751	4089	0	122	589	0	358	0	166	2924
15.Total Output	190356	872	18321	2031	64285	4834	4173	43	1770	672	89	362	0	236	3306
16.Fuel Consumed	6040	25	266	68	984	18	48	1	1	32	2	6	0	3	88
17.Materials Consumed for Manufacturing	97298	766	14945	1573	49485	3918	2400	0	985	434	2	230	0	138	2041
18.Total Input	150547	848	16995	1698	56123	4166	3216	3	1225	487	71	290	0	151	2214
19.Gross Value Added (GVA)	39810	24	1325	334	8162	668	957	40	546	185	18	73	0	84	1092
20.Depreciation	6544	25	345	83	698	20	115	4	54	10	3	24	0	16	36
21.Net Value Added (NVA)	33265	-1	980	250	7465	647	842	36	491	175	14	49	0	68	1056
22.Net Fixed Capital Formation(NFCF)	-823	-14	-59	127	898	-5	232	-4	157	-9	-3	-31	0	19	-64
23.Gross Fixed Capital Formation (GFCF)	5721	12	286	210	1596	15	348	0	212	0	0	-7	0	35	-28
24.Addition in stock of:	1662	152	-39	173	-1750	61	65	0	2914	-39	-11	3	0	3	-45
(a) Materials, Fuels etc.	-375	60	-66	176	-3779	55	40	0	2738	-12	-11	1	0	3	-29
(b) Semi-Finished Goods	118	0	0	-22	139	0	-9	0	0	9	0	0	0	0	0
(c) Finished Goods	1920	92	27	19	1890	6	34	0	175	-35	0	2	0	0	-16
25.Gross Capital Formation	7383	164	247	383	-154	76	412	0	3125	-38	-11	-4	0	37	-73
26.Net Income	28359	1	910	100	6366	747	627	35	491	175	14	40	0	68	1024
27.Profit	9248	-30	45	51	2958	452	512	4	-371	56	0	11	0	18	659

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for year 2016-17
(Values in ₹lakhs unless otherwise mentioned)

District: Pathanamthitta	222	239	251	259	274	310	325	351	452	454	960
Characteristics											
1.Number of factories	3	51	2	2	1	1	2	2	44	3	1
2.Factories in operation	3	47	2	2	1	1	2	2	44	3	1
3. Fixed Capital	210	21913	945	192	23	12	10	17198	1813	266	101
4.Physical Working Capital	434	935	845	317	5	3	16	10	1984	119	1
5.Working Capital	268	-3448	-238	252	11	-123	-17	-1039	23383	154	2
6.Invested Capital	644	22848	1790	509	28	15	26	17208	3797	385	103
7.Gross Value of Additions to Fixed Capital	1	2477	452	8	5	1	0	426	298	84	1
8.Rent Paid	0	9	0	1	0	0	2	44	437	15	1
9.Outstanding Loan	229	9206	308	349	5	0	0	13089	2310	165	57
10.Interest paid	22	1138	127	7	7	0	0	1595	80	35	8
11.Rent received	0	12	0	0	0	0	0	0	0	0	0
12.Interest received	0	74	1	0	0	0	0	4	8	0	0
13.Gross Value of P & M	0	11060	127	0	0	5	4	14277	359	0	178
14.Value of Products & By-products'	431	42136	3888	257	0	61	7	1530	28	81	0
15.Total Output	443	43764	5762	258	313	122	59	1983	35324	1259	76
16.Fuel Consumed	5	3690	46	19	30	1	2	5	680	8	14
17.Materials Consumed for Manufacturing	144	7565	3709	139	171	28	13	9	7882	714	5
18.Total Input	277	23928	5290	172	243	84	19	746	31274	994	33
19.Gross Value Added (GVA)	166	19836	473	86	70	38	40	1237	4050	265	43
20.Depreciation	18	3895	96	29	3	2	1	771	252	23	20
21.Net Value Added (NVA)	148	15941	377	58	67	36	39	466	3798	242	23
22.Net Fixed Capital Formation(NFCF)	-24	-2047	353	-21	-20	-1	-1	-345	-5	62	-19
23.Gross Fixed Capital Formation (GFDCF)	-5	1849	449	8	-17	1	0	426	247	84	1
24.Addition in stock of:	392	-371	148	5	5	1	-9	-80	96	-11	1
(a) Materials, Fuels etc.	391	-49	166	26	5	1	0	-80	0	-11	1
(b) Semi-Finished Goods	0	0	0	3	0	0	0	0	-1	0	0
(c) Finished Goods	0	-322	-18	-23	0	0	-9	0	98	0	0
25.Gross Capital Formation	386	1478	597	13	-13	2	-9	345	343	73	3
26.Net Income	126	14879	250	50	59	36	37	-1170	3289	192	14
27.Profit	79	5227	109	28	14	-2	5	-1341	680	104	-18

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008
(Values in ₹lakh unless otherwise mentioned)

District: Kollam	All	102	103	104	105	106	107	110	131
Characteristics									
1.Number of factories	1121	24	1	3	4	2	579	3	7
2.Factories in operation	955	21	1	3	4	2	579	3	7
3. Fixed Capital	161457	11404	298	2230	2762	87	60054	218	270
4.Physical Working Capital	141802	20535	25	1953	589	259	83271	75	193
5.Working Capital	-20764	2203	-215	193	3246	477	-39581	24	-6846
6.Invested Capital	303259	31938	323	4183	3351	345	143325	293	463
7.Gross Value of Additions to Fixed Capital	18049	671	1	440	686	0	5953	38	0
8.Rent Paid	511	123	0	15	12	0	215	0	1
9.Outstanding Loan	108748	6440	0	0	245	677	65683	63	12372
10.Interest paid	18316	2140	0	0	96	35	10486	16	1728
11.Rent received	244	0	0	0	2	0	139	0	0
12.Interest received	1924	104	0	90	14	1	1026	0	0
13.Gross Value of P & M	68658	1220	0	1991	2010	194	4609	0	2135
14.Value of Products & By-products'	576097	59648	144	17390	29722	1526	365445	278	630
15.Total Output	735538	61547	145	21584	30735	1536	466407	284	644
16.Fuel Consumed	23532	2352	3	45	581	74	1595	12	89
17.Materials Consumed for Manufacturing	453152	53179	103	17435	24354	1306	308501	204	474
18.Total Input	621427	58273	114	20032	27594	1456	414585	223	614
19.Gross Value Added (GVA)	114111	3274	30	1552	3142	80	51822	61	29
20.Depreciation	12679	1103	15	55	389	8	4204	33	30
21.Net Value Added (NVA)	101432	2170	15	1497	2753	72	47618	28	-1
22.Net Fixed Capital Formation(NFCF)	3167	-484	-14	-30	201	-8	760	5	-30
23.Gross Fixed Capital Formation (GFCF)	15845	620	1	25	590	0	4963	38	0
24.Addition in stock of:	-27632	5769	6	-1859	55	25	-23537	11	28
(a) Materials, Fuels etc.	-5948	831	2	-1859	58	45	-4558	2	47
(b) Semi-Finished Goods	-3155	-51	0	0	0	0	-2580	0	-3
(c) Finished Goods	-18529	4988	4	0	-3	-20	-16399	9	-16
25.Gross Capital Formation	-11787	6388	7	-1834	645	25	-18574	49	28
26.Net Income	84773	11	15	1572	2660	38	38082	12	-1729
27.Profit	13337	-1799	-20	-140	966	7	3323	-13	-2454

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008
(Values in ₹lakh unless otherwise mentioned)

District: Kollam	139	141	152	161	162	170	181	191	192	201
Characteristics										
1.Number of factories	3	2	1	30	7	8	8	1	2	1
2.Factories in operation	3	2	1	23	5	8	7	1	2	1
3. Fixed Capital	106	84	12	1194	116	4129	591	29	13643	25970
4.Physical Working Capital	179	124	0	88	195	599	299	0	23	14078
5.Working Capital	111	93	0	-144	-112	618	-242	0	23	26167
6.Invested Capital	285	208	12	1282	310	4728	891	29	13666	40048
7.Gross Value of Additions to Fixed Capital	2	10	0	19	0	228	34	0	0	1676
8.Rent Paid	0	0	0	0	2	1	0	0	3	0
9.Outstanding Loan	6	6	0	0	24	613	271	10	0	0
10.Interest paid	16	0	0	41	45	120	48	0	0	73
11.Rent received	0	0	0	0	0	0	0	0	0	0
12.Interest received	0	0	0	0	0	10	0	0	0	498
13.Gross Value of P & M	0	0	0	0	60	792	0	0	25103	27457
14.Value of Products & By-products'	383	922	0	474	834	4295	1025	0	0	55144
15.Total Output	386	937	0	537	842	4446	1164	0	3415	56175
16.Fuel Consumed	9	11	0	18	38	422	43	0	116	15653
17.Materials Consumed for Manufacturing	256	442	0	318	639	2898	603	0	95	14220
18.Total Input	291	507	0	393	704	3519	852	0	1017	31870
19.Gross Value Added (GVA)	96	429	0	144	138	927	312	0	2397	24305
20.Depreciation	15	13	0	39	14	240	82	3	1016	1060
21.Net Value Added (NVA)	81	417	0	105	124	687	231	-3	1381	23245
22.Net Fixed Capital Formation(NFCF)	-13	-3	0	-20	-14	-12	-47	-3	-1016	26
23.Gross Fixed Capital Formation (GFDCF)	2	10	0	19	0	228	34	0	0	1086
24.Addition in stock of:	2	-50	0	-11	45	170	-88	0	1	-11387
(a) Materials, Fuels etc.	-12	-40	0	-4	43	200	4	0	1	-2772
(b) Semi-Finished Goods	0	0	0	-1	1	1	-37	0	0	-333
(c) Finished Goods	15	-10	0	-6	1	-31	-55	0	0	-8282
25.Gross Capital Formation	4	-40	0	8	45	397	-53	0	1	-10302
26.Net Income	64	416	0	64	77	576	182	-3	1379	23670
27.Profit	20	39	0	-31	18	161	28	-3	4	5854

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008
(Values in ₹lakh unless otherwise mentioned)

District: Kollam	202	210	221	222	239	241	242	251	259	271
Characteristics	202	210	221	222	239	241	242	251	259	271
1.Number of factories	4	7	10	8	312	2	2	1	7	7
2.Factories in operation	4	7	10	8	165	2	2	1	5	7
3. Fixed Capital	420	134	4417	3642	15620	1087	4	104	547	387
4.Physical Working Capital	294	47	399	734	1381	2785	4388	5	291	655
5.Working Capital	395	112	867	-422	-4476	2042	2839	-15	537	-9939
6.Invested Capital	713	181	4816	4376	17001	3872	4392	109	837	1043
7.Gross Value of Additions to Fixed Capital	109	12	345	877	4797	205	2	28	58	20
8.Rent Paid	7	0	4	1	0	0	0	0	1	5
9.Outstanding Loan	157	156	73	3212	8874	2200	5	105	566	2619
10.Interest paid	41	11	110	180	1451	35	2	11	68	521
11.Rent received	6	0	97	0	0	0	0	0	0	0
12.Interest received	0	1	67	3	39	17	0	0	0	19
13.Gross Value of P & M	130	0	952	0	327	1336	0	0	18	0
14.Value of Products & By-products'	1744	318	6263	4201	14816	2843	1729	0	1075	3560
15.Total Output	1753	328	6386	4352	15390	2928	1975	373	1129	4122
16.Fuel Consumed	20	15	343	189	694	508	147	26	23	52
17.Materials Consumed for Manufacturing	1093	124	2994	3570	6693	1849	981	0	635	2613
18.Total Input	1347	168	4254	3983	10139	2705	1202	203	741	3385
19.Gross Value Added (GVA)	407	160	2132	369	5250	223	774	170	387	737
20.Depreciation	40	21	224	334	1919	104	0	11	54	51
21.Net Value Added (NVA)	366	139	1909	35	3332	119	773	160	334	686
22.Net Fixed Capital Formation(NFCF)	66	-9	115	497	2974	76	1	18	1	-31
23.Gross Fixed Capital Formation (GFCF)	107	12	338	831	4892	180	2	28	55	20
24.Addition in stock of:	91	2	-186	123	854	435	382	0	-20	-210
(a) Materials, Fuels etc.	54	1	-34	37	219	-65	202	0	18	-79
(b) Semi-Finished Goods	-5	0	-90	-18	134	0	-76	0	-10	-45
(c) Finished Goods	43	0	-62	104	501	500	256	0	-28	-86
25.Gross Capital Formation	198	14	152	953	5746	614	383	28	35	-190
26.Net Income	324	129	1958	-142	1919	101	772	148	265	178
27.Profit	167	19	461	-489	-820	23	429	37	79	-1143

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008
(Values in ₹lakh unless otherwise mentioned)

District: Kollam	282	292	303	310	321	324	331	452	454	960
Characteristics	282	292	303	310	321	324	331	452	454	960
1.Number of factories	2	1	1	4	1	1	1	50	10	4
2.Factories in operation	2	1	1	4	1	1	1	47	10	4
3. Fixed Capital	130	6	87	144	20	50	23	10537	774	128
4.Physical Working Capital	41	0	0	293	377	0	0	7185	431	13
5.Working Capital	-543	3	41	40	-363	1	28	3655	-1640	60
6.Invested Capital	171	6	87	437	397	50	23	17723	1205	141
7.Gross Value of Additions to Fixed Capital	0	0	29	35	0	11	0	1617	48	98
8.Rent Paid	0	0	5	0	1	11	0	96	6	2
9.Outstanding Loan	205	3	40	104	417	0	0	3050	325	229
10.Interest paid	0	0	3	23	10	0	1	940	39	25
11.Rent received	0	0	0	0	0	0	0	0	0	0
12.Interest received	0	0	0	0	0	0	0	33	0	0
13.Gross Value of P & M	59	0	0	0	0	55	0	211	0	0
14.Value of Products & By-products'	98	0	0	123	1355	0	0	61	0	52
15.Total Output	105	11	99	123	1355	147	56	40852	3065	206
16.Fuel Consumed	8	1	6	6	0	6	0	402	12	12
17.Materials Consumed for Manufacturing	25	0	11	65	1309	3	0	5960	174	24
18.Total Input	59	1	29	79	1310	24	2	27526	2104	120
19.Gross Value Added (GVA)	46	10	70	44	45	123	53	13326	961	86
20.Depreciation	14	1	16	16	4	5	2	1460	74	12
21.Net Value Added (NVA)	32	9	55	29	41	118	51	11866	887	73
22.Net Fixed Capital Formation(NFCF)	-14	0	13	20	-4	2	-2	89	-26	84
23.Gross Fixed Capital Formation (GFCF)	0	0	29	35	0	7	0	1549	48	96
24.Addition in stock of:	10	0	0	-17	-224	0	0	1932	18	0
(a) Materials, Fuels etc.	-5	0	0	-8	-224	0	0	1932	18	0
(b) Semi-Finished Goods	0	0	0	-42	0	0	0	0	0	0
(c) Finished Goods	15	0	0	33	0	0	0	0	0	0
25.Gross Capital Formation	10	0	29	18	-224	7	0	3481	66	97
26.Net Income	32	9	48	6	30	107	51	10863	842	46
27.Profit	-14	3	1	-21	12	1	22	8088	506	14

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Thiruvananthapuram	All	102	103	104	105	106	107	110	131	141	161
Characteristics	All	102	103	104	105	106	107	110	131	141	161
1.Number of factories	322	2	1	0	5	3	58	1	18	4	6
2.Factories in operation	281	2	1	0	5	3	46	1	14	4	2
3. Fixed Capital	106085	298	39	0	2255	345	5566	29	978	1361	44
4.Physical Working Capital	58179	986	9	0	1162	1251	7809	18	470	70	1
5.Working Capital	40827	405	32	0	332	1079	8295	-135	317	-312	2
6.Invested Capital	164264	1284	49	0	3417	1596	13375	47	1448	1431	46
7.Gross Value of Additions to Fixed Capital	14528	15	18	0	104	31	610	0	116	1	0
8.Rent Paid	2188	2	0	0	50	0	50	0	0	112	0
9.Outstanding Loan	55640	519	39	0	481	116	2669	0	9067	0	0
10.Interest paid	8023	58	9	0	50	46	976	0	533	0	0
11.Rent received	325	2	0	0	10	0	256	0	1	0	0
12.Interest received	473	0	0	0	10	7	23	0	41	1	0
13.Gross Value of P & M	92573	232	0	0	5	270	1137	166	2492	0	0
14.Value of Products & By-products'	255883	2887	186	0	34597	4896	24572	0	3326	853	47
15.Total Output	345736	3025	193	0	34838	8007	50761	0	3386	1153	47
16.Fuel Consumed	19114	56	3	0	449	106	493	2	620	99	0
17.Materials Consumed for Manufacturing	138396	2633	123	0	28929	4945	20497	0	2175	383	33
18.Total Input	249444	2784	140	0	30733	7333	46771	73	2933	796	34
19.Gross Value Added (GVA)	96291	241	53	0	4105	674	3991	-73	452	357	13
20.Depreciation	11790	53	7	0	398	47	451	2	187	55	0
21.Net Value Added (NVA)	84502	188	46	0	3707	627	3540	-76	266	302	12
22.Net Fixed Capital Formation(NFCF)	1016	-38	12	0	-298	-17	98	-2	-67	-54	0
23.Gross Fixed Capital Formation (GFCF)	12806	15	18	0	101	31	548	0	120	1	0
24.Addition in stock of:	3330	213	-1	0	301	107	2126	0	-323	-41	0
(a) Materials, Fuels etc.	2975	16	6	0	116	68	2215	0	70	-42	0
(b) Semi-Finished Goods	-444	0	0	0	19	0	0	0	4	21	0
(c) Finished Goods	799	197	-7	0	166	39	-90	0	-397	-19	0
25.Gross Capital Formation	16136	227	18	0	401	138	2674	0	-204	-40	0
26.Net Income	75090	130	37	0	3628	588	2792	-76	-226	190	12
27.Profit	16163	-37	7	0	1419	414	275	-127	-1290	-1414	6

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Thiruvananthapuram	162	170	181	192	201	202	210	221	222	231
Characteristics	162	170	181	192	201	202	210	221	222	231
1.Number of factories	3	6	15	2	2	1	9	14	13	1
2.Factories in operation	3	4	13	2	2	1	9	14	13	1
3. Fixed Capital	734	338	7207	1433	946	29	1540	6806	14615	380
4.Physical Working Capital	144	361	940	0	4217	24	978	3820	8615	95
5.Working Capital	6	182	-320	13	-7027	43	1828	-14648	28962	-180
6.Invested Capital	878	699	8147	1433	5163	53	2517	10626	23229	475
7.Gross Value of Additions to Fixed Capital	71	4	1469	294	5	0	289	377	2192	9
8.Rent Paid	2	19	57	0	1	0	233	3	77	0
9.Outstanding Loan	411	153	4541	0	2530	31	2189	1327	4443	208
10.Interest paid	82	31	513	0	712	1	310	907	478	78
11.Rent received	6	0	22	0	0	0	0	3	0	0
12.Interest received	1	0	45	0	25	0	4	10	55	2
13.Gross Value of P & M	0	188	6786	894	5033	0	594	9115	20865	970
14.Value of Products & By-products'	1847	1583	9504	0	13235	97	8494	20095	37829	662
15.Total Output	2819	1625	13149	906	13475	97	10642	23348	47210	664
16.Fuel Consumed	142	47	306	15	1804	1	204	1821	1449	54
17.Materials Consumed for Manufacturing	1162	1109	4522	104	4412	66	3575	12449	17710	339
18.Total Input	2379	1400	7083	493	7328	75	7426	16099	30920	424
19.Gross Value Added (GVA)	439	225	6066	413	6147	22	3217	7249	16290	239
20.Depreciation	109	31	923	68	100	3	147	734	2069	54
21.Net Value Added (NVA)	330	195	5143	345	6047	19	3070	6515	14221	185
22.Net Fixed Capital Formation(NFCF)	-43	-27	-165	209	-95	-3	134	-380	-26	-45
23.Gross Fixed Capital Formation (GFCF)	66	4	759	277	5	0	281	354	2043	9
24.Addition in stock of:	52	135	-387	0	-365	1	-279	157	-44	20
(a) Materials, Fuels etc.	41	43	-400	0	23	1	66	106	-314	20
(b) Semi-Finished Goods	0	0	13	0	-95	0	-149	-485	146	0
(c) Finished Goods	11	92	0	0	-293	0	-196	536	125	0
25.Gross Capital Formation	118	139	372	277	-360	1	2	511	2000	29
26.Net Income	253	145	4639	345	5359	19	2530	5618	13722	109
27.Profit	2	-23	1991	-4	293	8	780	-457	6485	8

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Thiruvananthapuram	239	243	251	259	261	262	263	264	271	274	275
Characteristics	239	243	251	259	261	262	263	264	271	274	275
1.Number of factories	37	2	4	2	3	1	1	2	2	2	1
2.Factories in operation	34	2	4	2	3	1	1	2	2	2	1
3. Fixed Capital	32730	35	97	8	176	4	625	122	421	165	51
4.Physical Working Capital	6009	15	986	42	241	133	1851	447	1231	188	41
5.Working Capital	4991	-234	174	48	176	256	5289	869	2870	382	4
6.Invested Capital	38740	49	1082	50	417	137	2477	569	1652	353	92
7.Gross Value of Additions to Fixed Capital	4307	0	6	0	5	1	114	13	158	0	15
8.Rent Paid	615	0	10	0	6	13	0	0	37	1	0
9.Outstanding Loan	7309	5	124	9	203	0	0	0	0	1	8
10.Interest paid	1615	0	166	10	33	0	0	11	2	53	1
11.Rent received	0	0	0	0	0	0	24	0	0	0	0
12.Interest received	96	1	10	0	1	0	4	1	46	2	0
13.Gross Value of P & M	33148	41	144	24	112	0	982	185	1170	120	0
14.Value of Products & By-products'	67563	69	1420	0	777	335	3805	934	6412	1176	133
15.Total Output	68488	108	1440	152	977	347	8221	1058	6519	1188	186
16.Fuel Consumed	10105	17	23	4	10	4	47	4	63	20	7
17.Materials Consumed for Manufacturing	19949	54	692	6	315	189	3854	444	3532	771	78
18.Total Input	43744	96	978	113	565	229	5837	572	4084	1026	121
19.Gross Value Added (GVA)	24744	12	462	38	413	118	2384	485	2435	162	65
20.Depreciation	3743	6	13	1	19	0	203	32	73	23	7
21.Net Value Added (NVA)	21000	6	449	37	394	118	2181	453	2362	139	58
22.Net Fixed Capital Formation(NFCF)	280	-6	-28	-1	-14	1	-89	-20	85	-23	8
23.Gross Fixed Capital Formation (GFCF)	4024	0	-15	0	5	1	114	13	158	0	15
24.Addition in stock of:	532	-22	151	-7	55	0	-427	21	-206	28	4
(a) Materials, Fuels etc.	17	-8	-17	-1	43	0	-128	5	-2	10	-4
(b) Semi-Finished Goods	92	2	158	0	12	0	-299	16	-39	0	9
(c) Finished Goods	423	-16	10	-6	0	0	0	0	-164	17	-1
25.Gross Capital Formation	4556	-21	136	-7	60	1	-313	34	-48	28	19
26.Net Income	18866	6	285	28	355	105	2210	444	2370	87	57
27.Profit	7647	-38	49	7	27	67	-251	-161	832	-8	14

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Thiruvananthapuram	279	281	282	301	303	309	310	325	331	332	452	454
Characteristics	279	281	282	301	303	309	310	325	331	332	452	454
1.Number of factories	4	2	3	1	2	2	10	4	1	1	57	4
2.Factories in operation	4	2	3	1	2	2	10	4	1	0	46	4
3. Fixed Capital	185	58	325	35	2008	135	280	439	0	0	22198	241
4.Physical Working Capital	616	39	322	33	1674	510	590	711	0	0	10848	601
5.Working Capital	3949	36	770	40	4817	-2476	-160	1276	0	0	-1599	607
6.Invested Capital	801	98	648	67	3681	645	870	1151	0	0	33046	842
7.Gross Value of Additions to Fixed Capital	6	0	32	0	213	0	45	26	0	0	3816	69
8.Rent Paid	23	1	5	0	0	8	1	6	0	0	809	41
9.Outstanding Loan	367	231	398	62	44	3104	236	0	0	0	14120	123
10.Interest paid	32	3	87	0	5	3	77	41	0	0	1031	14
11.Rent received	0	0	0	0	0	0	0	0	0	0	0	0
12.Interest received	0	1	2	0	69	0	1	0	0	0	9	0
13.Gross Value of P & M	238	16	414	0	5045	492	204	313	0	0	966	5
14.Value of Products & By-products'	688	139	850	133	2119	697	993	2008	0	0	956	0
15.Total Output	4644	161	911	134	5091	797	1166	2067	0	0	24243	747
16.Fuel Consumed	60	3	23	0	189	18	17	31	0	0	632	10
17.Materials Consumed for Manufacturing	436	71	214	88	545	574	559	273	0	0	418	48
18.Total Input	3265	100	339	92	1659	736	788	772	0	0	17859	497
19.Gross Value Added (GVA)	1379	61	572	41	3432	61	378	1295	0	0	6384	250
20.Depreciation	49	6	43	1	251	12	16	53	0	0	1668	28
21.Net Value Added (NVA)	1330	54	529	40	3181	48	362	1242	0	0	4715	222
22.Net Fixed Capital Formation(NFCF)	-43	-6	-12	-1	-39	-12	21	-26	0	0	1712	41
23.Gross Fixed Capital Formation (GFCF)	6	0	31	0	213	0	37	28	0	0	3381	69
24.Addition in stock of:	78	3	52	17	384	-30	286	57	0	0	680	33
(a) Materials, Fuels etc.	3	4	59	17	251	3	257	85	0	0	310	33
(b) Semi-Finished Goods	2	11	46	0	125	-12	2	-5	0	0	0	0
(c) Finished Goods	74	-11	-53	0	9	-22	26	-23	0	0	371	0
25.Gross Capital Formation	84	3	83	17	597	-30	323	85	0	0	4061	102
26.Net Income	1276	52	440	40	3245	38	286	1195	0	0	2885	166
27.Profit	303	-7	87	1	184	-523	-140	853	0	0	-1252	-5

Table 1.5: Distribution of selected characteristics of factory sector by 3-digit NIC 2008 for the year 2016-17
(Values in ₹lakh unless otherwise mentioned)

District: Thiruvananthapuram			
Characteristics	591	952	960
1.Number of factories	3	1	6
2.Factories in operation	2	1	6
3. Fixed Capital	27	8	769
4.Physical Working Capital	0	17	63
5.Working Capital	-332	43	157
6.Invested Capital	27	25	832
7.Gross Value of Additions to Fixed Capital	0	0	98
8.Rent Paid	0	4	2
9.Outstanding Loan	0	0	572
10.Interest paid	0	0	57
11.Rent received	0	0	0
12.Interest received	4	0	1
13.Gross Value of P & M	0	0	210
14.Value of Products & By-products'	0	0	-35
15.Total Output	316	199	1233
16.Fuel Consumed	0	2	155
17.Materials Consumed for Manufacturing	0	1	122
18.Total Input	83	177	486
19.Gross Value Added (GVA)	233	22	747
20.Depreciation	4	2	97
21.Net Value Added (NVA)	229	20	650
22.Net Fixed Capital Formation(NFCF)	-4	-2	1
23.Gross Fixed Capital Formation (GFCF)	0	0	97
24.Addition in stock of:	0	-1	-33
(a) Materials, Fuels etc.	0	-1	2
(b) Semi-Finished Goods	0	0	-35
(c) Finished Goods	0	0	0
25.Gross Capital Formation	0	-1	65
26.Net Income	232	16	592
27.Profit	31	8	102

Table 2: Distribution of Estimate of (i) employment (ii) mandays employed (iii) emolument of Kerala for the year 2016-17

Characteristics	All
A. No.of persons Engaged(no.)	326644
1. Workers	259160
1.1 Directly Employed	221358
1.1.1 Men	115322
1.1.2 Women	106035
1.2 Employed Through Contractors	37803
2. Employees Other Than Workers	65021
2.1 Supervisory & Managerial Staff	29063
2.2 Other Employees	35957
3. Unpaid family members/proprietor etc.	2463
B. Total Man-days employed (in '000)	93473
C. Wages and Salaries Including Employer's Contribution (₹ lakhs)	819994
1 Wages & Salary Including Bonus	698282
1.1 Wages & Salary	661318
1.1.1 Workers	400633
1.1.2 Supervisory & Managerial	168215
1.1.3 Other Employees	92470
1.2 Bonus to all Staff	36964
2. Employer's Contribution	121712

**Table 2.1 Districtwise Estimate of (i) employment, (ii) mandays employed and (iii) emoluments paid
in the factories for the year 2016-17**

Characteristics	State	Kasargod	Kannur	Wayanad	Kozhikode
A. No.of persons Engaged(no.)	326644	14219	19004	2611	13672
1. Workers	259160	13243	16802	2138	10206
1.1 Directly Employed	221358	7150	15895	1964	9440
1.1.1 Men	115322	808	5490	1390	7520
1.1.2 Women	106035	6343	10405	574	1920
1.2 Employed Through Contractors	37803	6093	906	174	767
2. Employees Other Than Workers	65021	774	2010	459	3405
2.1 Supervisory & Managerial Staff	29063	298	1022	217	1348
2.2 Other Employees	35957	476	989	242	2057
3. Unpaid family members/proprietor etc.	2463	203	192	14	60
B. Total Man-days employed (in '000)	93473	3580	5375	796	4137
C. Wages and Salaries Including Employer's Contribution (₹ lakhs)	819994	11768	30131	5629	37612
1 Wages & Salary Including Bonus	698282	9741	26163	4811	32196
1.1 Wages & Salary	661318	8952	24181	4543	30788
1.1.1 Workers	400633	7365	18494	3014	15654
1.1.2 Supervisory & Managerial	168215	804	3359	1036	8018
1.1.3 Other Employees	92470	784	2328	492	7116
1.2 Bonus to all Staff	36964	789	1982	268	1408
2. Employer's Contribution	121712	2027	3968	818	5416

**Table 2.1 Districtwise Estimate of (i) employment, (ii) mandays employed and (iii) emoluments paid
in the factories for the year 2016-17**

Characteristics	Malappuram	Palakkad	Thrissur	Eranakulam	Idukki
A. No.of persons Engaged(no.)	7998	19573	22668	86946	6995
1. Workers	5551	14750	16079	63829	4943
1.1 Directly Employed	5043	11253	14300	46405	4588
1.1.1 Men	4125	8048	10068	33314	2873
1.1.2 Women	918	3205	4232	13091	1715
1.2 Employed Through Contractors	508	3497	1779	17424	355
2. Employees Other Than Workers	2166	4702	6344	22766	2005
2.1 Supervisory & Managerial Staff	763	2498	2598	11180	884
2.2 Other Employees	1403	2204	3747	11586	1121
3. Unpaid family members/proprietor etc.	281	121	245	352	47
B. Total Man-days employed (in '000)	2351	5850	6712	26774	2100
C. Wages and Salaries Including Employer's Contribution (₹ lakhs)	19785	51923	61358	304643	16021
1 Wages & Salary Including Bonus	17130	43435	50689	257428	13463
1.1 Wages & Salary	16458	41318	47906	247171	12630
1.1.1 Workers	9197	24552	31067	140284	6481
1.1.2 Supervisory & Managerial	4745	12313	10113	74339	3800
1.1.3 Other Employees	2515	4453	6727	32548	2349
1.2 Bonus to all Staff	673	2117	2783	10258	832
2. Employer's Contribution	2655	8488	10669	47215	2558

**Table 2.1 Districtwise Estimate of (i) employment, (ii) mandays employed and (iii) emoluments paid
in the factories for the year 2016-17**

Characteristics	Kottayam	Alappuzha	Pathanamthitta	Kollam	Thiruvananthapuram
A. No.of persons Engaged(no.)	18190	30016	9133	55379	20239
1. Workers	12322	25446	7319	50398	16135
1.1 Directly Employed	10158	24742	7198	50133	13088
1.1.1 Men	8333	11556	4560	9182	8055
1.1.2 Women	1825	13186	2638	40951	5032
1.2 Employed Through Contractors	2163	705	121	265	3047
2. Employees Other Than Workers	5768	4349	1707	4544	4021
2.1 Supervisory & Managerial Staff	2190	1470	1026	1759	1812
2.2 Other Employees	3578	2879	681	2786	2209
3. Unpaid family members/proprietor etc.	100	220	108	437	83
B. Total Man-days employed (in '000)	5703	8479	2543	13033	6039
C. Wages and Salaries Including Employer's Contribution (₹ lakhs)	76070	55581	19111	71436	58927
1 Wages & Salary Including Bonus	65953	48161	17508	62007	49597
1.1 Wages & Salary	63396	44802	16501	55178	47495
1.1.1 Workers	32173	30034	9905	42894	29519
1.1.2 Supervisory & Managerial	16552	7658	5211	8119	12148
1.1.3 Other Employees	14671	7109	1385	4165	5828
1.2 Bonus to all Staff	2556	3360	1006	6829	2102
2. Employer's Contribution	10118	7420	1603	9429	9330

**Table 2.2:Estimate of (i) employment, (ii) mandays employed and (iii) emoluments paid
in the factory sector by 2-digit industry division (NIC 2008)**

Characteristics	All	10	11	12	13	14	15	16	17	18	19
A. Average No.of persons	326644	95588	3503	19018	22147	9566	8058	9324	3998	6112	13428
1. Workers	259160	81983	2700	18343	18959	8556	6743	7172	3237	3241	12170
1.1 Directly employed	221358	79250	1423	12445	17659	8556	6393	6564	2497	3158	1711
1.1.1 Men	115322	17779	797	835	10956	2251	4859	4611	1732	2597	1704
1.1.2 Women	106035	61471	625	11610	6702	6305	1534	1953	765	561	7
1.2 Employed through Contractors	37803	2732	1277	5898	1301	0	351	609	740	83	10459
2. Employees other than worker	65021	13181	781	396	3068	1004	1274	1746	730	2855	1256
2.1 Supervisory & Managerial Staff	29063	5506	400	218	1257	417	509	1056	374	1039	800
2.2 Other employees	35957	7675	381	178	1812	588	765	690	355	1816	456
3. Unpaid family members/proprietor etc.	2463	424	23	279	119	7	41	406	31	17	2
B Total Man-days employed (in '000)	93473	24705	1024	4752	6569	2824	2350	2458	1066	2016	4792
C. Wages & Salariesincluding Employer's Contribution (₹lakhs)	819994	155609	8969	13109	43265	15359	15853	11658	12638	37321	57157
1 Wages & Salaries including Bonus	698282	133454	7456	10749	36904	12911	14031	10569	11009	31378	48311
1.1 Wages & Salaries	661318	122473	7026	9581	34231	11490	13176	10149	10825	30402	47875
1.1.1 Workers	400633	77212	4020	9164	25599	8631	9457	6987	6956	11056	33050
1.1.2 Supervisory & Managerial	168215	26567	2251	254	5198	1669	1949	1918	2311	10099	8948
1.1.3 Other Employees	92470	18695	755	163	3434	1190	1770	1244	1558	9247	5877
1.2 Bonus to all Staff	36964	10981	430	1168	2673	1421	855	420	184	975	436
2. Employer's Contribution	121712	22155	1513	2360	6361	2448	1822	1089	1629	5943	8847

**Table 2.2:Estimate of (i) employment, (ii) mandays employed and (iii) emoluments paid
in the factory sector by 2-digit industry division (NIC 2008)**

Characteristics	20	21	22	23	24	25	26	27	28	29	30
A. Average No.of persons	11219	10114	22798	20311	4706	4960	14026	5547	2539	327	5174
1. Workers	7075	5391	17922	16011	3400	3684	8685	4123	1776	276	4454
1.1 Directly employed	5837	5025	14930	14169	2192	3400	7459	3762	1555	265	1534
1.1.1 Men	5409	2687	12373	12148	2075	2831	5460	2593	1476	250	1457
1.1.2 Women	429	2338	2558	2021	117	568	1999	1170	79	15	77
1.2 Employed through Contractors	1238	366	2991	1841	1208	284	1226	361	221	11	2920
2. Employees other than worker	4106	4686	4758	3878	1286	1205	5333	1408	748	48	716
2.1 Supervisory & Managerial Staff	2269	1234	2519	1979	587	562	2567	859	361	33	499
2.2 Other employees	1837	3453	2239	1900	699	643	2766	549	387	15	217
3. Unpaid family members/proprietor etc.	38	36	118	422	20	72	9	16	16	3	4
B Total Man-days employed (in '000)	3632	3056	7244	5797	1393	1465	4207	1654	735	97	1463
C. Wages & Salariesincluding Employer's Contribution (₹lakhs)	72494	27855	78967	57729	12435	12697	42471	21282	9730	977	29245
1 Wages & Salaries including Bonus	58711	22962	66215	50929	11002	10912	37103	17520	7910	852	26045
1.1 Wages & Salaries	56864	21564	62647	48731	10531	10400	35867	16850	7650	829	24275
1.1.1 Workers	30079	9005	43938	29979	5006	6808	18741	9483	4120	533	13691
1.1.2 Supervisory & Managerial	19024	5983	13724	14068	4422	2624	12997	5994	2533	118	9216
1.1.3 Other Employees	7761	6577	4985	4684	1103	969	4129	1374	996	178	1367
1.2 Bonus to all Staff	1847	1397	3568	2197	472	512	1236	670	261	22	1770
2. Employer's Contribution	13783	4893	12752	6801	1432	1785	5368	3762	1819	125	3200

**Table 2.2:Estimate of (i) employment, (ii) mandays employed and (iii) emoluments paid
in the factory sector by 2-digit industry division (NIC 2008)**

Characteristics	31	32	33	35	38	45	52	58	59	82	95	96
A. Average No.of persons	2805	3454	445	249	45	24110	299	2091	30	50	59	545
1. Workers	2106	2456	320	154	14	16754	249	637	18	36	46	472
1.1 Directly employed	2064	2007	307	106	6	15773	140	637	14	36	22	463
1.1.1 Men	1696	872	140	105	6	14494	90	614	5	21	22	379
1.1.2 Women	368	1136	168	1	0	1279	50	23	9	15	0	84
1.2 Employed through Contractors	42	449	13	48	8	981	110	0	4	0	24	9
2. Employees other than worker	658	976	116	94	31	7086	49	1454	12	9	12	63
2.1 Supervisory & Managerial Staff	313	371	35	60	6	2889	35	262	7	3	2	37
2.2 Other employees	344	605	81	34	25	4198	14	1192	5	6	10	26
3. Unpaid family members/proprietor etc.	42	22	10	1	0	270	1	0	0	5	1	10
B Total Man-days employed (in '000)	819	1028	127	84	13	7075	88	740	9	13	18	159
C. Wages & Salariesincluding Employer's Contribution (₹lakhs)	6520	7431	815	1726	182	50912	781	13511	202	98	135	862
1 Wages & Salaries including Bonus	5730	6617	744	1147	162	43812	658	11282	197	85	130	784
1.1 Wages & Salaries	5571	6329	694	1127	162	41167	644	11009	197	79	130	770
1.1.1 Workers	3433	3687	405	329	32	26044	498	1786	103	58	109	633
1.1.2 Supervisory & Managerial	1204	1572	77	683	54	8333	108	4140	61	9	7	101
1.1.3 Other Employees	933	1070	211	115	76	6791	39	5083	33	12	14	37
1.2 Bonus to all Staff	159	288	50	20	0	2644	13	273	0	5	0	14
2. Employer's Contribution	790	814	71	579	20	7100	123	2228	4	13	5	78

Table 2.3: Estimate of (i) employment, (ii) mandays employed and (iii) emoluments paid in the factory sector by 3-digit industry division(NIC 2008)

Characteristics	State	101	102	103	104	105	106	107	108
A. No. of Persons engaged(No)	326644	141	11024	573	2430	4639	3410	71795	1577
1.Workers	259160	112	8890	395	1677	3430	2125	64158	1196
1.1. Directly Employed	221358	96	8061	393	1355	2520	2036	63845	945
1.1.1 Men	115322	60	2271	82	1020	1438	1615	10435	858
1.1.2 Women	106035	36	5789	311	335	1082	421	53410	87
1.2 Employed through contractors	37803	16	829	2	322	910	89	313	251
2. Employees other than Workers	65021	29	2103	161	739	1198	1254	7319	378
2.1 Supervisory and Managerial	29063	20	867	66	299	471	627	3014	142
2.2 Other Employees	35957	9	1236	95	440	727	627	4305	236
3. Unpaid family members/proprietor etc	2463	0	31	17	13	12	30	318	3
B. Total Mandays Employed (in '000)	93473	41	3233	139	718	1521	1009	17560	486
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	819994	512	23010	719	9494	16645	7899	91255	6074
1. Wages and Salaries including Bonus	698282	430	19839	660	8905	14080	6945	77736	4860
1.1 Wages and Salaries	661318	418	18957	648	8593	13766	6689	68767	4635
1.1.1 Workers	400633	303	11119	306	3069	7761	3106	48500	3047
1.1.2 Supervisory & Managerial	168215	97	4405	145	2089	3561	2371	12969	931
1.1.3 Other Employees	92470	18	3433	197	3435	2443	1212	7299	657
1.2 Bonus to All Staff	36964	12	882	12	312	314	256	8969	225
2. Employer's Contribution	121712	83	3172	59	589	2566	955	13518	1214

Table 2.3: Estimate of (i) employment, (ii) mandays employed and (iii) emoluments paid in the factory sector by 3-digit industry division(NIC 2008)

Characteristics	110	120	131	139	141	143	151	152	161	162
A. No. of Persons engaged(No)	3503	19018	13242	8905	9213	353	521	7537	2614	6710
1.Workers	2700	18343	11676	7283	8233	323	480	6263	2126	5046
1.1. Directly Employed	1423	12445	10638	7021	8233	323	458	5935	2116	4448
1.1.1 Men	797	835	5871	5085	2180	71	229	4630	1101	3510
1.1.2 Women	625	11610	4766	1936	6053	252	229	1305	1016	937
1.2 Employed through contractors	1277	5898	1039	262	0	0	22	329	10	599
2. Employees other than Workers	781	396	1487	1581	974	30	41	1233	367	1379
2.1 Supervisory and Managerial	400	218	720	536	401	16	18	491	299	757
2.2 Other Employees	381	178	767	1045	574	14	23	742	68	622
3. Unpaid family members/proprietor etc	23	279	79	40	7	0	0	41	121	285
B. Total Mandays Employed (in '000)	1024	4752	3968	2601	2778	46	156	2194	649	1809
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	8969	13109	27638	15628	15180	179	961	14892	2317	9341
1. Wages and Salaries including Bonus	7456	10749	23621	13284	12760	151	811	13220	2203	8366
1.1 Wages and Salaries	7026	9581	22264	11967	11340	151	680	12496	2132	8018
1.1.1 Workers	4020	9164	17213	8386	8503	128	577	8880	1584	5403
1.1.2 Supervisory & Managerial	2251	254	3580	1619	1656	13	91	1858	467	1452
1.1.3 Other Employees	755	163	1471	1963	1180	9	12	1758	81	1163
1.2 Bonus to All Staff	430	1168	1357	1316	1421	0	131	725	71	349
2. Employer's Contribution	1513	2360	4017	2344	2420	28	150	1672	114	975

Table 2.3: Estimate of (i) employment, (ii) mandays employed and (iii) emoluments paid in the factory sector by 3-digit industry division(NIC 2008)

Characteristics	170	181	191	192	201	202	203	210
A. No. of Persons engaged(No)	3998	6112	234	13194	7275	3936	8	10114
1.Workers	3237	3241	129	12041	4965	2104	6	5391
1.1. Directly Employed	2497	3158	91	1620	4099	1733	6	5025
1.1.1 Men	1732	2597	88	1616	4067	1336	6	2687
1.1.2 Women	765	561	3	4	32	397	0	2338
1.2 Employed through contractors	740	83	38	10421	867	371	0	366
2. Employees other than Workers	730	2855	103	1153	2295	1810	1	4686
2.1 Supervisory and Managerial	374	1039	77	723	1437	831	1	1234
2.2 Other Employees	355	1816	26	430	857	980	0	3453
3. Unpaid family members/proprietor etc	31	17	2	0	15	22	1	36
B. Total Mandays Employed (in '000)	1066	2016	79	4714	2456	1174	2	3056
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	12638	37321	1444	55714	56567	15916	11	27855
1. Wages and Salaries including Bonus	11009	31378	1122	47189	45206	13495	11	22962
1.1 Wages and Salaries	10825	30402	1066	46809	44057	12798	10	21564
1.1.1 Workers	6956	11056	476	32574	25643	4428	8	9005
1.1.2 Supervisory & Managerial	2311	10099	518	8429	13276	5746	2	5983
1.1.3 Other Employees	1558	9247	71	5806	5138	2623	0	6577
1.2 Bonus to All Staff	184	975	56	380	1149	697	1	1397
2. Employer's Contribution	1629	5943	322	8525	11361	2422	0	4893

Table 2.3: Estimate of (i) employment, (ii) mandays employed and (iii) emoluments paid in the factory sector by 3-digit industry division(NIC 2008)

Characteristics	221	222	231	239	241	242	243	251	259	261
A. No. of Persons engaged(No)	15618	7180	298	20013	2561	633	1512	1981	2979	11377
1.Workers	12490	5431	222	15789	1833	479	1088	1555	2129	7098
1.1. Directly Employed	10240	4691	151	14018	809	434	950	1320	2079	6385
1.1.1 Men	8885	3487	130	12018	785	370	921	1145	1686	4761
1.1.2 Women	1354	1203	21	2000	24	64	29	175	393	1624
1.2 Employed through contractors	2250	741	71	1770	1024	45	139	234	50	713
2. Employees other than Workers	3069	1690	73	3805	722	143	421	411	794	4273
2.1 Supervisory and Managerial	1707	813	27	1952	327	43	217	234	328	1907
2.2 Other Employees	1362	877	46	1854	395	100	204	176	466	2366
3. Unpaid family members/proprietor etc	59	59	3	419	6	11	3	16	56	7
B. Total Mandays Employed (in '000)	5068	2176	88	5709	758	201	435	601	864	3420
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	60603	18364	614	57116	4328	1846	6261	5815	6882	30791
1. Wages and Salaries including Bonus	50299	15916	573	50355	3762	1554	5686	5119	5793	27486
1.1 Wages and Salaries	47720	14927	565	48166	3639	1506	5386	4864	5536	26522
1.1.1 Workers	34324	9615	379	29600	2112	978	1916	3117	3691	15629
1.1.2 Supervisory & Managerial	9965	3758	122	13946	990	384	3048	1428	1196	8588
1.1.3 Other Employees	3431	1554	63	4621	538	144	422	319	650	2306
1.2 Bonus to All Staff	2578	989	8	2189	123	49	300	255	257	964
2. Employer's Contribution	10305	2448	41	6760	566	292	575	696	1089	3305

Table 2.3: Estimate of (i) employment, (ii) mandays employed and (iii) emoluments paid in the factory sector by 3-digit industry division(NIC 2008)

Characteristics	262	263	264	265	266	271	272	273	274	275	279	281	282
A. No. of Persons engaged(No)	17	1164	152	1238	78	3623	138	763	374	54	595	208	2331
1. Workers	16	668	89	769	45	2692	97	593	230	42	469	157	1619
1.1. Directly Employed	15	354	89	596	20	2545	97	548	230	40	302	157	1398
1.1.1 Men	9	207	45	424	14	1710	51	471	159	38	164	153	1323
1.1.2 Women	6	147	44	172	6	836	46	77	71	2	138	4	75
1.2 Employed through contractors	1	314	0	173	25	147	0	45	0	2	167	0	221
2. Employees other than Workers	1	496	61	469	33	928	37	169	142	10	122	48	700
2.1 Supervisory and Managerial	1	378	15	234	32	571	20	87	85	6	90	26	336
2.2 Other Employees	0	118	46	235	1	357	17	82	57	4	32	22	364
3. Unpaid family members/proprietor etc	0	0	2	0	0	3	4	1	2	2	4	3	12
B. Total Mandays Employed (in '000)	5	346	42	372	23	1085	38	229	110	16	176	60	675
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	37	5315	764	5188	375	15457	190	2601	1065	108	1861	817	8913
1. Wages and Salaries including Bonus	28	4163	682	4403	342	12699	163	2131	894	101	1533	762	7148
1.1 Wages and Salaries	26	4072	638	4277	333	12188	156	2083	880	100	1443	735	6914
1.1.1 Workers	23	1261	228	1483	117	6540	98	1518	416	74	838	519	3602
1.1.2 Supervisory & Managerial	3	2280	92	1821	214	4606	38	470	334	21	525	128	2405
1.1.3 Other Employees	0	531	318	973	2	1043	20	95	130	5	80	88	908
1.2 Bonus to All Staff	2	91	44	126	9	510	6	48	14	2	90	27	234
2. Employer's Contribution	9	1152	82	785	33	2758	27	470	171	7	329	54	1765

Table 2.3: Estimate of (i) employment, (ii) mandays employed and (iii) emoluments paid in the factory sector by 3-digit industry division(NIC 2008)

Characteristics	292	293	301	303	309	310	321	322	323	324	325	329	331	332
A. No. of Persons engaged(No)	222	105	4323	705	146	2805	419	16	35	95	2264	625	50	396
1.Workers	182	94	3801	554	99	2106	359	13	26	77	1587	395	26	294
1.1. Directly Employed	171	94	1062	382	90	2064	187	13	26	77	1310	395	24	283
1.1.1 Men	171	79	1027	341	89	1696	135	2	7	0	545	184	22	118
1.1.2 Women	0	15	35	41	1	368	52	11	19	77	766	211	2	166
1.2 Employed through contractors	11	0	2739	172	9	42	172	0	0	0	277	0	2	11
2. Employees other than Workers	38	10	519	151	46	658	52	3	8	18	669	226	21	95
2.1 Supervisory and Managerial	26	7	361	117	21	313	24	2	1	9	296	40	6	29
2.2 Other Employees	12	3	158	34	25	344	28	1	7	9	374	187	15	66
3. Unpaid family members/proprietor etc	2	1	3	0	1	42	9	0	1	0	8	4	3	7
B. Total Mandays Employed (in '000)	66	31	1209	212	43	819	129	5	10	29	671	184	13	114
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	691	286	25470	3214	561	6520	680	29	55	106	5198	1363	74	740
1. Wages and Salaries including Bonus	607	245	22903	2684	458	5730	630	27	44	83	4534	1298	69	675
1.1 Wages and Salaries	607	223	21247	2570	457	5571	617	23	40	83	4292	1274	68	626
1.1.1 Workers	353	180	11647	1791	252	3433	471	16	23	62	2206	910	32	373
1.1.2 Supervisory & Managerial	81	38	8464	640	112	1204	77	6	3	15	1374	99	17	60
1.1.3 Other Employees	173	5	1136	139	92	933	70	2	14	7	712	265	19	193
1.2 Bonus to All Staff	1	22	1656	114	1	159	13	4	5	0	243	24	1	49
2. Employer's Contribution	84	41	2567	530	103	790	49	3	11	23	663	64	5	65

Table 2.3: Estimate of (i) employment, (ii) mandays employed and (iii) emoluments paid in the factory sector by 3-digit industry division(NIC 2008)

Characteristics	351	352	353	382	383	452	454	521	581	591	829	952	960
A. No. of Persons engaged(No)	211	25	13	36	9	23232	878	299	2091	30	50	59	545
1.Workers	126	17	11	8	6	16178	576	249	637	18	36	46	472
1.1. Directly Employed	90	5	11	0	6	15197	576	140	637	14	36	22	463
1.1.1 Men	89	5	11	0	6	13955	539	90	614	5	21	22	379
1.1.2 Women	1	0	0	0	0	1242	37	50	23	9	15	0	84
1.2 Employed through contractors	36	12	0	8	0	981	0	110	0	4	0	24	9
2. Employees other than Workers	85	8	1	28	3	6797	290	49	1454	12	9	12	63
2.1 Supervisory and Managerial	54	5	1	4	2	2718	170	35	262	7	3	2	37
2.2 Other Employees	31	3	0	24	1	4078	120	14	1192	5	6	10	26
3. Unpaid family members/proprietor etc	0	0	1	0	0	258	12	1	0	0	5	1	10
B. Total Mandays Employed (in '000)	73	8	4	11	3	6819	256	88	740	9	13	18	159
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	1596	111	19	133	50	49321	1591	781	13511	202	98	135	862
1. Wages and Salaries including Bonus	1034	94	18	127	35	42405	1407	658	11282	197	85	130	784
1.1 Wages and Salaries	1019	90	18	127	35	39834	1334	644	11009	197	79	130	770
1.1.1 Workers	279	38	12	10	22	25282	762	498	1786	103	58	109	633
1.1.2 Supervisory & Managerial	635	42	6	44	10	7939	394	108	4140	61	9	7	101
1.1.3 Other Employees	105	10	0	74	2	6613	178	39	5083	33	12	14	37
1.2 Bonus to All Staff	16	4	0	0	0	2572	73	13	273	0	5	0	14
2. Employer's Contribution	561	17	1	5	15	6916	184	123	2228	4	13	5	78

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District:Kasargod	All	10	11	12	13	14	16	18	19
Characteristics	All	10	11	12	13	14	16	18	19
A. No. of Persons engaged(No)	14219	367	24	11802	126	68	503	14	1
1.Workers	13243	306	18	11424	117	62	383	10	0
1.1. Directly Employed	7150	224	18	5954	117	62	109	10	0
1.1.1 Men	808	48	11	122	25	0	109	5	0
1.1.2 Women	6343	176	7	5831	92	62	0	5	0
1.2 Employed through contractors	6093	82	0	5471	0	0	275	0	0
2. Employees other than Workers	774	61	5	182	9	6	115	4	0
2.1 Supervisory and Managerial	298	20	2	44	9	3	63	2	0
2.2 Other Employees	476	41	3	138	0	3	52	2	0
3. Unpaid family members/proprietor etc	203	0	1	195	0	0	5	0	1
B. Total Mandays Employed (in '000)	3580	111	6	2860	34	21	148	5	0
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	11768	746	68	7184	104	62	764	34	0
1. Wages and Salaries including Bonus	9741	677	63	5485	91	49	747	34	0
1.1 Wages and Salaries	8952	631	62	4893	85	44	729	32	0
1.1.1 Workers	7365	433	14	4696	65	38	523	25	0
1.1.2 Supervisory & Managerial	804	81	41	60	20	4	118	4	0
1.1.3 Other Employees	784	117	7	137	0	2	89	4	0
1.2 Bonus to All Staff	789	46	1	593	6	5	18	2	0
2. Employers' Contribution	2027	69	5	1698	13	13	17	0	0

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District:Kasargod	21	22	23	24	31	35	45
Characteristics							
A. No. of Persons engaged(No)	1	38	194	2	112	5	964
1.Workers	0	27	167	0	91	0	638
1.1. Directly Employed	0	27	167	0	82	0	381
1.1.1 Men	0	19	119	0	60	0	290
1.1.2 Women	0	8	47	0	23	0	92
1.2 Employed through contractors	0	0	0	0	9	0	257
2. Employees other than Workers	0	11	27	2	21	5	326
2.1 Supervisory and Managerial	0	7	16	1	14	0	117
2.2 Other Employees	0	4	11	1	7	5	209
3. Unpaid family members/proprietor etc	1	0	0	0	0	0	0
B. Total Mandays Employed (in '000)	0	11	58	1	34	2	290
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	0	89	400	3	260	13	2041
1. Wages and Salaries including Bonus	0	82	358	2	249	12	1891
1.1 Wages and Salaries	0	79	328	2	245	12	1810
1.1.1 Workers	0	47	242	0	182	0	1099
1.1.2 Supervisory & Managerial	0	26	65	1	51	0	334
1.1.3 Other Employees	0	6	21	1	12	12	377
1.2 Bonus to All Staff	0	3	30	0	4	0	81
2. Employers' Contribution	0	7	42	0	11	1	150

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District:Kannur	All	10	11	12	13	14	15	16	17	18	20
Characteristics	All	10	11	12	13	14	15	16	17	18	20
A. No. of Persons engaged(No)	19004	733	77	6669	4354	1230	193	1399	22	157	230
1.Workers	16802	558	53	6431	4026	1071	150	1082	17	140	175
1.1. Directly Employed	15895	381	53	6284	3804	1071	147	1030	17	140	45
1.1.1 Men	5490	192	11	709	1360	19	75	812	5	83	45
1.1.2 Women	10405	189	42	5574	2444	1052	72	218	12	58	0
1.2 Employed through contractors	906	177	0	147	222	0	3	52	0	0	130
2. Employees other than Workers	2010	173	23	167	306	159	43	259	4	14	55
2.1 Supervisory and Managerial	1022	76	8	155	145	55	14	149	2	11	31
2.2 Other Employees	989	97	15	12	161	104	29	110	2	3	24
3. Unpaid family members/proprietor etc	192	2	1	71	22	0	0	58	1	3	0
B. Total Mandays Employed (in '000)	5375	208	23	1775	1298	369	57	380	6	44	69
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	30131	1974	200	5700	6833	1825	375	2766	22	364	614
1. Wages and Salaries including Bonus	26163	1748	188	5048	5782	1585	333	2475	20	310	557
1.1 Wages and Salaries	24181	1718	188	4483	5196	1447	315	2322	19	289	541
1.1.1 Workers	18494	1148	66	4302	4468	1050	212	1747	15	265	299
1.1.2 Supervisory & Managerial	3359	321	96	171	413	234	52	371	2	23	173
1.1.3 Other Employees	2328	249	26	9	315	164	50	204	1	2	69
1.2 Bonus to All Staff	1982	30	0	565	586	137	19	153	1	20	16
2. Employers' Contribution	3968	226	12	652	1051	241	41	291	2	55	57

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District:Kannur	21	22	23	24	25	26	27	28	29	30	31	32
Characteristics												
A. No. of Persons engaged(No)	298	626	661	31	144	337	93	27	6	96	903	43
1.Workers	174	523	544	26	123	282	55	16	5	85	695	32
1.1. Directly Employed	174	520	513	26	121	254	15	16	5	19	691	32
1.1.1 Men	49	411	274	26	110	205	4	15	5	17	532	11
1.1.2 Women	126	109	239	0	12	49	11	1	0	2	158	21
1.2 Employed through contractors	0	3	32	0	2	28	40	0	0	66	4	0
2. Employees other than Workers	123	96	105	4	18	55	38	10	1	11	199	9
2.1 Supervisory and Managerial	28	60	53	1	7	25	15	6	1	5	112	2
2.2 Other Employees	95	37	51	3	11	30	23	4	0	6	87	7
3. Unpaid family members/proprietor etc	0	7	12	1	3	0	0	1	0	0	10	2
B. Total Mandays Employed (in '000)	88	183	181	9	42	101	28	7	2	28	265	12
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	1070	1372	1264	30	349	1585	144	69	12	230	2072	62
1. Wages and Salaries including Bonus	967	1199	1082	27	301	1218	133	61	12	208	1814	51
1.1 Wages and Salaries	948	1110	1033	27	282	1117	132	58	12	202	1716	46
1.1.1 Workers	217	869	799	22	234	666	54	27	10	173	1102	28
1.1.2 Supervisory & Managerial	267	198	157	2	31	225	47	21	2	20	379	4
1.1.3 Other Employees	464	43	77	3	17	226	31	10	0	9	235	14
1.2 Bonus to All Staff	19	89	49	0	19	102	1	3	0	6	98	5
2. Employers' Contribution	104	173	182	3	48	367	11	9	0	22	259	11

Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and (iii)emoluments paid in factory sector by 2-digit NIC 2008

District:Kannur		
Characteristics	35	45
A. No. of Persons engaged(No)	9	668
1.Workers	5	533
1.1. Directly Employed	5	533
1.1.1 Men	5	516
1.1.2 Women	0	16
1.2 Employed through contractors	0	0
2. Employees other than Workers	4	135
2.1 Supervisory and Managerial	1	59
2.2 Other Employees	3	76
3. Unpaid family members/proprietor etc	0	0
B. Total Mandays Employed (in '000)	3	197
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	34	1165
1. Wages and Salaries including Bonus	26	1020
1.1 Wages and Salaries	22	961
1.1.1 Workers	8	713
1.1.2 Supervisory & Managerial	3	147
1.1.3 Other Employees	10	100
1.2 Bonus to All Staff	4	60
2. Employers' Contribution	8	145

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District:Wayanad	All	10	15	16	17	18	20	21	23	45
Characteristics										
A. No. of Persons engaged(No)	2611	1856	209	77	1	22	70	22	155	200
1.Workers	2138	1529	175	59	0	17	46	8	129	175
1.1. Directly Employed	1964	1407	175	40	0	17	13	8	129	175
1.1.1 Men	1390	894	175	29	0	12	9	4	119	149
1.1.2 Women	574	514	0	11	0	5	4	4	10	26
1.2 Employed through contractors	174	122	0	19	0	0	33	0	0	0
2. Employees other than Workers	459	327	34	13	0	3	23	13	23	23
2.1 Supervisory and Managerial	217	137	17	10	0	1	11	1	18	23
2.2 Other Employees	242	191	17	3	0	2	12	12	6	0
3. Unpaid family members/proprietor etc	14	0	0	5	1	2	1	1	3	2
B. Total Mandays Employed (in '000)	796	578	63	19	0	6	20	6	45	58
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	5629	4304	344	88	0	25	128	28	323	389
1. Wages and Salaries including Bonus	4811	3647	299	87	0	23	111	25	285	335
1.1 Wages and Salaries	4543	3422	280	86	0	23	105	24	279	324
1.1.1 Workers	3014	2164	225	60	0	19	47	8	214	276
1.1.2 Supervisory & Managerial	1036	839	31	23	0	2	35	2	57	48
1.1.3 Other Employees	492	419	24	3	0	2	23	14	7	0
1.2 Bonus to All Staff	268	225	18	1	0	0	6	1	6	11
2. Employers' Contribution	818	657	46	1	0	2	17	4	38	54

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District:Kozhikode	All	10	11	12	13	14	15	16	17	18
Characteristics	All	10	11	12	13	14	15	16	17	18
A. No. of Persons engaged(No)	13672	979	277	379	743	115	4232	367	46	79
1.Workers	10206	748	211	358	648	88	3604	301	33	64
1.1. Directly Employed	9440	690	63	78	648	88	3530	301	33	64
1.1.1 Men	7520	590	17	3	274	49	2889	190	26	45
1.1.2 Women	1920	101	46	75	374	39	641	111	7	19
1.2 Employed through contractors	767	58	148	280	0	0	74	0	0	0
2. Employees other than Workers	3405	221	65	17	95	27	621	39	13	15
2.1 Supervisory and Managerial	1348	89	20	9	48	8	279	28	10	11
2.2 Other Employees	2057	133	45	9	47	19	342	11	3	4
3. Unpaid family members/proprietor etc	60	10	1	3	0	0	7	27	0	0
B. Total Mandays Employed (in '000)	4137	311	83	94	204	35	1259	90	15	24
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	37612	3571	518	187	751	309	8737	258	87	165
1. Wages and Salaries including Bonus	32196	3171	476	180	676	276	7719	240	70	133
1.1 Wages and Salaries	30788	3089	418	170	640	264	7305	235	66	127
1.1.1 Workers	15654	1797	261	152	514	126	5413	201	49	100
1.1.2 Supervisory & Managerial	8018	390	83	10	80	77	1021	30	13	22
1.1.3 Other Employees	7116	903	74	9	45	61	871	4	5	5
1.2 Bonus to All Staff	1408	81	58	9	36	12	414	6	4	6
2. Employers' Contribution	5416	400	42	8	75	33	1018	18	17	32

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District:Kozhikode	20	21	22	23	24	25	27	28	30	31
Characteristics										
A. No. of Persons engaged(No)	207	189	443	1350	688	99	103	62	44	65
1.Workers	106	158	344	1238	439	86	68	51	33	45
1.1. Directly Employed	64	158	344	1229	309	65	63	51	33	45
1.1.1 Men	21	45	199	1139	304	42	40	42	16	38
1.1.2 Women	43	113	145	90	5	23	23	9	17	8
1.2 Employed through contractors	42	0	0	9	130	21	5	0	0	0
2. Employees other than Workers	99	32	99	112	247	12	34	11	11	18
2.1 Supervisory and Managerial	23	14	57	58	166	8	16	5	6	5
2.2 Other Employees	76	18	42	54	81	4	18	6	5	13
3. Unpaid family members/proprietor etc	2	0	0	0	2	1	1	0	0	3
B. Total Mandays Employed (in '000)	62	57	143	389	210	29	30	19	13	18
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	457	211	907	3254	2719	202	253	150	68	63
1. Wages and Salaries including Bonus	413	194	809	2717	2262	192	202	140	64	63
1.1 Wages and Salaries	399	188	787	2568	2100	187	194	128	63	63
1.1.1 Workers	150	122	453	2330	645	118	118	93	28	48
1.1.2 Supervisory & Managerial	114	31	248	133	1150	63	40	24	31	6
1.1.3 Other Employees	135	35	86	105	304	6	37	10	4	9
1.2 Bonus to All Staff	14	6	22	149	163	5	8	12	1	0
2. Employers' Contribution	44	17	98	537	456	10	51	10	5	0

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District:Kozhikode	32	33	38	45	58	82
Characteristics						
A. No. of Persons engaged(No)	21	8	9	1448	1711	8
1.Workers	10	6	6	983	575	5
1.1. Directly Employed	10	6	6	983	575	5
1.1.1 Men	10	6	6	972	552	5
1.1.2 Women	0	0	0	10	23	0
1.2 Employed through contractors	0	0	0	0	0	0
2. Employees other than Workers	11	1	3	466	1136	1
2.1 Supervisory and Managerial	2	1	2	258	226	0
2.2 Other Employees	9	0	1	208	910	1
3. Unpaid family members/proprietor etc	0	1	0	0	0	2
B. Total Mandays Employed (in '000)	6	2	3	437	604	2
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	73	11	50	2888	11710	13
1. Wages and Salaries including Bonus	68	11	35	2410	9664	11
1.1 Wages and Salaries	65	10	35	2286	9392	10
1.1.1 Workers	23	9	22	1324	1550	9
1.1.2 Supervisory & Managerial	18	2	10	711	3715	0
1.1.3 Other Employees	25	0	2	250	4126	1
1.2 Bonus to All Staff	3	0	0	124	273	1
2. Employers' Contribution	5	1	15	478	2045	2

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District: Malappuram	All	10	11	12	13	15	16	17	18	19
Characteristics	All	10	11	12	13	15	16	17	18	19
A. No. of Persons engaged (No.)	7998	1166	14	81	605	1109	153	56	82	176
1. Workers	5551	753	10	45	544	920	101	39	20	136
1.1. Directly Employed	5043	724	10	45	542	825	101	39	20	22
1.1.1 Men	4125	443	5	0	420	644	70	18	20	22
1.1.2 Women	918	282	5	45	122	181	31	21	0	0
1.2 Employed through contractors	508	29	0	0	2	96	0	0	0	114
2. Employees other than Workers	2166	392	2	27	60	189	28	14	62	40
2.1 Supervisory and Managerial	763	121	0	9	29	78	15	8	12	9
2.2 Other Employees	1403	271	2	18	31	111	13	6	50	31
3. Unpaid family members/proprietor etc	281	21	2	9	1	0	24	3	0	0
B. Total Mandays Employed (in '000)	2351	331	3	21	210	327	32	14	27	53
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	19785	2601	6	31	1457	2123	105	54	416	984
1. Wages and Salaries including Bonus	17130	2286	6	31	1186	1912	103	48	355	856
1.1 Wages and Salaries	16458	2197	6	31	1137	1815	99	46	349	807
1.1.1 Workers	9197	1015	5	10	894	1193	77	31	123	543
1.1.2 Supervisory & Managerial	4745	643	0	13	170	459	13	11	165	168
1.1.3 Other Employees	2515	538	1	8	73	163	9	4	61	96
1.2 Bonus to All Staff	673	90	0	0	49	97	4	2	5	50
2. Employers' Contribution	2655	315	0	0	270	211	2	6	62	128

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District: Malappuram	20	21	22	23	25	26	27	30	31	32	35
Characteristics											
A. No. of Persons engaged (No.)	9	968	562	690	48	119	44	14	276	10	10
1.Workers	2	627	427	527	40	56	26	9	220	8	7
1.1. Directly Employed	2	627	370	527	40	56	26	9	220	8	0
1.1.1 Men	2	544	326	471	39	37	17	9	220	8	0
1.1.2 Women	0	83	45	56	1	19	9	0	0	0	0
1.2 Employed through contractors	0	0	56	0	0	0	0	0	0	0	7
2. Employees other than Workers	5	338	132	131	8	63	18	5	48	1	3
2.1 Supervisory and Managerial	1	80	50	68	3	31	8	3	24	1	3
2.2 Other Employees	4	258	82	63	5	32	10	2	24	0	0
3. Unpaid family members/proprietor etc	2	3	4	32	0	0	0	0	8	1	0
B. Total Mandays Employed (in '000)	2	328	170	201	8	35	13	4	82	3	3
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	10	3085	1390	3002	38	404	172	38	325	12	48
1. Wages and Salaries including Bonus	9	2514	1235	2702	28	362	142	31	294	11	40
1.1 Wages and Salaries	9	2386	1170	2616	28	350	135	28	294	11	40
1.1.1 Workers	3	1590	664	988	20	124	61	11	231	10	13
1.1.2 Supervisory & Managerial	2	285	393	1540	6	157	48	15	43	2	27
1.1.3 Other Employees	4	511	112	87	2	69	27	3	21	0	0
1.2 Bonus to All Staff	1	128	65	86	0	11	6	2	0	0	0
2. Employers' Contribution	1	570	156	301	10	43	30	7	31	1	8

Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and (iii)emoluments paid in factory sector by 2-digit NIC 2008

District: Malappuram		
Characteristics	45	58
A. No. of Persons engaged (No.)	1732	75
1. Workers	1004	31
1.1. Directly Employed	800	31
1.1.1 Men	780	31
1.1.2 Women	20	0
1.2 Employed through contractors	204	0
2. Employees other than Workers	556	44
2.1 Supervisory and Managerial	209	1
2.2 Other Employees	347	43
3. Unpaid family members/proprietor etc	172	0
B. Total Mandays Employed (in '000)	457	27
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	3088	395
1. Wages and Salaries including Bonus	2636	344
1.1 Wages and Salaries	2560	343
1.1.1 Workers	1477	115
1.1.2 Supervisory & Managerial	579	5
1.1.3 Other Employees	505	223
1.2 Bonus to All Staff	76	0
2. Employers' Contribution	452	51

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District: Palakkad	All	10	11	13	14	16	17	18	19
Characteristics									
A. No. of Persons engaged(No.)	19573	3281	1460	2107	428	581	172	86	183
1.Workers	14750	2739	1181	1764	376	478	154	71	148
1.1 Directly Employed	11253	2602	530	981	376	478	145	67	52
1.1.1 Men	8048	1456	305	665	81	149	106	57	51
1.1.2 Women	3205	1146	225	316	295	328	38	10	1
1.2 Employed through contractors	3497	137	651	783	0	0	9	4	96
2. Employees other than Workers	4702	535	279	340	50	72	16	15	35
2.1 Supervisory and Managerial	2498	309	213	189	24	53	13	8	15
2.2 Other Employees	2204	226	67	151	27	19	2	7	20
3. Unpaid family members/proprietor etc	121	7	0	3	3	31	2	0	0
B. Total Mandays Employed (in '000)	5850	974	429	723	62	130	57	25	55
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	51923	7581	4376	5401	238	461	422	341	484
1. Wages and Salaries including Bonus	43435	6573	3413	4794	206	428	361	306	470
1.1 Wages and Salaries	41318	6315	3255	4634	204	399	335	302	458
1.1.1 Workers	24552	4590	1799	3055	150	305	293	255	327
1.1.2 Supervisory & Managerial	12313	1250	1352	1338	29	73	40	28	92
1.1.3 Other Employees	4453	475	104	241	24	20	3	18	39
1.2 Bonus to All Staff	2117	259	158	161	2	29	26	4	12
2. Employers' Contribution	8488	1007	963	606	33	33	61	36	14

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District: Palakkad	20	21	22	23	24	25	26	27	28
Characteristics									
A. No. of Persons engaged(No.)	445	649	1903	2530	2313	621	1006	118	100
1.Workers	358	412	1409	1962	1665	450	412	89	77
1.1 Directly Employed	358	337	1238	1582	652	439	245	89	77
1.1.1 Men	272	160	1069	1446	594	392	134	50	77
1.1.2 Women	86	177	169	136	58	47	111	39	0
1.2 Employed through contractors	0	75	171	380	1013	11	167	0	0
2. Employees other than Workers	78	233	487	554	648	148	592	26	22
2.1 Supervisory and Managerial	39	60	199	292	241	59	506	15	8
2.2 Other Employees	39	173	288	263	407	89	86	11	14
3. Unpaid family members/proprietor etc	9	4	7	14	0	23	2	3	1
B. Total Mandays Employed (in '000)	115	194	571	820	701	176	297	28	27
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	598	1801	5428	10382	3981	1291	5164	209	546
1. Wages and Salaries including Bonus	513	1380	4167	8783	3392	1073	4070	185	517
1.1 Wages and Salaries	484	1241	3986	8069	3270	999	4033	177	514
1.1.1 Workers	347	700	2239	5006	1923	641	976	93	387
1.1.2 Supervisory & Managerial	69	271	1057	1932	907	160	2861	66	44
1.1.3 Other Employees	68	270	691	1132	440	197	197	17	83
1.2 Bonus to All Staff	29	139	182	713	122	75	37	8	3
2. Employers' Contribution	85	421	1260	1599	590	218	1095	24	30

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District: Palakkad	31	32	38	45	82
Characteristics	31	32	38	45	82
A. No. of Persons engaged(No.)	80	226	7	1274	5
1.Workers	60	156	0	788	2
1.1 Directly Employed	60	156	0	788	2
1.1.1 Men	60	135	0	788	1
1.1.2 Women	0	21	0	0	1
1.2 Employed through contractors	0	0	0	0	0
2. Employees other than Workers	15	69	7	483	0
2.1 Supervisory and Managerial	13	39	0	206	0
2.2 Other Employees	3	30	7	277	0
3. Unpaid family members/proprietor etc	5	1	0	4	3
B. Total Mandays Employed (in '000)	22	64	2	381	0
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	145	747	20	2305	1
1. Wages and Salaries including Bonus	135	575	19	2075	1
1.1 Wages and Salaries	133	560	19	1932	1
1.1.1 Workers	110	216	0	1139	1
1.1.2 Supervisory & Managerial	21	294	0	430	0
1.1.3 Other Employees	2	51	19	363	0
1.2 Bonus to All Staff	2	15	0	143	0
2. Employers' Contribution	10	172	1	230	0

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District: Thrissur	All	10	11	12	13	14	15	16	17	18	20
Characteristics											
A. No. of Persons engaged(No)	22668	3252	850	87	1484	132	181	342	276	640	198
1.Workers	16079	2055	666	85	1355	119	144	231	207	290	138
1.1. Directly Employed	14300	1538	295	85	1355	119	144	231	207	290	133
1.1.1 Men	10068	1137	161	0	822	7	63	183	105	210	66
1.1.2 Women	4232	401	134	85	533	112	81	48	102	80	68
1.2 Employed through contractors	1779	517	371	0	0	0	0	0	0	0	5
2. Employees other than Workers	6344	1183	177	2	127	12	36	103	66	350	55
2.1 Supervisory and Managerial	2598	662	84	1	47	12	13	26	27	57	14
2.2 Other Employees	3747	521	93	1	80	0	23	77	39	293	41
3. Unpaid family members/proprietor etc	245	14	7	0	2	1	1	9	3	0	5
B. Total Mandays Employed (in '000)	6712	978	247	2	475	38	54	98	80	211	57
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	61358	9612	2290	6	3670	194	310	519	373	1255	534
1. Wages and Salaries including Bonus	50689	8238	1961	4	2877	175	254	470	336	1089	428
1.1 Wages and Salaries	47906	7788	1818	4	2761	163	218	461	331	1064	411
1.1.1 Workers	31067	4008	1104	3	2348	128	130	304	234	375	216
1.1.2 Supervisory & Managerial	10113	2542	504	0	236	35	43	46	53	182	132
1.1.3 Other Employees	6727	1238	211	0	176	0	45	112	44	508	63
1.2 Bonus to All Staff	2783	450	143	1	116	12	36	9	4	25	17
2. Employers' Contribution	10669	1374	329	1	793	19	56	49	37	166	106

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District: Thrissur	21	22	23	24	25	26	27	28	29	31	32
Characteristics	21	22	23	24	25	26	27	28	29	31	32
A. No. of Persons engaged(No)	2672	4103	2574	178	737	409	131	497	96	109	421
1.Workers	1531	3263	1806	116	480	219	109	355	87	75	289
1.1. Directly Employed	1297	2888	1646	114	480	159	105	355	87	75	257
1.1.1 Men	597	2338	758	92	424	97	15	341	72	64	174
1.1.2 Women	700	550	888	22	56	62	90	14	15	11	83
1.2 Employed through contractors	234	375	160	2	0	60	4	0	0	0	32
2. Employees other than Workers	1130	812	659	50	239	187	20	134	9	30	125
2.1 Supervisory and Managerial	316	454	307	20	113	69	9	57	6	19	52
2.2 Other Employees	814	358	352	30	126	118	11	77	3	11	73
3. Unpaid family members/proprietor etc	11	28	109	13	18	3	2	8	0	4	6
B. Total Mandays Employed (in '000)	790	1333	644	45	215	120	39	149	29	30	124
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	6398	18215	3990	217	2604	2223	227	1039	271	125	891
1. Wages and Salaries including Bonus	5530	14290	3495	196	2116	1968	197	944	232	124	792
1.1 Wages and Salaries	5124	13383	3263	194	1976	1927	183	901	213	124	764
1.1.1 Workers	2327	11078	2329	123	1213	478	137	459	171	87	413
1.1.2 Supervisory & Managerial	1450	1690	591	39	570	758	24	198	36	29	190
1.1.3 Other Employees	1347	615	343	31	193	691	21	244	5	8	161
1.2 Bonus to All Staff	406	906	231	2	140	41	14	43	19	0	29
2. Employers' Contribution	868	3925	495	22	489	255	29	95	39	1	98

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District: Thrissur				
Characteristics	33	35	45	96
A. No. of Persons engaged(No)	8	6	3272	14
1.Workers	4	5	2440	10
1.1. Directly Employed	4	0	2426	10
1.1.1 Men	2	0	2334	6
1.1.2 Women	2	0	92	4
1.2 Employed through contractors	0	5	14	0
2. Employees other than Workers	3	1	832	4
2.1 Supervisory and Managerial	1	1	230	1
2.2 Other Employees	2	0	602	3
3. Unpaid family members/proprietor etc	1	0	1	0
B. Total Mandays Employed (in '000)	2	2	947	5
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	6	29	6340	21
1. Wages and Salaries including Bonus	6	29	4919	21
1.1 Wages and Salaries	5	29	4782	21
1.1.1 Workers	3	17	3367	15
1.1.2 Supervisory & Managerial	1	11	751	1
1.1.3 Other Employees	2	0	664	5
1.2 Bonus to All Staff	0	0	137	0
2. Employers' Contribution	0	1	1421	1

Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 2-digit NIC 2008

District: Ernakulam								
Characteristics	All	10	11	13	14	15	16	17
A. No. of Persons engaged(No)	86946	11074	308	2386	5358	583	3585	1872
1. Workers	63829	7697	189	1836	4754	522	2660	1511
1.1. Directly Employed	46405	6837	103	1836	4754	503	2469	1245
1.1.1 Men	33314	3975	37	1224	1831	288	2139	935
1.1.2 Women	13091	2862	67	612	2923	215	330	310
1.2 Employed through contractors	17424	860	86	0	0	19	191	266
2. Employees other than Workers	22766	3336	112	514	603	58	752	354
2.1 Supervisory and Managerial	11180	1596	43	234	241	24	451	167
2.2 Other Employees	11586	1740	69	280	362	34	301	188
3. Unpaid family members/proprietor etc	352	41	7	36	1	3	173	7
B. Total Mandays Employed (in '000)	26774	3390	91	696	1645	175	938	385
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	304643	35241	427	7919	10567	1128	4172	2628
1. Wages and Salaries including Bonus	257428	29022	374	7014	8739	956	3634	2205
1.1 Wages and Salaries	247171	27654	366	6676	7581	817	3490	2128
1.1.1 Workers	140284	12242	227	4412	5561	675	2133	1350
1.1.2 Supervisory & Managerial	74339	9845	56	1364	1150	111	748	435
1.1.3 Other Employees	32548	5567	82	900	870	31	609	343
1.2 Bonus to All Staff	10258	1367	8	338	1157	139	143	77
2. Employers' Contribution	47215	6220	52	905	1828	172	538	423

Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 2-digit NIC 2008

District: Ernakulam								
Characteristics	18	19	20	21	22	23	24	25
A. No. of Persons engaged(No)	1281	12801	6739	2448	4370	2163	874	2606
1. Workers	930	11678	3794	865	3312	1534	673	1994
1.1. Directly Employed	930	1569	2894	811	3108	1430	673	1744
1.1.1 Men	770	1563	2699	449	2589	996	647	1394
1.1.2 Women	160	6	195	362	519	433	26	350
1.2 Employed through contractors	0	10109	900	54	205	104	0	250
2. Employees other than Workers	350	1123	2936	1580	1044	623	202	601
2.1 Supervisory and Managerial	232	738	1736	487	575	288	106	308
2.2 Other Employees	118	385	1200	1093	469	335	95	294
3. Unpaid family members/proprietor etc	1	0	9	3	14	6	0	11
B. Total Mandays Employed (in '000)	397	4604	2196	745	1346	674	262	792
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	7086	53799	45584	8886	13425	6404	2423	6714
1. Wages and Salaries including Bonus	5997	45245	36585	6890	11900	5331	2263	5890
1.1 Wages and Salaries	5901	44915	35530	6457	11304	5232	2220	5681
1.1.1 Workers	3013	31019	16542	1637	7518	2770	1418	3832
1.1.2 Supervisory & Managerial	2324	8235	13768	2633	2718	1602	673	1497
1.1.3 Other Employees	565	5660	5220	2187	1067	861	130	352
1.2 Bonus to All Staff	96	330	1055	433	597	99	42	209
2. Employers' Contribution	1089	8554	8999	1996	1525	1072	160	824

Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 2-digit NIC 2008

District: Ernakulam									
Characteristics	26	27	28	29	30	31	32	33	35
A. No. of Persons engaged(No)	10762	3166	1210	21	4100	484	2045	376	67
1. Workers	6673	2323	749	15	3616	341	1486	277	27
1.1. Directly Employed	5988	2295	531	15	958	341	1069	266	4
1.1.1 Men	4486	1743	496	15	940	260	353	102	4
1.1.2 Women	1502	552	36	0	18	81	717	165	0
1.2 Employed through contractors	685	28	218	0	2658	0	417	11	23
2. Employees other than Workers	4087	838	460	5	482	143	552	93	40
2.1 Supervisory and Managerial	1835	525	231	4	346	40	244	28	34
2.2 Other Employees	2252	313	230	1	136	103	309	65	6
3. Unpaid family members/proprietor etc	3	5	1	1	2	0	7	7	0
B. Total Mandays Employed (in '000)	3239	949	344	6	1144	146	621	108	24
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	28489	15028	6568	42	24974	1439	4150	707	1141
1. Wages and Salaries including Bonus	25604	12379	5096	39	22455	1211	3668	650	632
1.1 Wages and Salaries	24777	11969	4985	39	20822	1190	3472	601	632
1.1.1 Workers	14727	6465	2355	31	11335	733	1986	357	105
1.1.2 Supervisory & Managerial	8142	4695	2071	7	8398	215	925	56	503
1.1.3 Other Employees	1909	809	559	1	1089	242	562	189	23
1.2 Bonus to All Staff	826	410	112	0	1632	21	196	49	0
2. Employers' Contribution	2885	2648	1472	3	2519	227	482	57	509

Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 2-digit NIC 2008

District: Ernakulam					
Characteristics	38	45	52	95	96
A. No. of Persons engaged(No)	29	5978	73	50	140
1.Workers	8	4153	53	43	119
1.1. Directly Employed	0	3860	36	19	119
1.1.1 Men	0	3231	31	19	100
1.1.2 Women	0	630	5	0	19
1.2 Employed through contractors	8	292	16	24	0
2. Employees other than Workers	21	1813	19	7	21
2.1 Supervisory and Managerial	4	633	11	2	19
2.2 Other Employees	17	1180	8	5	2
3. Unpaid family members/proprietor etc	0	13	1	0	0
B. Total Mandays Employed (in '000)	9	1769	22	15	44
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	112	14895	290	126	280
1. Wages and Salaries including Bonus	109	12940	214	124	262
1.1 Wages and Salaries	109	12030	205	124	261
1.1.1 Workers	10	7394	137	107	193
1.1.2 Supervisory & Managerial	44	2015	37	7	64
1.1.3 Other Employees	55	2621	31	10	4
1.2 Bonus to All Staff	0	910	10	0	1
2. Employers' Contribution	4	1955	76	3	18

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District: Idukki																
Characteristics	All	10	11	13	15	16	18	20	21	22	23	27	28	31	35	45
A. No. of Persons engaged(No)	6995	4689	28	109	142	98	0	34	511	329	347	179	35	265	89	141
1.Workers	4943	3388	17	89	64	80	0	16	297	267	308	77	26	174	60	80
1.1. Directly Employed	4588	3322	17	76	64	62	0	15	297	267	107	25	26	174	57	80
1.1.1 Men	2873	1959	11	42	53	29	0	15	166	180	99	12	26	149	57	75
1.1.2 Women	1715	1362	6	34	11	33	0	0	131	87	9	13	0	25	0	4
1.2 Employed through contractors	355	67	0	13	0	18	0	1	0	0	201	52	0	0	3	0
2. Employees other than Workers	2005	1285	11	20	78	16	0	17	214	54	33	102	9	89	29	48
2.1 Supervisory and Managerial	884	507	5	7	17	6	0	17	80	35	31	99	5	39	18	18
2.2 Other Employees	1121	777	6	13	61	10	0	0	134	20	2	3	4	50	11	30
3. Unpaid family members/proprietor etc	47	15	0	0	0	2	0	1	0	8	5	0	0	2	0	13
B. Total Mandays Employed (in '000)	2100	1415	8	32	43	25	0	9	155	98	105	54	10	79	29	39
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	16021	10857	36	168	249	80	0	93	1521	631	800	439	78	642	270	155
1. Wages and Salaries including Bonus	13463	8909	34	150	232	74	0	84	1326	570	767	353	63	515	244	142
1.1 Wages and Salaries	12630	8277	32	150	228	74	0	84	1214	527	755	337	59	515	238	138
1.1.1 Workers	6481	4088	10	82	105	62	0	17	591	412	637	92	38	162	92	94
1.1.2 Supervisory & Managerial	3800	2618	11	50	56	5	0	68	358	75	101	240	14	62	119	23
1.1.3 Other Employees	2349	1571	12	18	66	7	0	0	266	40	18	5	6	291	27	22
1.2 Bonus to All Staff	832	632	1	0	5	0	0	0	111	43	12	15	4	0	5	4
2. Employers' Contribution	2558	1948	3	18	16	6	0	9	196	62	33	86	15	127	27	13

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District: Kottayam	All	10	11	13	14	15	16	17	18
Characteristics	All	10	11	13	14	15	16	17	18
A. No. of Persons engaged(No)	18190	1388	26	502	49	1357	562	927	2975
1.Workers	12322	964	21	425	44	1122	409	747	1265
1.1. Directly Employed	10158	927	0	425	44	963	355	284	1186
1.1.1 Men	8333	523	0	233	23	652	160	250	1055
1.1.2 Women	1825	403	0	192	21	311	195	34	131
1.2 Employed through contractors	2163	37	21	0	0	159	54	463	79
2. Employees other than Workers	5768	421	5	76	5	207	140	178	1706
2.1 Supervisory and Managerial	2190	147	2	40	3	64	80	109	502
2.2 Other Employees	3578	274	3	36	2	144	61	69	1204
3. Unpaid family members/proprietor etc	100	3	0	1	0	28	13	2	4
B. Total Mandays Employed (in '000)	5703	423	8	129	15	358	152	327	1023
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	76070	3676	40	909	84	2527	960	8093	24813
1. Wages and Salaries including Bonus	65953	3178	40	769	83	2270	852	7128	20775
1.1 Wages and Salaries	63396	3048	40	739	83	2147	822	7085	20009
1.1.1 Workers	32173	1698	31	558	72	1463	499	4331	5523
1.1.2 Supervisory & Managerial	16552	702	5	116	6	170	175	1667	6662
1.1.3 Other Employees	14671	648	4	66	5	515	148	1087	7824
1.2 Bonus to All Staff	2556	130	0	30	0	123	30	43	767
2. Employers' Contribution	10118	498	0	140	1	257	108	965	4038

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District: Kottayam	19	20	21	22	23	24	25	27	28	29	31
Characteristics											
A. No. of Persons engaged(No)	56	298	540	4979	1224	60	12	125	92	199	277
1.Workers	26	173	327	3813	904	42	9	100	70	165	225
1.1. Directly Employed	26	52	327	3244	387	42	9	100	70	154	224
1.1.1 Men	26	37	171	3047	377	38	9	48	64	154	192
1.1.2 Women	0	15	156	198	10	4	0	52	6	0	32
1.2 Employed through contractors	0	122	0	568	517	0	0	0	0	11	1
2. Employees other than Workers	30	124	213	1146	308	17	2	23	19	33	49
2.1 Supervisory and Managerial	14	51	83	572	92	5	2	10	11	22	26
2.2 Other Employees	16	73	131	575	216	12	0	13	9	11	23
3. Unpaid family members/proprietor etc	0	2	0	19	11	1	1	2	3	1	3
B. Total Mandays Employed (in '000)	17	87	164	1629	367	17	3	36	26	59	80
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	143	683	1187	19965	4050	188	25	248	159	647	912
1. Wages and Salaries including Bonus	135	581	1072	17552	3600	177	21	225	139	564	817
1.1 Wages and Salaries	131	534	1051	16583	3521	172	19	222	119	561	794
1.1.1 Workers	33	284	471	11108	2093	96	16	168	85	316	470
1.1.2 Supervisory & Managerial	58	124	298	4029	708	58	3	31	18	73	268
1.1.3 Other Employees	40	126	282	1447	720	18	0	23	16	172	56
1.2 Bonus to All Staff	4	48	20	968	79	4	2	4	20	3	22
2. Employers' Contribution	8	102	115	2413	450	11	4	23	20	83	96

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District: Kottayam			
Characteristics	45	58	96
A. No. of Persons engaged(No)	2232	305	7
1.Workers	1434	31	6
1.1. Directly Employed	1303	31	6
1.1.1 Men	1242	31	1
1.1.2 Women	61	0	5
1.2 Employed through contractors	131	0	0
2. Employees other than Workers	790	274	1
2.1 Supervisory and Managerial	322	35	1
2.2 Other Employees	469	239	0
3. Unpaid family members/proprietor etc	7	0	0
B. Total Mandays Employed (in '000)	672	109	1
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	5347	1406	7
1. Wages and Salaries including Bonus	4694	1274	7
1.1 Wages and Salaries	4434	1274	7
1.1.1 Workers	2731	121	6
1.1.2 Supervisory & Managerial	961	420	1
1.1.3 Other Employees	742	734	0
1.2 Bonus to All Staff	260	0	0
2. Employers' Contribution	652	131	1

Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 2-digit NIC 2008

District: Alappuzha	Total	10	11	13	14	15	16	17	18	19	20	21
Characteristics												
A. No. of Persons engaged(No)	30016	14797	307	8452	82	19	138	317	9	14	200	816
1.Workers	25446	13181	243	7061	78	15	108	272	5	10	120	647
1.1. Directly Employed	24742	12880	243	6799	78	15	108	272	5	10	120	647
1.1.1 Men	11556	2765	198	5159	0	10	27	105	3	10	120	305
1.1.2 Women	13186	10115	45	1641	78	5	82	168	2	0	0	342
1.2 Employed through contractors	705	301	0	262	0	0	0	0	0	0	0	0
2. Employees other than Workers	4349	1561	63	1358	4	4	18	35	0	4	77	164
2.1 Supervisory and Managerial	1470	564	14	449	2	1	14	22	0	2	10	48
2.2 Other Employees	2879	997	49	908	2	3	4	13	0	2	67	116
3. Unpaid family members/proprietor etc	220	55	1	33	0	0	12	10	4	0	3	6
B. Total Mandays Employed (in '000)	8479	4113	91	2447	23	5	28	91	1	4	59	231
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	55581	25956	638	14105	97	30	93	377	5	25	713	1758
1. Wages and Salaries including Bonus	48161	22593	565	11934	80	27	88	328	4	24	605	1471
1.1 Wages and Salaries	44802	21227	548	10690	74	24	82	312	4	23	586	1371
1.1.1 Workers	30034	14129	372	8096	68	19	60	252	4	11	307	970
1.1.2 Supervisory & Managerial	7658	3377	63	1183	5	2	16	50	0	9	21	183
1.1.3 Other Employees	7109	3721	113	1411	2	3	6	11	0	2	258	218
1.2 Bonus to All Staff	3360	1366	17	1244	5	2	5	16	0	2	19	101
2. Employers' Contribution	7420	3363	72	2172	18	3	5	49	0	0	108	286

Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 2-digit NIC 2008

District: Alappuzha	22	23	24	25	26	27	28	30	31	32	33	35
Characteristics												
A. No. of Persons engaged(No)	824	218	395	317	489	290	277	111	31	453	37	13
1.Workers	598	142	310	236	410	245	235	87	21	296	25	11
1.1. Directly Employed	598	142	273	236	410	245	235	76	21	296	25	11
1.1.1 Men	454	138	272	216	248	157	235	61	21	121	24	11
1.1.2 Women	144	4	1	20	162	88	0	15	0	175	1	0
1.2 Employed through contractors	0	0	37	0	0	0	0	11	0	0	0	0
2. Employees other than Workers	214	21	83	79	79	44	40	22	10	156	12	1
2.1 Supervisory and Managerial	74	8	33	25	21	20	18	8	4	11	2	1
2.2 Other Employees	140	13	50	54	58	24	22	14	6	145	10	0
3. Unpaid family members/proprietor etc	12	54	2	3	0	1	2	2	0	2	0	1
B. Total Mandays Employed (in '000)	241	40	101	93	147	84	81	32	9	134	11	4
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	1977	150	2408	755	1175	550	661	227	46	997	62	19
1. Wages and Salaries including Bonus	1681	148	2269	634	989	413	561	204	41	985	51	18
1.1 Wages and Salaries	1564	148	2143	607	904	364	511	186	39	976	50	18
1.1.1 Workers	792	125	468	393	672	247	417	112	21	773	27	12
1.1.2 Supervisory & Managerial	422	10	1527	109	97	63	65	38	9	29	8	6
1.1.3 Other Employees	350	12	148	106	134	54	28	36	10	174	15	0
1.2 Bonus to All Staff	117	1	125	27	85	49	50	18	2	8	0	0
2. Employers' Contribution	296	2	139	121	185	137	100	23	5	12	11	1

Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 2-digit NIC 2008

District: Alappuzha			
Characteristics	45	52	82
A. No. of Persons engaged(No)	1146	227	37
1.Workers	864	197	29
1.1. Directly Employed	864	103	29
1.1.1 Men	824	58	15
1.1.2 Women	40	45	14
1.2 Employed through contractors	0	93	0
2. Employees other than Workers	265	30	8
2.1 Supervisory and Managerial	93	23	3
2.2 Other Employees	172	7	5
3. Unpaid family members/proprietor etc	18	0	0
B. Total Mandays Employed (in '000)	334	66	11
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	2183	491	85
1. Wages and Salaries including Bonus	1932	444	73
1.1 Wages and Salaries	1841	440	69
1.1.1 Workers	1277	361	49
1.1.2 Supervisory & Managerial	284	71	9
1.1.3 Other Employees	280	8	11
1.2 Bonus to All Staff	91	4	4
2. Employers' Contribution	251	48	12

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District: Pathanamthitta	Total	10	11	13	15	16	18	20	21
Characteristics	Total	10	11	13	15	16	18	20	21
A. No. of Persons engaged(No)	9133	2948	61	63	33	1097	12	23	25
1.Workers	7319	2619	37	44	27	931	8	10	16
1.1. Directly Employed	7198	2599	37	44	27	931	8	10	16
1.1.1 Men	4560	597	23	44	10	461	3	8	6
1.1.2 Women	2638	2003	14	0	17	470	5	2	10
1.2 Employed through contractors	121	20	0	0	0	0	0	0	0
2. Employees other than Workers	1707	304	22	18	4	145	3	11	8
2.1 Supervisory and Managerial	1026	139	3	7	2	134	1	4	2
2.2 Other Employees	681	165	19	11	2	11	2	7	6
3. Unpaid family members/proprietor etc	108	26	2	1	2	22	1	2	1
B. Total Mandays Employed (in '000)	2543	750	17	16	8	318	3	6	7
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	19111	4353	295	115	31	981	15	29	49
1. Wages and Salaries including Bonus	17508	3791	269	109	29	974	12	29	47
1.1 Wages and Salaries	16501	3482	227	93	27	973	12	29	44
1.1.1 Workers	9905	2429	83	53	21	720	7	14	24
1.1.2 Supervisory & Managerial	5211	739	31	29	4	243	3	7	6
1.1.3 Other Employees	1385	314	113	10	2	10	3	8	14
1.2 Bonus to All Staff	1006	309	42	16	2	2	0	0	2
2. Employers' Contribution	1603	562	26	6	2	6	3	0	2

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District: Pathanamthitta	22	23	25	27	31	32	35	45	96
Characteristics									
A. No. of Persons engaged(No)	226	3079	84	18	11	27	50	1351	26
1.Workers	174	2411	62	12	6	23	39	881	20
1.1. Directly Employed	169	2407	62	12	6	23	29	798	20
1.1.1 Men	163	2401	40	12	6	1	28	752	6
1.1.2 Women	6	6	22	0	0	22	1	47	14
1.2 Employed through contractors	4	4	0	0	0	0	10	82	0
2. Employees other than Workers	45	644	19	5	5	3	11	455	6
2.1 Supervisory and Managerial	22	395	5	1	2	2	2	305	1
2.2 Other Employees	23	249	14	4	3	1	9	151	5
3. Unpaid family members/proprietor etc	7	24	3	1	0	1	0	15	0
B. Total Mandays Employed (in '000)	56	896	24	5	3	8	18	399	7
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	412	9652	163	45	38	32	172	2697	32
1. Wages and Salaries including Bonus	356	9099	146	42	37	30	147	2360	31
1.1 Wages and Salaries	347	8662	139	39	36	28	137	2195	31
1.1.1 Workers	234	4923	84	10	16	20	81	1161	23
1.1.2 Supervisory & Managerial	75	3153	39	26	8	6	13	827	2
1.1.3 Other Employees	37	585	16	3	12	2	42	207	6
1.2 Bonus to All Staff	9	438	6	3	0	2	10	165	0
2. Employers' Contribution	57	553	18	3	1	3	24	337	1

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District:Kollam	Total	10	11	13	14	15	16	17	18	19
Characteristics										
A. No. of Persons engaged (No.)	55379	45812	40	632	538	0	195	233	112	159
1.Workers	50398	42565	28	534	522	0	146	184	93	144
1.1 Directly Employed	50133	42454	28	534	522	0	146	182	93	20
1.1.1 Men	9182	2709	16	457	60	0	94	155	49	20
1.1.2 Women	40951	39746	12	77	462	0	52	27	44	0
1.2 Employed through contractors	265	111	0	0	0	0	0	2	0	124
2. Employees other than Workers	4544	3026	11	97	15	0	29	47	18	14
2.1 Supervisory and Managerial	1759	986	4	32	10	0	13	15	11	14
2.2 Other Employees	2786	2039	7	65	5	0	17	32	7	0
3. Unpaid family members/proprietor etc	437	221	1	1	1	0	21	3	2	1
B. Total Mandays Employed (in '000)	13033	10260	8	140	156	0	34	68	30	48
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	71436	40040	25	769	377	0	155	415	154	1374
1. Wages and Salaries including Bonus	62007	35188	24	631	356	0	149	362	140	1249
1.1 Wages and Salaries	55178	29467	23	591	342	0	139	356	130	1210
1.1.1 Workers	42894	24618	16	413	323	0	87	261	111	935
1.1.2 Supervisory & Managerial	8119	2519	3	76	13	0	33	38	11	274
1.1.3 Other Employees	4165	2331	4	102	5	0	19	57	7	0
1.2 Bonus to All Staff	6829	5721	1	40	14	0	10	7	11	39
2. Employers' Contribution	9429	4851	1	138	21	0	6	52	14	126

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District:Kollam	20	21	22	23	24	25	27	28	29	30	31
Characteristics											
A. No. of Persons engaged (No.)	2064	88	817	2096	139	213	420	33	5	27	31
1.Workers	1725	68	659	1796	117	183	314	25	4	21	23
1.1 Directly Employed	1725	68	659	1796	91	183	314	25	4	21	23
1.1.1 Men	1717	44	491	1738	91	148	217	22	4	21	23
1.1.2 Women	8	25	168	58	0	35	97	3	0	0	0
1.2 Employed through contractors	0	0	0	0	26	0	0	0	0	0	0
2. Employees other than Workers	337	14	150	152	21	29	106	8	0	6	8
2.1 Supervisory and Managerial	230	5	94	78	8	6	33	4	0	4	4
2.2 Other Employees	107	9	55	75	13	23	74	4	0	2	4
3. Unpaid family members/proprietor etc	2	5	8	148	1	1	0	0	1	0	0
B. Total Mandays Employed (in '000)	741	23	242	513	43	61	137	10	1	8	7
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	17973	111	1843	2739	421	297	1321	46	6	47	27
1. Wages and Salaries including Bonus	15064	100	1375	2665	375	280	1047	44	5	46	24
1.1 Wages and Salaries	14569	89	1248	2613	362	260	1003	43	5	44	24
1.1.1 Workers	10246	60	853	2167	289	185	556	28	5	33	16
1.1.2 Supervisory & Managerial	3671	10	303	225	46	41	246	8	0	10	6
1.1.3 Other Employees	652	19	92	220	26	34	201	8	0	2	2
1.2 Bonus to All Staff	495	11	126	52	13	20	45	1	1	2	0
2. Employers' Contribution	2909	10	468	75	47	17	274	1	1	1	2

**Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and
(iii)emoluments paid in factory sector by 2-digit NIC 2008**

District:Kollam				
Characteristics	32	33	45	96
A. No. of Persons engaged (No.)	109	15	1554	49
1.Workers	89	8	1113	39
1.1 Directly Employed	89	6	1113	39
1.1.1 Men	12	6	1067	22
1.1.2 Women	77	0	46	17
1.2 Employed through contractors	0	2	0	0
2. Employees other than Workers	19	7	426	6
2.1 Supervisory and Managerial	9	3	194	3
2.2 Other Employees	10	4	233	3
3. Unpaid family members/proprietor etc	1	0	16	4
B. Total Mandays Employed (in '000)	31	4	458	10
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	125	29	3111	32
1. Wages and Salaries including Bonus	102	27	2721	32
1.1 Wages and Salaries	102	27	2500	31
1.1.1 Workers	77	10	1581	24
1.1.2 Supervisory & Managerial	15	11	555	5
1.1.3 Other Employees	10	6	364	2
1.2 Bonus to All Staff	0	0	221	1
2. Employers' Contribution	23	2	389	0

Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 2-digit NIC 2008

District: Thiruvananthapuram									
Characteristics	All	10	11	13	14	16	17	18	19
A. No. of Persons engaged(No)	20239	3247	32	585	1566	229	78	644	38
1.Workers	16135	2880	26	516	1442	205	74	328	28
1.1. Directly Employed	13088	2666	26	497	1442	205	74	328	12
1.1.1 Men	8055	494	3	231	181	160	28	285	12
1.1.2 Women	5032	2172	23	266	1261	45	46	43	0
1.2 Employed through contractors	3047	214	0	19	0	0	0	0	16
2. Employees other than Workers	4021	358	6	50	123	18	4	316	10
2.1 Supervisory and Managerial	1812	154	3	21	59	14	2	192	8
2.2 Other Employees	2209	204	3	30	64	4	2	124	2
3. Unpaid family members/proprietor etc	83	10	0	19	1	7	0	0	0
B. Total Mandays Employed (in '000)	6039	864	10	165	461	66	23	220	11
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	58927	5096	51	1064	1604	258	168	2648	349
1. Wages and Salaries including Bonus	49597	4433	43	892	1363	248	151	2200	332
1.1 Wages and Salaries	47495	4157	43	839	1288	239	147	2160	332
1.1.1 Workers	29519	2854	31	643	1115	210	141	1236	181
1.1.2 Supervisory & Managerial	12148	700	7	121	116	25	3	675	110
1.1.3 Other Employees	5828	603	5	75	57	4	3	249	40
1.2 Bonus to All Staff	2102	275	0	52	75	9	4	39	0
2. Employers' Contribution	9330	664	7	173	241	10	17	448	17

Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 2-digit NIC 2008

District: Thiruvananthapuram									
Characteristics	20	21	22	23	24	25	26	27	28
A. No. of Persons engaged(No)	702	889	3580	3032	26	80	904	860	207
1.Workers	412	262	3107	2543	13	21	633	705	172
1.1. Directly Employed	407	259	1498	2108	13	21	347	473	169
1.1.1 Men	398	148	1089	2072	12	17	253	277	159
1.1.2 Women	9	111	410	37	1	4	94	196	10
1.2 Employed through contractors	5	3	1609	434	0	0	286	232	3
2. Employees other than Workers	289	626	469	486	13	51	270	154	35
2.1 Supervisory and Managerial	102	31	322	275	6	27	80	109	17
2.2 Other Employees	187	595	147	211	7	24	190	45	18
3. Unpaid family members/proprietor etc	1	2	4	3	0	8	1	1	0
B. Total Mandays Employed (in '000)	210	268	1221	864	5	21	268	252	63
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	5077	1750	13312	11319	44	257	3431	2648	413
1. Wages and Salaries including Bonus	3731	1446	10999	9897	41	230	2892	2202	346
1.1 Wages and Salaries	3583	1426	10558	9645	41	221	2758	2096	333
1.1.1 Workers	1606	289	7670	5355	21	70	1098	1482	232
1.1.2 Supervisory & Managerial	842	188	2490	3793	17	106	757	468	70
1.1.3 Other Employees	1135	949	398	498	3	45	903	146	31
1.2 Bonus to All Staff	148	20	440	252	0	9	134	106	13
2. Employers' Contribution	1346	304	2313	1423	4	27	539	446	67

Table 2.4: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 2-digit NIC 2008

District: Thiruvananthapuram								
Characteristics	30	31	32	33	45	59	95	96
A. No. of Persons engaged(No)	782	161	99	1	2150	30	9	309
1.Workers	603	130	67	0	1670	18	3	278
1.1. Directly Employed	418	102	67	0	1670	14	3	269
1.1.1 Men	393	72	47	0	1474	5	3	244
1.1.2 Women	25	30	20	0	196	9	0	25
1.2 Employed through contractors	185	28	0	0	0	4	0	9
2. Employees other than Workers	179	23	31	0	470	12	5	25
2.1 Supervisory and Managerial	127	12	10	0	224	7	0	12
2.2 Other Employees	52	11	21	0	246	5	5	13
3. Unpaid family members/proprietor etc	0	8	1	1	11	0	1	6
B. Total Mandays Employed (in '000)	234	45	26	0	639	9	2	92
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	3661	426	342	0	4309	202	8	490
1. Wages and Salaries including Bonus	3038	406	336	0	3737	197	6	432
1.1 Wages and Salaries	2929	397	305	0	3375	197	6	420
1.1.1 Workers	2001	255	143	0	2411	103	2	373
1.1.2 Supervisory & Managerial	704	108	91	0	667	61	0	28
1.1.3 Other Employees	224	34	70	0	297	33	4	20
1.2 Bonus to All Staff	110	10	31	0	362	0	0	12
2. Employers' Contribution	623	19	6	0	572	4	2	57

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Kasargod

Characteristics	All	102	103	104	105	106	107	110	131
A. No. of Persons engaged(No.)	20239	90	19	0	506	80	2552	32	585
1. Workers	16135	65	13	0	357	47	2398	26	516
1.1. Directly Employed	13088	63	13	0	145	47	2398	26	497
1.1.1 Men	8055	25	4	0	97	41	327	3	231
1.1.2 Women	5032	38	9	0	48	6	2071	23	266
1.2 Employed through contractors	3047	2	0	0	212	0	0	0	19
2. Employees other than Workers	4021	25	5	0	149	33	146	6	50
2.1 Supervisory and Managerial	1812	14	3	0	49	11	77	3	21
2.2 Other Employees	2209	11	2	0	100	22	69	3	30
3. Unpaid family members/proprietor etc.	83	0	1	0	0	0	9	0	19
B. Total Mandays Employed (in '000)	6039	27	5	0	155	24	653	10	165
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	58927	168	30	0	2208	173	2517	51	1064
1. Wages and Salaries including Bonus	49597	155	28	0	1815	159	2276	43	892
1.1 Wages and Salaries	47495	151	26	0	1792	132	2056	43	839
1.1.1 Workers	29519	67	17	0	858	38	1873	31	643
1.1.2 Supervisory & Managerial	12148	56	6	0	459	47	133	7	121
1.1.3 Other Employees	5828	28	4	0	475	47	50	5	75
1.2 Bonus to All Staff	2102	4	1	0	23	28	220	0	52
2. Employers' Contribution	9330	13	2	0	394	14	241	7	173

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Kasargod

Characteristics	141	161	162	170	181	192	201	202	210
A. No. of Persons engaged(No.)	1566	14	215	78	644	38	694	8	889
1.Workers	1442	11	194	74	328	28	408	4	262
1.1. Directly Employed	1442	11	194	74	328	12	403	4	259
1.1.1 Men	181	5	155	28	285	12	395	3	148
1.1.2 Women	1261	6	39	46	43	0	8	1	111
1.2 Employed through contractors	0	0	0	0	0	16	5	0	3
2. Employees other than Workers	123	2	16	4	316	10	286	3	626
2.1 Supervisory and Managerial	59	2	12	2	192	8	102	0	31
2.2 Other Employees	64	0	4	2	124	2	184	3	595
3. Unpaid family members/proprietor etc.	1	2	5	0	0	0	0	1	2
B. Total Mandays Employed (in '000)	461	2	64	23	220	11	208	2	268
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	1604	7	251	168	2648	349	5067	11	1750
1. Wages and Salaries including Bonus	1363	7	241	151	2200	332	3721	10	1446
1.1 Wages and Salaries	1288	7	232	147	2160	332	3573	10	1426
1.1.1 Workers	1115	4	205	141	1236	181	1601	5	289
1.1.2 Supervisory & Managerial	116	2	23	3	675	110	842	0	188
1.1.3 Other Employees	57	0	4	3	249	40	1131	5	949
1.2 Bonus to All Staff	75	0	9	4	39	0	148	0	20
2. Employers' Contribution	241	0	10	17	448	17	1345	1	304

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Kasargod

Characteristics	221	222	231	239	243	251	259	261	262
A. No. of Persons engaged(No.)	1776	1804	41	2991	26	63	17	138	17
1. Workers	1592	1515	26	2517	13	16	5	66	16
1.1. Directly Employed	664	834	26	2082	13	16	5	66	15
1.1.1 Men	500	589	21	2051	12	16	1	58	9
1.1.2 Women	164	246	5	32	1	0	4	8	6
1.2 Employed through contractors	928	681	0	434	0	0	0	0	1
2. Employees other than Workers	181	288	15	471	13	46	5	71	1
2.1 Supervisory and Managerial	138	184	9	266	6	24	3	6	1
2.2 Other Employees	43	104	6	205	7	22	2	65	0
3. Unpaid family members/proprietor etc.	3	1	0	3	0	1	7	1	0
B. Total Mandays Employed (in '000)	619	602	12	853	5	19	3	40	5
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	6075	7237	101	11219	44	236	21	329	37
1. Wages and Salaries including Bonus	4936	6062	94	9803	41	212	19	318	28
1.1 Wages and Salaries	4837	5721	88	9558	41	203	19	293	26
1.1.1 Workers	3749	3921	47	5308	21	62	8	148	23
1.1.2 Supervisory & Managerial	994	1496	31	3762	17	99	7	19	3
1.1.3 Other Employees	93	305	10	488	3	42	3	127	0
1.2 Bonus to All Staff	99	341	6	246	0	9	0	24	2
2. Employers' Contribution	1139	1174	7	1415	4	24	3	11	9

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Kasargod

Characteristics	263	264	271	274	275	279	281	282	301
A. No. of Persons engaged(No.)	688	61	407	66	23	364	23	184	17
1. Workers	521	30	329	48	19	309	15	157	13
1.1. Directly Employed	236	30	261	48	17	147	15	154	9
1.1.1 Men	163	23	122	33	17	105	15	144	9
1.1.2 Women	73	7	139	15	0	42	0	10	0
1.2 Employed through contractors	285	0	68	0	2	162	0	3	4
2. Employees other than Workers	167	31	78	18	4	54	8	27	4
2.1 Supervisory and Managerial	70	3	41	18	2	48	4	13	2
2.2 Other Employees	97	28	37	0	2	6	4	14	2
3. Unpaid family members/proprietor etc.	0	0	0	0	0	1	0	0	0
B. Total Mandays Employed (in '000)	206	17	118	19	7	108	7	56	5
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	2461	604	1538	96	43	972	59	353	39
1. Wages and Salaries including Bonus	1995	551	1303	77	38	784	58	288	36
1.1 Wages and Salaries	1925	514	1222	72	38	763	54	279	36
1.1.1 Workers	765	163	841	38	28	575	30	202	27
1.1.2 Supervisory & Managerial	675	60	250	34	7	176	19	52	7
1.1.3 Other Employees	485	291	131	0	3	12	6	25	2
1.2 Bonus to All Staff	71	37	81	5	1	20	4	9	0
2. Employers' Contribution	465	53	235	18	4	189	1	65	3

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Kasargod

Characteristics	303	309	310	325	331	332	452	454	591
A. No. of Persons engaged(No.)	620	145	161	99	1	0	2040	110	30
1. Workers	491	99	130	67	0	0	1583	87	18
1.1. Directly Employed	319	90	102	67	0	0	1583	87	14
1.1.1 Men	295	89	72	47	0	0	1390	84	5
1.1.2 Women	24	1	30	20	0	0	193	3	9
1.2 Employed through contractors	172	9	28	0	0	0	0	0	4
2. Employees other than Workers	129	46	23	31	0	0	449	21	12
2.1 Supervisory and Managerial	104	21	12	10	0	0	212	12	7
2.2 Other Employees	25	25	11	21	0	0	237	9	5
3. Unpaid family members/proprietor etc.	0	0	8	1	1	0	9	2	0
B. Total Mandays Employed (in '000)	186	43	45	26	0	0	607	32	9
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	3061	561	426	342	0	0	4138	172	202
1. Wages and Salaries including Bonus	2544	458	406	336	0	0	3579	158	197
1.1 Wages and Salaries	2435	457	397	305	0	0	3222	152	197
1.1.1 Workers	1721	252	255	143	0	0	2302	109	103
1.1.2 Supervisory & Managerial	584	112	108	91	0	0	632	36	61
1.1.3 Other Employees	130	92	34	70	0	0	289	8	33
1.2 Bonus to All Staff	109	1	10	31	0	0	356	6	0
2. Employers' Contribution	517	103	19	6	0	0	559	13	4

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Kasargod

Characteristics	952	960
A. No. of Persons engaged(No.)	9	309
1.Workers	3	278
1.1. Directly Employed	3	269
1.1.1 Men	3	244
1.1.2 Women	0	25
1.2 Employed through contractors	0	9
2. Employees other than Workers	5	25
2.1 Supervisory and Managerial	0	12
2.2 Other Employees	5	13
3. Unpaid family members/proprietor etc.	1	6
B. Total Mandays Employed (in '000)	2	92
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	8	490
1. Wages and Salaries including Bonus	6	432
1.1 Wages and Salaries	6	420
1.1.1 Workers	2	373
1.1.2 Supervisory & Managerial	0	28
1.1.3 Other Employees	4	20
1.2 Bonus to All Staff	0	12
2. Employers' Contribution	2	57

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Kannur	All	102	103	104	105	106	107	110	120
Characteristics	All	102	103	104	105	106	107	110	120
A. No. of Persons engaged (No.)	19004	83	17	130	402	86	16	77	6669
1. Workers	16802	17	13	118	330	69	11	53	6431
1.1. Directly Employed	15895	17	13	110	166	66	10	53	6284
1.1.1 Men	5490	0	2	32	106	50	3	11	709
1.1.2 Women	10405	17	11	78	60	17	7	42	5574
1.2 Employed through contractors	906	0	0	8	165	3	2	0	147
2. Employees other than Workers	2010	66	4	12	71	15	4	23	167
2.1 Supervisory and Managerial	1022	30	2	7	29	8	1	8	155
2.2 Other Employees	989	36	2	5	43	8	4	15	12
3. Unpaid family members/proprietor etc	192	0	0	0	0	2	0	1	71
B. Total Mandays Employed (in '000)	5375	2	5	38	135	24	5	23	1775
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	30131	32	24	172	1494	237	15	200	5700
1. Wages and Salaries including Bonus	26163	32	21	149	1304	229	13	188	5048
1.1 Wages and Salaries	24181	31	20	146	1282	226	13	188	4483
1.1.1 Workers	18494	2	11	116	890	119	9	66	4302
1.1.2 Supervisory & Managerial	3359	17	6	21	176	98	2	96	171
1.1.3 Other Employees	2328	12	3	9	216	8	2	26	9
1.2 Bonus to All Staff	1982	1	1	3	22	3	0	0	565
2. Employers' Contribution	3968	0	3	23	190	8	2	12	652

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Kannur	131	139	141	151	152	161	162	170	181	201
Characteristics										
A. No. of Persons engaged (No.)	3948	406	1230	22	171	172	1228	22	157	55
1. Workers	3649	377	1071	19	131	116	967	17	140	40
1.1. Directly Employed	3427	377	1071	16	131	116	914	17	140	40
1.1.1 Men	1310	50	19	2	73	105	707	5	83	40
1.1.2 Women	2117	327	1052	14	58	11	208	12	58	0
1.2 Employed through contractors	222	0	0	3	0	0	52	0	0	0
2. Employees other than Workers	282	24	159	3	40	32	227	4	14	15
2.1 Supervisory and Managerial	128	17	55	3	11	25	124	2	11	7
2.2 Other Employees	154	7	104	0	29	7	103	2	3	8
3. Unpaid family members/proprietor etc	17	5	0	0	0	25	34	1	3	0
B. Total Mandays Employed (in '000)	1183	115	369	6	51	38	342	6	44	17
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	6298	535	1825	21	353	211	2555	22	364	151
1. Wages and Salaries including Bonus	5334	448	1585	19	314	185	2290	20	310	141
1.1 Wages and Salaries	4805	391	1447	18	297	177	2146	19	289	138
1.1.1 Workers	4169	299	1050	13	199	137	1609	15	265	80
1.1.2 Supervisory & Managerial	330	84	234	4	47	33	338	2	23	37
1.1.3 Other Employees	306	8	164	0	50	6	198	1	2	21
1.2 Bonus to All Staff	529	57	137	2	17	9	144	1	20	3
2. Employers' Contribution	964	87	241	2	39	26	265	2	55	9

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Kannur	202	210	221	222	239	241	251	259	261	271
Characteristics	202	210	221	222	239	241	251	259	261	271
A. No. of Persons engaged (No.)	175	298	174	452	661	31	135	9	337	0
1.Workers	135	174	142	381	544	26	117	6	282	0
1.1. Directly Employed	5	174	139	381	513	26	117	4	254	0
1.1.1 Men	5	49	134	277	274	26	107	3	205	0
1.1.2 Women	0	126	5	105	239	0	11	1	49	0
1.2 Employed through contractors	130	0	3	0	32	0	0	2	28	0
2. Employees other than Workers	40	123	32	64	105	4	18	0	55	0
2.1 Supervisory and Managerial	24	28	23	37	53	1	7	0	25	0
2.2 Other Employees	16	95	10	27	51	3	11	0	30	0
3. Unpaid family members/proprietor etc	0	0	0	7	12	1	0	3	0	0
B. Total Mandays Employed (in '000)	52	88	52	131	181	9	40	1	101	0
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	463	1070	394	978	1264	30	342	7	1585	0
1. Wages and Salaries including Bonus	415	967	319	880	1082	27	295	6	1218	0
1.1 Wages and Salaries	403	948	304	806	1033	27	276	6	1117	0
1.1.1 Workers	219	217	221	649	799	22	228	6	666	0
1.1.2 Supervisory & Managerial	136	267	70	128	157	2	31	0	225	0
1.1.3 Other Employees	48	464	14	29	77	3	17	0	226	0
1.2 Bonus to All Staff	13	19	15	74	49	0	19	0	102	0
2. Employers' Contribution	48	104	75	97	182	3	48	0	367	0

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Kannur	273	282	292	301	310	321	323	352	452	454
Characteristics										
A. No. of Persons engaged (No.)	93	27	6	96	903	8	35	9	656	12
1. Workers	55	16	5	85	695	6	26	5	527	6
1.1. Directly Employed	15	16	5	19	691	6	26	5	527	6
1.1.1 Men	4	15	5	17	532	4	7	5	510	6
1.1.2 Women	11	1	0	2	158	2	19	0	16	0
1.2 Employed through contractors	40	0	0	66	4	0	0	0	0	0
2. Employees other than Workers	38	10	1	11	199	1	8	4	129	6
2.1 Supervisory and Managerial	15	6	1	5	112	1	1	1	56	3
2.2 Other Employees	23	4	0	6	87	0	7	3	73	3
3. Unpaid family members/proprietor etc	0	1	0	0	10	1	1	0	0	0
B. Total Mandays Employed (in '000)	28	7	2	28	265	1	10	3	193	4
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	144	69	12	230	2072	7	55	34	1147	17
1. Wages and Salaries including Bonus	133	61	12	208	1814	6	44	26	1003	17
1.1 Wages and Salaries	132	58	12	202	1716	6	40	22	944	17
1.1.1 Workers	54	27	10	173	1102	5	23	8	706	7
1.1.2 Supervisory & Managerial	47	21	2	20	379	1	3	3	141	6
1.1.3 Other Employees	31	10	0	9	235	0	14	10	97	3
1.2 Bonus to All Staff	1	3	0	6	98	0	5	4	59	1
2. Employers' Contribution	11	9	0	22	259	0	11	8	144	0

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Wayanad

Characteristics	All	101	105	107	152	161	162	170	181	201	202	210
A. No. of Persons engaged(No)	2611	50	273	1533	209	31	46	1	22	11	59	22
1.Workers	2138	39	190	1300	175	23	36	0	17	6	40	8
1.1. Directly Employed	1964	39	68	1300	175	23	17	0	17	6	7	8
1.1.1 Men	1390	26	46	822	175	18	11	0	12	6	3	4
1.1.2 Women	574	13	22	479	0	5	6	0	5	0	4	4
1.2 Employed through contractors	174	0	122	0	0	0	19	0	0	0	33	0
2. Employees other than Workers	459	11	83	233	34	3	10	0	3	5	18	13
2.1 Supervisory and Managerial	217	6	14	117	17	3	7	0	1	2	9	1
2.2 Other Employees	242	5	69	117	17	0	3	0	2	3	9	12
3. Unpaid family members/proprietor etc	14	0	0	0	0	5	0	1	2	0	1	1
B. Total Mandays Employed (in '000)	796	15	97	467	63	7	12	0	6	3	17	6
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	5629	121	872	3311	344	32	56	0	25	19	109	28
1. Wages and Salaries including Bonus	4811	98	778	2771	299	32	55	0	23	17	94	25
1.1 Wages and Salaries	4543	98	770	2554	280	31	55	0	23	16	89	24
1.1.1 Workers	3014	69	429	1667	225	27	34	0	19	8	40	8
1.1.2 Supervisory & Managerial	1036	17	99	724	31	4	18	0	2	4	31	2
1.1.3 Other Employees	492	13	243	163	24	0	3	0	2	5	18	14
1.2 Bonus to All Staff	268	0	8	217	18	1	0	0	0	1	5	1
2. Employers' Contribution	818	23	94	540	46	0	1	0	2	2	15	4

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Wayanad

Characteristics	239	452
A. No. of Persons engaged(No)	155	200
1.Workers	129	175
1.1. Directly Employed	129	175
1.1.1 Men	119	149
1.1.2 Women	10	26
1.2 Employed through contractors	0	0
2. Employees other than Workers	23	23
2.1 Supervisory and Managerial	18	23
2.2 Other Employees	6	0
3. Unpaid family members/proprietor etc	3	2
B. Total Mandays Employed (in '000)	45	58
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	323	389
1. Wages and Salaries including Bonus	285	335
1.1 Wages and Salaries	279	324
1.1.1 Workers	214	276
1.1.2 Supervisory & Managerial	57	48
1.1.3 Other Employees	7	0
1.2 Bonus to All Staff	6	11
2. Employers' Contribution	38	54

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Kozhikode	All	103	104	105	106	107	108	110	120	131
Characteristics	All	103	104	105	106	107	108	110	120	131
A. No. of Persons engaged(No)	13672	13	300	307	264	80	16	277	379	691
1. Workers	10206	5	255	222	190	66	10	211	358	605
1.1. Directly Employed	9440	5	255	164	190	66	10	63	78	605
1.1.1 Men	7520	0	233	132	175	42	8	17	3	270
1.1.2 Women	1920	5	23	32	15	24	2	46	75	336
1.2 Employed through contractors	767	0	0	58	0	0	0	148	280	0
2. Employees other than Workers	3405	8	43	83	72	10	6	65	17	86
2.1 Supervisory and Managerial	1348	5	18	30	24	10	2	20	9	39
2.2 Other Employees	2057	3	25	53	48	0	4	45	9	47
3. Unpaid family members/proprietor etc	60	0	3	2	2	4	0	1	3	0
B. Total Mandays Employed (in '000)	4137	4	92	108	79	23	5	83	94	190
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	37612	16	1209	1493	713	112	29	518	187	717
1. Wages and Salaries including Bonus	32196	16	1135	1264	644	84	27	476	180	646
1.1 Wages and Salaries	30788	16	1117	1257	596	78	25	418	170	612
1.1.1 Workers	15654	4	430	867	418	64	14	261	152	499
1.1.2 Supervisory & Managerial	8018	10	34	232	94	14	6	83	10	67
1.1.3 Other Employees	7116	2	653	158	85	0	5	74	9	45
1.2 Bonus to All Staff	1408	0	19	8	48	6	2	58	9	34
2. Employer's Contribution	5416	0	73	228	68	29	2	42	8	71

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Kozhikode	139	141	152	161	162	170	181	201	202	210	221
Characteristics	139	141	152	161	162	170	181	201	202	210	221
A. No. of Persons engaged(No)	52	115	4232	158	209	46	79	44	163	189	300
1.Workers	43	88	3604	129	172	33	64	33	73	158	220
1.1. Directly Employed	43	88	3530	129	172	33	64	0	64	158	220
1.1.1 Men	5	49	2889	106	84	26	45	0	21	45	160
1.1.2 Women	38	39	641	23	88	7	19	0	43	113	61
1.2 Employed through contractors	0	0	74	0	0	0	0	33	9	0	0
2. Employees other than Workers	9	27	621	13	26	13	15	11	88	32	80
2.1 Supervisory and Managerial	9	8	279	10	18	10	11	3	20	14	44
2.2 Other Employees	0	19	342	3	7	3	4	8	68	18	36
3. Unpaid family members/proprietor etc	0	0	7	16	11	0	0	0	2	0	0
B. Total Mandays Employed (in '000)	14	35	1259	31	59	15	24	13	49	57	100
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	34	309	8737	104	154	87	165	90	367	211	811
1. Wages and Salaries including Bonus	31	276	7719	99	141	70	133	80	333	194	725
1.1 Wages and Salaries	29	264	7305	97	137	66	127	74	325	188	703
1.1.1 Workers	16	126	5413	81	120	49	100	48	102	122	379
1.1.2 Supervisory & Managerial	13	77	1021	15	14	13	22	13	101	31	239
1.1.3 Other Employees	0	61	871	1	3	5	5	14	121	35	84
1.2 Bonus to All Staff	2	12	414	2	4	4	6	6	8	6	22
2. Employer's Contribution	3	33	1018	5	13	17	32	10	34	17	87

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Kozhikode	222	239	241	243	251	259	272	275	279	282	303
Characteristics	222	239	241	243	251	259	272	275	279	282	303
A. No. of Persons engaged(No)	143	1350	254	434	95	4	66	1	36	62	44
1. Workers	124	1238	165	274	83	3	43	0	25	51	33
1.1. Directly Employed	124	1229	117	192	62	3	43	0	20	51	33
1.1.1 Men	39	1139	112	192	39	3	25	0	15	42	16
1.1.2 Women	85	90	5	0	23	0	18	0	5	9	17
1.2 Employed through contractors	0	9	48	82	21	0	0	0	5	0	0
2. Employees other than Workers	20	112	89	158	12	0	22	1	11	11	11
2.1 Supervisory and Managerial	13	58	61	105	8	0	12	1	3	5	6
2.2 Other Employees	7	54	28	53	4	0	10	0	8	6	5
3. Unpaid family members/proprietor etc	0	0	0	2	0	1	1	0	0	0	0
B. Total Mandays Employed (in '000)	43	389	79	131	29	1	19	0	11	19	13
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	96	3254	836	1882	198	4	102	0	151	150	68
1. Wages and Salaries including Bonus	84	2717	642	1621	190	2	84	0	117	140	64
1.1 Wages and Salaries	84	2568	606	1493	186	2	80	0	114	128	63
1.1.1 Workers	73	2330	183	462	116	2	47	0	70	93	28
1.1.2 Supervisory & Managerial	8	133	235	915	63	0	22	0	17	24	31
1.1.3 Other Employees	3	105	188	116	6	0	10	0	27	10	4
1.2 Bonus to All Staff	0	149	35	127	4	0	4	0	4	12	1
2. Employer's Contribution	12	537	195	262	8	2	17	0	33	10	5

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Kozhikode	310	325	329	331	383	452	454	581	829	829
Characteristics	310	325	329	331	383	452	454	581	829	829
A. No. of Persons engaged(No)	65	21	0	8	9	1423	25	1711	8	100
1. Workers	45	10	0	6	6	965	18	575	5	96
1.1. Directly Employed	45	10	0	6	6	965	18	575	5	96
1.1.1 Men	38	10	0	6	6	954	18	552	5	96
1.1.2 Women	8	0	0	0	0	10	0	23	0	0
1.2 Employed through contractors	0	0	0	0	0	0	0	0	0	0
2. Employees other than Workers	18	11	0	1	3	459	7	1136	1	3
2.1 Supervisory and Managerial	5	2	0	1	2	254	4	226	0	3
2.2 Other Employees	13	9	0	0	1	205	3	910	1	0
3. Unpaid family members/proprietor etc	3	0	0	1	0	0	0	0	2	1
B. Total Mandays Employed (in '000)	18	6	0	2	3	429	8	604	2	30
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	63	73	0	11	50	2859	29	11710	13	158
1. Wages and Salaries including Bonus	63	68	0	11	35	2386	24	9664	11	156
1.1 Wages and Salaries	63	65	0	10	35	2263	23	9392	10	155
1.1.1 Workers	48	23	0	9	22	1309	15	1550	9	146
1.1.2 Supervisory & Managerial	6	18	0	2	10	706	6	3715	0	9
1.1.3 Other Employees	9	25	0	0	2	248	3	4126	1	0
1.2 Bonus to All Staff	0	3	0	0	0	123	1	273	1	1
2. Employer's Contribution	0	5	0	1	15	473	5	2045	2	2

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Malappuram	All	103	104	105	106	107	110	120	131	139	152
Characteristics	All	103	104	105	106	107	110	120	131	139	152
A. No. of Persons engaged(No)	7998	110	297	203	146	410	14	81	573	32	1109
1.Workers	5551	84	167	137	80	286	10	45	525	19	920
1.1. Directly Employed	5043	84	167	110	80	284	10	45	523	19	825
1.1.1 Men	4125	40	144	44	58	157	5	0	407	13	644
1.1.2 Women	918	44	23	67	22	126	5	45	116	6	181
1.2 Employed through contractors	508	0	0	26	0	3	0	0	2	0	96
2. Employees other than Workers	2166	23	127	65	58	119	2	27	47	13	189
2.1 Supervisory and Managerial	763	12	19	23	22	46	0	9	25	4	78
2.2 Other Employees	1403	12	108	42	36	73	2	18	22	9	111
3. Unpaid family members/proprietor etc	281	2	4	2	8	5	2	9	1	0	0
B. Total Mandays Employed (in '000)	2351	15	87	58	42	129	3	21	200	10	327
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	19785	57	869	371	376	928	6	31	1428	28	2123
1. Wages and Salaries including Bonus	17130	56	787	307	339	797	6	31	1162	24	1912
1.1 Wages and Salaries	16458	54	744	289	316	794	6	31	1113	24	1815
1.1.1 Workers	9197	44	211	151	132	477	5	10	880	13	1193
1.1.2 Supervisory & Managerial	4745	5	281	83	119	155	0	13	166	5	459
1.1.3 Other Employees	2515	6	252	54	65	162	1	8	67	6	163
1.2 Bonus to All Staff	673	1	44	18	23	3	0	0	49	0	97
2. Employers' Contribution	2655	2	82	63	37	131	0	0	266	4	211

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Malappuram	161	162	170	181	192	201	210	221	222	239
Characteristics										
A. No. of Persons engaged(No)	68	85	56	82	176	9	968	315	248	690
1.Workers	52	49	39	20	136	2	627	247	180	527
1.1. Directly Employed	52	49	39	20	22	2	627	247	124	527
1.1.1 Men	44	26	18	20	22	2	544	210	116	471
1.1.2 Women	8	23	21	0	0	0	83	37	8	56
1.2 Employed through contractors	0	0	0	0	114	0	0	0	56	0
2. Employees other than Workers	12	16	14	62	40	5	338	68	64	131
2.1 Supervisory and Managerial	12	3	8	12	9	1	80	28	23	68
2.2 Other Employees	0	13	6	50	31	4	258	41	41	63
3. Unpaid family members/proprietor etc	4	20	3	0	0	2	3	0	4	32
B. Total Mandays Employed (in '000)	19	13	14	27	53	2	328	98	72	201
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	56	49	54	416	984	10	3085	919	471	3002
1. Wages and Salaries including Bonus	55	48	48	355	856	9	2514	812	423	2702
1.1 Wages and Salaries	52	46	46	349	807	9	2386	771	399	2616
1.1.1 Workers	41	36	31	123	543	3	1590	411	253	988
1.1.2 Supervisory & Managerial	11	2	11	165	168	2	285	290	104	1540
1.1.3 Other Employees	0	9	4	61	96	4	511	71	42	87
1.2 Bonus to All Staff	3	1	2	5	50	1	128	40	24	86
2. Employers' Contribution	1	1	6	62	128	1	570	107	49	301

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Malappuram	259	261	271	273	303	310	321	352	452	454	581
Characteristics											
A. No. of Persons engaged(No)	48	119	28	16	14	276	10	10	1672	60	75
1.Workers	40	56	13	13	9	220	8	7	957	47	31
1.1. Directly Employed	40	56	13	13	9	220	8	0	753	47	31
1.1.1 Men	39	37	13	4	9	220	8	0	733	47	31
1.1.2 Women	1	19	0	9	0	0	0	0	20	0	0
1.2 Employed through contractors	0	0	0	0	0	0	0	7	204	0	0
2. Employees other than Workers	8	63	15	3	5	48	1	3	543	13	44
2.1 Supervisory and Managerial	3	31	6	2	3	24	1	3	203	6	1
2.2 Other Employees	5	32	9	1	2	24	0	0	340	7	43
3. Unpaid family members/proprietor etc	0	0	0	0	0	8	1	0	172	0	0
B. Total Mandays Employed (in '000)	8	35	9	5	4	82	3	3	439	18	27
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	38	404	137	35	38	325	12	48	3016	72	395
1. Wages and Salaries including Bonus	28	362	111	31	31	294	11	40	2569	67	344
1.1 Wages and Salaries	28	350	106	29	28	294	11	40	2496	64	343
1.1.1 Workers	20	124	38	23	11	231	10	13	1428	49	115
1.1.2 Supervisory & Managerial	6	157	44	5	15	43	2	27	569	9	5
1.1.3 Other Employees	2	69	25	2	3	21	0	0	499	6	223
1.2 Bonus to All Staff	0	11	4	2	2	0	0	0	73	3	0
2. Employers' Contribution	10	43	26	4	7	31	1	8	447	5	51

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Palakkad	All	102	103	104	105	106	107	108	110
Characteristics	All	102	103	104	105	106	107	108	110
A. No. of Persons engaged(No)	19573	12	13	189	291	753	1911	112	1460
1.Workers	14750	6	10	120	230	508	1782	83	1181
1.1. Directly Employed	11253	6	10	120	137	508	1755	66	530
1.1.1 Men	8048	6	4	109	84	367	822	64	305
1.1.2 Women	3205	0	6	12	53	141	933	2	225
1.2 Employed through contractors	3497	0	0	0	93	0	27	17	651
2. Employees other than Workers	4702	6	3	66	60	241	129	29	279
2.1 Supervisory and Managerial	2498	4	3	59	32	108	90	13	213
2.2 Other Employees	2204	2	0	7	28	134	39	16	67
3. Unpaid family members/proprietor etc	121	0	0	2	1	4	0	0	0
B. Total Mandays Employed (in '000)	5850	3	4	54	99	216	563	33	429
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	51923	41	16	754	1160	1408	3565	637	4376
1. Wages and Salaries including Bonus	43435	27	12	663	971	1280	3069	553	3413
1.1 Wages and Salaries	41318	26	12	644	927	1252	2910	545	3255
1.1.1 Workers	24552	8	8	332	585	711	2624	321	1799
1.1.2 Supervisory & Managerial	12313	12	4	304	245	322	223	140	1352
1.1.3 Other Employees	4453	5	0	8	97	218	63	83	104
1.2 Bonus to All Staff	2117	1	0	19	44	28	158	8	158
2. Employer's Contribution	8488	14	4	91	189	128	496	84	963

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Palakkad	131	139	141	143	161	162	170	181	192	201	202
Characteristics	131	139	141	143	161	162	170	181	192	201	202
A. No. of Persons engaged(No)	2106	1	75	353	362	219	172	86	183	245	192
1.Workers	1763	1	53	323	298	180	154	71	148	200	152
1.1. Directly Employed	980	1	53	323	298	180	145	67	52	200	152
1.1.1 Men	664	1	10	71	86	63	106	57	51	198	68
1.1.2 Women	316	0	43	252	211	117	38	10	1	2	84
1.2 Employed through contractors	783	0	0	0	0	0	9	4	96	0	0
2. Employees other than Workers	340	0	20	30	51	21	16	15	35	45	32
2.1 Supervisory and Managerial	189	0	8	16	35	18	13	8	15	18	20
2.2 Other Employees	151	0	13	14	16	3	2	7	20	27	12
3. Unpaid family members/proprietor etc	3	0	3	0	13	18	2	0	0	0	8
B. Total Mandays Employed (in '000)	723	0	17	46	77	53	57	25	55	73	40
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	5400	0	60	179	275	186	422	341	484	452	135
1. Wages and Salaries including Bonus	4794	0	55	151	257	171	361	306	470	379	123
1.1 Wages and Salaries	4633	0	53	151	237	162	335	302	458	358	116
1.1.1 Workers	3054	0	22	128	177	128	293	255	327	261	79
1.1.2 Supervisory & Managerial	1338	0	16	13	42	31	40	28	92	45	21
1.1.3 Other Employees	241	0	15	9	17	3	3	18	39	52	16
1.2 Bonus to All Staff	161	0	2	0	20	9	26	4	12	21	7
2. Employer's Contribution	606	0	5	28	18	15	61	36	14	73	12

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Palakkad	203	210	221	222	239	241	242	243
Characteristics	203	210	221	222	239	241	242	243
A. No. of Persons engaged(No)	8	649	1094	809	2530	1882	240	191
1.Workers	6	412	835	574	1962	1349	164	152
1.1. Directly Employed	6	337	664	574	1582	398	119	135
1.1.1 Men	6	160	611	458	1446	382	77	135
1.1.2 Women	0	177	53	116	136	16	42	0
1.2 Employed through contractors	0	75	171	0	380	950	45	18
2. Employees other than Workers	1	233	256	231	554	533	76	39
2.1 Supervisory and Managerial	1	60	127	72	292	208	15	18
2.2 Other Employees	0	173	129	159	263	325	61	21
3. Unpaid family members/proprietor etc	1	4	3	4	14	0	0	0
B. Total Mandays Employed (in '000)	2	194	336	235	820	558	86	56
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	11	1801	3846	1581	10382	2515	935	531
1. Wages and Salaries including Bonus	11	1380	2758	1410	8783	2188	757	447
1.1 Wages and Salaries	10	1241	2661	1325	8069	2106	725	439
1.1.1 Workers	8	700	1520	719	5006	1293	372	258
1.1.2 Supervisory & Managerial	2	271	775	282	1932	519	262	126
1.1.3 Other Employees	0	270	367	324	1132	295	91	54
1.2 Bonus to All Staff	1	139	96	85	713	81	32	8
2. Employer's Contribution	0	421	1089	172	1599	328	178	84

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Palakkad	251	259	261	263	265	266	271	272	273	279	281
Characteristics	251	259	261	263	265	266	271	272	273	279	281
A. No. of Persons engaged(No)	143	478	52	476	413	65	33	49	30	6	65
1.Workers	92	358	37	147	194	34	29	36	19	5	49
1.1. Directly Employed	92	347	37	118	81	9	29	36	19	5	49
1.1.1 Men	92	300	7	44	79	4	26	12	12	0	49
1.1.2 Women	0	47	30	74	2	5	3	24	7	5	0
1.2 Employed through contractors	0	11	0	29	113	25	0	0	0	0	0
2. Employees other than Workers	50	98	13	329	219	31	4	11	11	0	15
2.1 Supervisory and Managerial	11	49	10	308	157	31	3	6	6	0	5
2.2 Other Employees	39	50	3	21	62	0	1	5	5	0	10
3. Unpaid family members/proprietor etc	2	22	2	0	0	0	0	2	0	1	1
B. Total Mandays Employed (in '000)	42	134	15	139	123	19	5	13	9	1	16
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	375	917	58	2854	1932	320	49	67	91	3	425
1. Wages and Salaries including Bonus	330	744	51	2167	1561	290	41	59	82	3	408
1.1 Wages and Salaries	312	687	47	2147	1556	283	41	57	77	3	407
1.1.1 Workers	171	470	26	496	379	74	28	35	28	3	313
1.1.2 Supervisory & Managerial	31	129	19	1605	1028	209	9	14	43	0	30
1.1.3 Other Employees	110	88	2	45	149	0	3	9	5	0	64
1.2 Bonus to All Staff	18	57	4	20	5	7	1	2	5	0	0
2. Employer's Contribution	45	173	7	687	371	30	7	7	9	0	17

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Palakkad	282	310	325	329	382	452	454	829	829
Characteristics									
A. No. of Persons engaged(No)	35	80	212	14	7	1274	0	5	2
1.Workers	28	60	146	10	0	788	0	2	1
1.1. Directly Employed	28	60	146	10	0	788	0	2	1
1.1.1 Men	28	60	131	4	0	788	0	1	1
1.1.2 Women	0	0	15	6	0	0	0	1	0
1.2 Employed through contractors	0	0	0	0	0	0	0	0	0
2. Employees other than Workers	7	15	66	3	7	483	0	0	0
2.1 Supervisory and Managerial	3	13	36	3	0	206	0	0	0
2.2 Other Employees	4	3	30	0	7	277	0	0	0
3. Unpaid family members/proprietor etc	0	5	0	1	0	4	0	3	1
B. Total Mandays Employed (in '000)	10	22	60	4	2	381	0	0	0
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	122	145	737	10	20	2305	0	1	0
1. Wages and Salaries including Bonus	109	135	566	9	19	2075	0	1	0
1.1 Wages and Salaries	107	133	552	9	19	1932	0	1	0
1.1.1 Workers	73	110	210	6	0	1139	0	1	0
1.1.2 Supervisory & Managerial	14	21	291	3	0	430	0	0	0
1.1.3 Other Employees	19	2	51	0	19	363	0	0	0
1.2 Bonus to All Staff	2	2	14	0	0	143	0	0	0
2. Employer's Contribution	13	10	171	1	1	230	0	0	0

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Thrissur	All	102	103	104	105	106	107	108	110	120
Characteristics	All	102	103	104	105	106	107	108	110	120
A. No. of Persons engaged (No.)	22668	26	34	607	260	682	806	837	850	87
1. Workers	16079	6	18	375	204	284	519	649	666	85
1.1. Directly Employed	14300	6	18	124	204	252	519	415	295	85
1.1.1 Men	10068	3	0	109	114	249	250	412	161	0
1.1.2 Women	4232	3	18	15	90	3	269	3	134	85
1.2 Employed through contractors	1779	0	0	251	0	32	0	234	371	0
2. Employees other than Workers	6344	20	14	232	54	397	278	188	177	2
2.1 Supervisory and Managerial	2598	11	7	67	54	252	177	94	84	1
2.2 Other Employees	3747	9	7	165	0	145	101	94	93	1
3. Unpaid family members/proprietor etc	245	0	2	0	2	1	9	0	7	0
B. Total Mandays Employed (in '000)	6712	8	9	181	75	205	237	265	247	2
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	61358	124	39	1613	569	2123	1531	3613	2290	6
1. Wages and Salaries including Bonus	50689	108	35	1472	520	1872	1390	2842	1961	4
1.1 Wages and Salaries	47906	106	33	1365	504	1764	1329	2688	1818	4
1.1.1 Workers	31067	5	20	617	292	512	684	1878	1104	3
1.1.2 Supervisory & Managerial	10113	96	9	314	212	1010	402	499	504	0
1.1.3 Other Employees	6727	5	4	434	0	242	242	310	211	0
1.2 Bonus to All Staff	2783	2	2	107	17	108	61	154	143	1
2. Employer's Contribution	10669	17	4	141	49	251	141	771	329	1

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Thrissur	131	139	141	152	161	162	170	181	201	202
Characteristics	131	139	141	152	161	162	170	181	201	202
A. No. of Persons engaged (No.)	1402	82	132	181	39	303	276	640	34	164
1. Workers	1288	67	119	144	27	204	207	290	23	115
1.1. Directly Employed	1288	67	119	144	27	204	207	290	18	115
1.1.1 Men	809	13	7	63	27	156	105	210	17	49
1.1.2 Women	479	54	112	81	0	48	102	80	1	67
1.2 Employed through contractors	0	0	0	0	0	0	0	0	5	0
2. Employees other than Workers	114	13	12	36	9	93	66	350	9	46
2.1 Supervisory and Managerial	44	3	12	13	3	23	27	57	3	11
2.2 Other Employees	70	10	0	23	6	71	39	293	6	35
3. Unpaid family members/proprietor etc	0	2	1	1	3	6	3	0	2	3
B. Total Mandays Employed (in '000)	453	22	38	54	10	87	80	211	9	48
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	3598	72	194	310	37	482	373	1255	53	481
1. Wages and Salaries including Bonus	2811	66	175	254	37	433	336	1089	40	388
1.1 Wages and Salaries	2700	60	163	218	35	427	331	1064	37	373
1.1.1 Workers	2305	44	128	130	24	280	234	375	24	192
1.1.2 Supervisory & Managerial	232	4	35	43	4	42	53	182	7	124
1.1.3 Other Employees	164	12	0	45	7	105	44	508	6	57
1.2 Bonus to All Staff	111	5	12	36	2	6	4	25	3	15
2. Employer's Contribution	787	6	19	56	0	49	37	166	13	93

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Thrissur	210	221	222	239	241	242	243	251	259	261
Characteristics	210	221	222	239	241	242	243	251	259	261
A. No. of Persons engaged (No.)	2672	2568	1535	2574	63	92	23	108	629	39
1. Workers	1531	2206	1057	1806	44	56	16	86	394	24
1.1. Directly Employed	1297	1835	1054	1646	44	56	14	86	394	24
1.1.1 Men	597	1690	648	758	44	34	14	68	356	1
1.1.2 Women	700	145	406	888	0	22	0	18	38	23
1.2 Employed through contractors	234	371	4	160	0	0	2	0	0	0
2. Employees other than Workers	1130	355	457	659	16	28	6	18	221	14
2.1 Supervisory and Managerial	316	256	198	307	12	4	4	14	99	12
2.2 Other Employees	814	99	259	352	4	24	2	4	122	2
3. Unpaid family members/proprietor etc	11	7	22	109	4	8	1	4	14	1
B. Total Mandays Employed (in '000)	790	897	437	644	16	23	6	31	184	11
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	6398	15594	2621	3990	58	108	51	262	2342	113
1. Wages and Salaries including Bonus	5530	11988	2302	3495	57	93	45	242	1874	103
1.1 Wages and Salaries	5124	11192	2192	3263	57	91	45	238	1737	99
1.1.1 Workers	2327	9648	1430	2329	36	60	26	111	1102	31
1.1.2 Supervisory & Managerial	1450	1238	452	591	17	7	15	122	447	63
1.1.3 Other Employees	1347	305	310	343	4	24	4	5	188	5
1.2 Bonus to All Staff	406	797	110	231	0	2	0	4	136	4
2. Employer's Contribution	868	3605	319	495	1	15	6	20	469	9

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Thrissur	264	265	271	273	274	279	281	282	292	293	310	321
Characteristics	264	265	271	273	274	279	281	282	292	293	310	321
A. No. of Persons engaged (No.)	91	279	58	6	8	59	26	470	0	96	109	147
1. Workers	59	136	51	3	6	49	21	334	0	87	75	125
1.1. Directly Employed	59	76	47	3	6	49	21	334	0	87	75	125
1.1.1 Men	22	74	5	1	3	6	21	320	0	72	64	83
1.1.2 Women	37	2	42	2	3	43	0	14	0	15	11	42
1.2 Employed through contractors	0	60	4	0	0	0	0	0	0	0	0	0
2. Employees other than Workers	30	143	6	2	2	10	4	130	0	9	30	20
2.1 Supervisory and Managerial	12	45	4	0	1	4	3	55	0	6	19	11
2.2 Other Employees	18	98	2	2	1	6	1	75	0	3	11	9
3. Unpaid family members/proprietor etc	2	0	1	1	0	0	1	7	0	0	4	3
B. Total Mandays Employed (in '000)	26	84	17	1	2	18	9	140	0	29	30	43
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	160	1950	106	8	3	109	69	970	0	271	125	268
1. Wages and Salaries including Bonus	131	1734	91	7	3	96	59	884	0	232	124	248
1.1 Wages and Salaries	124	1704	85	7	3	88	55	845	0	213	124	246
1.1.1 Workers	65	382	67	3	3	65	34	424	0	171	87	187
1.1.2 Supervisory & Managerial	31	664	14	0	0	11	18	180	0	36	29	22
1.1.3 Other Employees	27	659	4	4	1	13	4	241	0	5	8	37
1.2 Bonus to All Staff	7	30	6	0	0	7	4	39	0	19	0	2
2. Employer's Contribution	29	216	15	1	0	14	10	85	0	39	1	20

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Thrissur	325	329	331	352	452
Characteristics	325	329	331	352	452
A. No. of Persons engaged (No.)	116	158	8	6	3242
1. Workers	76	89	4	5	2421
1.1. Directly Employed	44	89	4	0	2407
1.1.1 Men	33	59	2	0	2315
1.1.2 Women	11	30	2	0	92
1.2 Employed through contractors	32	0	0	5	14
2. Employees other than Workers	38	68	3	1	822
2.1 Supervisory and Managerial	15	26	1	1	224
2.2 Other Employees	23	41	2	0	598
3. Unpaid family members/proprietor etc	2	1	1	0	0
B. Total Mandays Employed (in '000)	34	47	2	2	938
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	266	356	6	29	6287
1. Wages and Salaries including Bonus	239	305	6	29	4872
1.1 Wages and Salaries	228	289	5	29	4737
1.1.1 Workers	94	132	3	17	3338
1.1.2 Supervisory & Managerial	101	67	1	11	738
1.1.3 Other Employees	33	91	2	0	661
1.2 Bonus to All Staff	11	15	0	0	135
2. Employer's Contribution	27	51	0	1	1415

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Ernakulam	All	101	102	103	104	105	106	107	108
Characteristics	All	101	102	103	104	105	106	107	108
A. No. of Persons engaged (No.)	86946	86	2737	277	272	992	994	5544	173
1. Workers	63829	69	2028	183	161	680	666	3796	115
1.1. Directly Employed	46405	53	1539	183	161	575	615	3597	115
1.1.1 Men	33314	31	434	20	109	172	501	2593	115
1.1.2 Women	13091	22	1105	163	52	403	114	1004	0
1.2 Employed through contractors	17424	16	489	0	0	105	51	199	0
2. Employees other than Workers	22766	17	704	83	112	312	315	1736	57
2.1 Supervisory and Managerial	11180	13	356	23	68	123	168	837	8
2.2 Other Employees	11586	4	348	60	44	190	147	899	49
3. Unpaid family members/proprietor etc	352	0	5	10	0	0	14	12	1
B. Total Mandays Employed (in '000)	26774	24	792	72	79	319	299	1753	52
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	304643	386	6106	367	2925	3774	2138	19104	441
1. Wages and Salaries including Bonus	257428	327	5340	344	2849	3086	1790	14965	321
1.1 Wages and Salaries	247171	315	5197	343	2772	2973	1775	13959	321
1.1.1 Workers	140284	231	3104	147	402	1122	809	6274	153
1.1.2 Supervisory & Managerial	74339	78	1486	39	699	1221	588	5616	118
1.1.3 Other Employees	32548	5	607	157	1672	629	378	2068	50
1.2 Bonus to All Staff	10258	12	143	1	77	113	15	1006	0
2. Employer's Contribution	47215	60	766	23	76	688	348	4139	121

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Ernakulam	110	131	139	141	151	152	161	162	170
Characteristics									
A. No. of Persons engaged (No.)	308	1606	780	5358	499	84	226	3359	1872
1.Workers	189	1299	537	4754	461	61	193	2467	1511
1.1. Directly Employed	103	1299	537	4754	442	61	193	2276	1245
1.1.1 Men	37	970	254	1831	227	61	95	2045	935
1.1.2 Women	67	329	283	2923	215	0	99	231	310
1.2 Employed through contractors	86	0	0	0	19	0	0	191	266
2. Employees other than Workers	112	271	243	603	38	20	25	727	354
2.1 Supervisory and Managerial	43	159	75	241	15	9	25	427	167
2.2 Other Employees	69	112	168	362	23	11	0	301	188
3. Unpaid family members/proprietor etc	7	36	0	1	0	3	8	165	7
B. Total Mandays Employed (in '000)	91	466	231	1645	150	25	58	880	385
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	427	5930	1989	10567	940	188	201	3970	2628
1. Wages and Salaries including Bonus	374	5226	1787	8739	792	164	187	3446	2205
1.1 Wages and Salaries	366	5019	1657	7581	662	155	179	3311	2128
1.1.1 Workers	227	3795	616	5561	564	111	142	1991	1350
1.1.2 Supervisory & Managerial	56	969	395	1150	86	25	37	711	435
1.1.3 Other Employees	82	254	647	870	12	19	0	609	343
1.2 Bonus to All Staff	8	208	130	1157	129	9	8	135	77
2. Employer's Contribution	52	703	202	1828	148	24	14	524	423

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Ernakulam	181	191	192	201	202	210	221	222
Characteristics								
A. No. of Persons engaged (No.)	1281	232	12569	3926	2813	2448	3193	1177
1. Workers	930	129	11549	2452	1342	865	2455	858
1.1. Directly Employed	930	91	1478	1735	1159	811	2250	858
1.1.1 Men	770	88	1475	1727	972	449	1852	737
1.1.2 Women	160	3	3	8	187	362	398	121
1.2 Employed through contractors	0	38	10071	717	183	54	205	0
2. Employees other than Workers	350	103	1020	1467	1470	1580	735	309
2.1 Supervisory and Managerial	232	77	661	1017	719	487	367	208
2.2 Other Employees	118	26	359	449	751	1093	368	101
3. Unpaid family members/proprietor etc	1	0	0	7	2	3	4	11
B. Total Mandays Employed (in '000)	397	79	4526	1334	862	745	988	358
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	7086	1444	52355	32253	13331	8886	10057	3368
1. Wages and Salaries including Bonus	5997	1122	44123	25323	11262	6890	8879	3022
1.1 Wages and Salaries	5901	1066	43849	24891	10639	6457	8468	2835
1.1.1 Workers	3013	476	30543	13199	3342	1637	5996	1523
1.1.2 Supervisory & Managerial	2324	518	7717	8541	5226	2633	1677	1041
1.1.3 Other Employees	565	71	5589	3150	2070	2187	795	272
1.2 Bonus to All Staff	96	56	274	432	623	433	410	186
2. Employer's Contribution	1089	322	8231	6930	2069	1996	1178	346

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Ernakulam	231	239	241	242	243	251	259	261	265
Characteristics									
A. No. of Persons engaged (No.)	257	1906	259	208	408	1050	1556	10692	57
1.Workers	196	1338	195	183	295	850	1144	6633	29
1.1. Directly Employed	125	1305	195	183	295	637	1107	5948	29
1.1.1 Men	109	887	192	183	273	547	847	4453	23
1.1.2 Women	16	417	3	0	23	90	260	1495	6
1.2 Employed through contractors	71	33	0	0	0	213	37	685	0
2. Employees other than Workers	58	565	64	25	113	193	408	4057	28
2.1 Supervisory and Managerial	18	270	40	19	48	148	159	1823	11
2.2 Other Employees	40	295	24	6	65	45	249	2234	17
3. Unpaid family members/proprietor etc	3	3	0	0	0	7	4	3	0
B. Total Mandays Employed (in '000)	76	597	77	62	123	328	464	3218	17
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	513	5891	805	442	1176	3528	3186	28302	131
1. Wages and Salaries including Bonus	480	4852	778	383	1102	3093	2797	25433	119
1.1 Wages and Salaries	477	4755	773	381	1067	2925	2756	24615	112
1.1.1 Workers	332	2437	526	298	593	1940	1892	14633	50
1.1.2 Supervisory & Managerial	92	1510	211	71	391	946	551	8105	32
1.1.3 Other Employees	53	808	35	11	83	39	313	1877	31
1.2 Bonus to All Staff	3	97	5	2	35	168	41	818	6
2. Employer's Contribution	33	1039	27	59	74	435	389	2869	13

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Ernakulam	266	271	273	274	275	279	281	282	292	301
Characteristics	266	271	273	274	275	279	281	282	292	301
A. No. of Persons engaged (No.)	13	2131	593	282	30	130	79	1131	21	4100
1. Workers	11	1567	488	164	23	81	59	690	15	3616
1.1. Directly Employed	11	1544	483	164	23	81	59	472	15	958
1.1.1 Men	10	1133	440	111	21	38	55	441	15	940
1.1.2 Women	1	411	43	53	2	43	4	32	0	18
1.2 Employed through contractors	0	23	5	0	0	0	0	218	0	2658
2. Employees other than Workers	2	564	105	117	5	47	20	440	5	482
2.1 Supervisory and Managerial	1	364	58	65	3	35	14	217	4	346
2.2 Other Employees	1	200	47	52	2	12	6	224	1	136
3. Unpaid family members/proprietor etc	0	0	0	1	2	2	0	1	1	2
B. Total Mandays Employed (in '000)	4	639	179	83	9	38	23	320	6	1144
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	56	11128	2288	921	65	626	235	6334	42	24974
1. Wages and Salaries including Bonus	52	9167	1844	772	63	533	213	4883	39	22455
1.1 Wages and Salaries	50	8862	1806	765	62	475	201	4784	39	20822
1.1.1 Workers	44	4532	1397	365	46	125	125	2230	31	11335
1.1.2 Supervisory & Managerial	5	3727	360	274	13	322	62	2009	7	8398
1.1.3 Other Employees	2	603	49	127	3	28	14	545	1	1089
1.2 Bonus to All Staff	2	306	39	6	1	58	12	99	0	1632
2. Employer's Contribution	4	1961	443	150	2	93	22	1451	3	2519

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Ernakulam	310	321	322	325	331	332	351	382	452	454
Characteristics	310	321	322	325	331	332	351	382	452	454
A. No. of Persons engaged (No.)	484	240	16	1789	2	375	67	29	5743	235
1. Workers	341	208	13	1265	0	277	27	8	4002	150
1.1. Directly Employed	341	36	13	1020	0	266	4	0	3710	150
1.1.1 Men	260	28	2	323	0	102	4	0	3110	121
1.1.2 Women	81	8	11	698	0	165	0	0	600	29
1.2 Employed through contractors	0	172	0	245	0	11	23	8	292	0
2. Employees other than Workers	143	29	3	520	2	91	40	21	1728	84
2.1 Supervisory and Managerial	40	11	2	231	0	28	34	4	571	62
2.2 Other Employees	103	18	1	290	2	63	6	17	1158	22
3. Unpaid family members/proprietor etc	0	3	0	4	0	7	0	0	13	0
B. Total Mandays Employed (in '000)	146	80	5	536	0	108	24	9	1700	70
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	1439	374	29	3747	0	707	1141	112	14383	512
1. Wages and Salaries including Bonus	1211	346	27	3296	0	650	632	109	12523	417
1.1 Wages and Salaries	1190	335	23	3114	0	601	632	109	11634	396
1.1.1 Workers	733	254	16	1716	0	357	105	10	7166	227
1.1.2 Supervisory & Managerial	215	52	6	867	0	56	503	44	1874	141
1.1.3 Other Employees	242	29	2	531	0	189	23	55	2594	28
1.2 Bonus to All Staff	21	11	4	182	0	49	0	0	889	21
2. Employer's Contribution	227	28	3	451	0	57	509	4	1861	95

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District: Ernakulam					
Characteristics	521	952	960	952	960
A. No. of Persons engaged (No.)	73	50	140	74	144
1. Workers	53	43	119	61	123
1.1. Directly Employed	36	19	119	17	123
1.1.1 Men	31	19	100	17	97
1.1.2 Women	5	0	19	0	26
1.2 Employed through contractors	16	24	0	44	0
2. Employees other than Workers	19	7	21	13	21
2.1 Supervisory and Managerial	11	2	19	2	17
2.2 Other Employees	8	5	2	11	4
3. Unpaid family members/proprietor etc	1	0	0	0	0
B. Total Mandays Employed (in '000)	22	15	44	23	44
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	290	126	280	164	207
1. Wages and Salaries including Bonus	214	124	262	159	197
1.1 Wages and Salaries	205	124	261	159	197
1.1.1 Workers	137	107	193	139	159
1.1.2 Supervisory & Managerial	37	7	64	5	33
1.1.3 Other Employees	31	10	4	15	5
1.2 Bonus to All Staff	10	0	1	0	0
2. Employer's Contribution	76	3	18	5	10

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Idukki	All	101	105	107	110	131	152	161	162	181	201
Characteristics	All	101	105	107	110	131	152	161	162	181	201
A. No. of Persons engaged(No.)	6995	5	44	4640	28	109	142	25	73	0	17
1.Workers	4943	4	20	3364	17	89	64	19	61	0	8
1.1. Directly Employed	4588	4	20	3298	17	76	64	19	43	0	8
1.1.1 Men	2873	3	11	1945	11	42	53	5	24	0	8
1.1.2 Women	1715	1	9	1352	6	34	11	14	19	0	0
1.2 Employed through contractors	355	0	0	67	0	13	0	0	18	0	0
2. Employees other than Workers	2005	1	24	1260	11	20	78	4	12	0	8
2.1 Supervisory and Managerial	884	1	1	505	5	7	17	2	4	0	8
2.2 Other Employees	1121	0	23	754	6	13	61	2	8	0	0
3. Unpaid family members/proprietor etc	47	0	0	15	0	0	0	2	0	0	1
B. Total Mandays Employed (in '000)	2100	2	16	1398	8	32	43	4	21	0	3
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	16021	5	151	10701	36	168	249	14	65	0	21
1. Wages and Salaries including Bonus	13463	5	121	8783	34	150	232	14	60	0	21
1.1 Wages and Salaries	12630	5	118	8154	32	150	228	14	60	0	21
1.1.1 Workers	6481	4	47	4037	10	82	105	9	53	0	6
1.1.2 Supervisory & Managerial	3800	1	5	2611	11	50	56	3	3	0	15
1.1.3 Other Employees	2349	0	66	1506	12	18	66	3	4	0	0
1.2 Bonus to All Staff	832	0	3	628	1	0	5	0	0	0	0
2. Employer's Contribution	2558	0	29	1919	3	18	16	1	5	0	0

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Idukki	202	210	221	222	239	271	273	282	310	351	452	454
Characteristics	202	210	221	222	239	271	273	282	310	351	452	454
A. No. of Persons engaged(No.)	17	511	298	31	347	168	11	35	265	89	126	15
1.Workers	8	297	249	18	308	71	6	26	174	60	74	6
1.1. Directly Employed	7	297	249	18	107	19	6	26	174	57	74	6
1.1.1 Men	7	166	165	15	99	6	6	26	149	57	69	6
1.1.2 Women	0	131	84	3	9	13	0	0	25	0	4	0
1.2 Employed through contractors	1	0	0	0	201	52	0	0	0	3	0	0
2. Employees other than Workers	9	214	42	12	33	97	5	9	89	29	39	9
2.1 Supervisory and Managerial	9	80	32	3	31	96	3	5	39	18	13	5
2.2 Other Employees	0	134	11	9	2	1	2	4	50	11	26	4
3. Unpaid family members/proprietor etc	0	0	7	1	5	0	0	0	2	0	13	0
B. Total Mandays Employed (in '000)	6	155	90	8	105	51	3	10	79	29	34	4
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	72	1521	565	67	800	418	21	78	642	270	132	23
1. Wages and Salaries including Bonus	63	1326	511	59	767	334	19	63	515	244	124	19
1.1 Wages and Salaries	63	1214	477	50	755	318	19	59	515	238	120	19
1.1.1 Workers	11	591	387	24	637	83	9	38	162	92	86	8
1.1.2 Supervisory & Managerial	53	358	71	5	101	232	8	14	62	119	16	7
1.1.3 Other Employees	0	266	19	21	18	3	2	6	291	27	18	4
1.2 Bonus to All Staff	0	111	34	8	12	15	0	4	0	5	4	0
2. Employer's Contribution	9	196	54	8	33	84	2	15	127	27	9	4

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Kottayam

Characteristics	All	102	103	104	105	106	107	108	110	131
A. No. of Persons engaged(No)	18190	95	29	48	263	261	575	117	26	411
1. Workers	12322	67	19	31	179	174	412	82	21	360
1.1. Directly Employed	10158	67	19	31	145	171	412	82	0	360
1.1.1 Men	8333	67	3	25	91	90	166	82	0	215
1.1.2 Women	1825	0	16	6	54	81	246	0	0	145
1.2 Employed through contractors	2163	0	0	0	34	3	0	0	21	0
2. Employees other than Workers	5768	28	9	17	85	87	163	33	5	50
2.1 Supervisory and Managerial	2190	19	8	4	36	21	49	11	2	26
2.2 Other Employees	3578	9	1	13	49	66	114	22	3	24
3. Unpaid family members/proprietor etc	100	0	1	0	0	0	0	2	0	1
B. Total Mandays Employed (in '000)	5703	28	8	14	86	79	173	35	8	103
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	76070	228	48	85	1011	517	1142	646	40	769
1. Wages and Salaries including Bonus	65953	216	40	83	876	467	976	521	40	648
1.1 Wages and Salaries	63396	212	40	79	869	466	915	467	40	626
1.1.1 Workers	32173	126	12	47	456	259	507	289	31	494
1.1.2 Supervisory & Managerial	16552	69	27	13	236	61	191	104	5	83
1.1.3 Other Employees	14671	17	1	19	177	146	216	74	4	49
1.2 Bonus to All Staff	2556	4	0	3	7	1	61	54	0	23
2. Employers' Contribution	10118	12	8	2	135	50	166	125	0	121

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Kottayam

Characteristics	139	141	152	161	162	170	181	192	201	202
A. No. of Persons engaged(No)	91	49	1357	198	364	927	2975	56	246	52
1.Workers	65	44	1122	146	263	747	1265	26	138	35
1.1. Directly Employed	65	44	963	137	219	284	1186	26	32	20
1.1.1 Men	18	23	652	72	89	250	1055	26	21	16
1.1.2 Women	47	21	311	65	130	34	131	0	11	4
1.2 Employed through contractors	0	0	159	10	44	463	79	0	107	15
2. Employees other than Workers	26	5	207	42	98	178	1706	30	107	17
2.1 Supervisory and Managerial	14	3	64	26	54	109	502	14	44	7
2.2 Other Employees	12	2	144	16	44	69	1204	16	63	10
3. Unpaid family members/proprietor etc	0	0	28	10	3	2	4	0	2	0
B. Total Mandays Employed (in '000)	26	15	358	47	105	327	1023	17	72	16
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	140	84	2527	267	693	8093	24813	143	528	155
1. Wages and Salaries including Bonus	121	83	2270	224	628	7128	20775	135	461	120
1.1 Wages and Salaries	114	83	2147	213	609	7085	20009	131	417	117
1.1.1 Workers	64	72	1463	141	357	4331	5523	33	216	68
1.1.2 Supervisory & Managerial	33	6	170	45	130	1667	6662	58	100	24
1.1.3 Other Employees	17	5	515	27	122	1087	7824	40	101	25
1.2 Bonus to All Staff	7	0	123	11	19	43	767	4	44	4
2. Employers' Contribution	19	1	257	43	65	965	4038	8	67	35

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Kottayam

Characteristics	210	221	222	239	241	243	251	259	271	272	273
A. No. of Persons engaged(No)	540	4419	560	1224	3	57	11	1	88	23	14
1.Workers	327	3430	383	904	0	42	9	0	73	18	9
1.1. Directly Employed	327	2861	383	387	0	42	9	0	73	18	9
1.1.1 Men	171	2681	366	377	0	38	9	0	30	14	4
1.1.2 Women	156	181	17	10	0	4	0	0	43	4	5
1.2 Employed through contractors	0	568	0	517	0	0	0	0	0	0	0
2. Employees other than Workers	213	969	177	308	2	15	2	0	14	4	5
2.1 Supervisory and Managerial	83	533	39	92	0	5	2	0	5	2	3
2.2 Other Employees	131	437	138	216	2	10	0	0	9	2	2
3. Unpaid family members/proprietor etc	0	19	0	11	1	0	0	1	1	1	0
B. Total Mandays Employed (in '000)	164	1459	170	367	0	17	3	0	25	6	4
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	1187	18729	1236	4050	2	185	25	0	212	21	15
1. Wages and Salaries including Bonus	1072	16491	1061	3600	2	175	21	0	192	19	15
1.1 Wages and Salaries	1051	15637	946	3521	2	171	19	0	188	19	15
1.1.1 Workers	471	10489	619	2093	0	96	16	0	148	16	4
1.1.2 Supervisory & Managerial	298	3896	134	708	0	58	3	0	21	2	8
1.1.3 Other Employees	282	1253	194	720	2	16	0	0	19	1	2
1.2 Bonus to All Staff	20	854	114	79	0	4	2	0	4	0	0
2. Employers' Contribution	115	2238	176	450	1	10	4	0	20	2	1

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Kottayam

Characteristics	281	282	292	293	310	452	581	960
A. No. of Persons engaged(No)	15	77	190	9	277	2232	305	7
1. Workers	13	57	158	7	225	1434	31	6
1.1. Directly Employed	13	57	147	7	224	1303	31	6
1.1.1 Men	13	51	147	7	192	1242	31	1
1.1.2 Women	0	6	0	0	32	61	0	5
1.2 Employed through contractors	0	0	11	0	1	131	0	0
2. Employees other than Workers	1	18	32	1	49	790	274	1
2.1 Supervisory and Managerial	0	11	21	1	26	322	35	1
2.2 Other Employees	1	8	11	0	23	469	239	0
3. Unpaid family members/proprietor etc	1	2	0	1	3	7	0	0
B. Total Mandays Employed (in '000)	4	22	57	2	80	672	109	1
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	29	131	632	15	912	5347	1406	7
1. Wages and Salaries including Bonus	24	115	551	13	817	4694	1274	7
1.1 Wages and Salaries	17	102	551	10	794	4434	1274	7
1.1.1 Workers	16	69	307	9	470	2731	121	6
1.1.2 Supervisory & Managerial	0	18	71	1	268	961	420	1
1.1.3 Other Employees	1	15	172	0	56	742	734	0
1.2 Bonus to All Staff	7	13	0	3	22	260	0	0
2. Employers' Contribution	4	16	81	2	96	652	131	1

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Alappuzha	All	102	103	104	105	106	107	108	110	131
Characteristics	All	102	103	104	105	106	107	108	110	131
A. No. of Persons engaged(No)	30016	6975	30	8	288	58	7116	322	307	1095
1.Workers	25446	5863	23	4	250	40	6744	257	243	965
1.1. Directly Employed	24742	5562	23	4	250	40	6744	257	243	965
1.1.1 Men	11556	1397	2	4	157	30	997	177	198	486
1.1.2 Women	13186	4165	21	0	93	9	5747	80	45	479
1.2 Employed through contractors	705	301	0	0	0	0	0	0	0	0
2. Employees other than Workers	4349	1089	7	2	36	19	344	65	63	129
2.1 Supervisory and Managerial	1470	366	2	1	16	7	158	14	14	47
2.2 Other Employees	2879	723	5	1	20	12	186	51	49	82
3. Unpaid family members/proprietor etc	220	22	0	2	2	0	29	0	1	1
B. Total Mandays Employed (in '000)	8479	2060	8	1	93	16	1838	96	91	290
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	55581	14503	51	5	931	86	9673	708	638	1440
1. Wages and Salaries including Bonus	48161	12380	47	4	814	60	8690	597	565	1281
1.1 Wages and Salaries	44802	11725	47	4	800	60	8000	590	548	1135
1.1.1 Workers	30034	6899	17	3	602	39	6177	392	372	843
1.1.2 Supervisory & Managerial	7658	2223	26	1	125	9	929	64	63	141
1.1.3 Other Employees	7109	2603	4	0	73	12	894	134	113	151
1.2 Bonus to All Staff	3360	655	0	0	14	0	690	7	17	147
2. Employer's Contribution	7420	2123	3	1	116	26	983	111	72	159

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Alappuzha	139	141	152	161	162	170	181	192	201	202	210	221
Characteristics												
A. No. of Persons engaged(No)	7357	82	19	92	46	317	9	14	38	162	816	678
1.Workers	6096	78	15	72	36	272	5	10	22	98	647	478
1.1. Directly Employed	5834	78	15	72	36	272	5	10	22	98	647	478
1.1.1 Men	4673	0	10	4	23	105	3	10	22	98	305	396
1.1.2 Women	1162	78	5	68	14	168	2	0	0	0	342	82
1.2 Employed through contractors	262	0	0	0	0	0	0	0	0	0	0	0
2. Employees other than Workers	1228	4	4	8	10	35	0	4	15	62	164	190
2.1 Supervisory and Managerial	402	2	1	8	6	22	0	2	6	4	48	60
2.2 Other Employees	826	2	3	0	4	13	0	2	9	58	116	130
3. Unpaid family members/proprietor etc	32	0	0	12	0	10	4	0	1	2	6	10
B. Total Mandays Employed (in '000)	2157	23	5	15	13	91	1	4	11	48	231	198
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	12665	97	30	25	68	377	5	25	78	635	1758	1694
1. Wages and Salaries including Bonus	10653	80	27	24	63	328	4	24	66	539	1471	1443
1.1 Wages and Salaries	9556	74	24	22	60	312	4	23	64	522	1371	1328
1.1.1 Workers	7253	68	19	19	41	252	4	11	29	278	970	623
1.1.2 Supervisory & Managerial	1043	5	2	3	13	50	0	9	19	3	183	377
1.1.3 Other Employees	1261	2	3	0	6	11	0	2	16	242	218	328
1.2 Bonus to All Staff	1097	5	2	2	3	16	0	2	2	17	101	115
2. Employer's Contribution	2012	18	3	1	4	49	0	0	12	96	286	250

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Alappuzha									
Characteristics	222	239	241	242	243	251	259	265	271
A. No. of Persons engaged(No)	146	218	0	21	374	224	93	489	290
1.Workers	120	142	0	14	296	171	65	410	245
1.1. Directly Employed	120	142	0	14	259	171	65	410	245
1.1.1 Men	58	138	0	14	258	159	57	248	157
1.1.2 Women	62	4	0	0	1	12	8	162	88
1.2 Employed through contractors	0	0	0	0	37	0	0	0	0
2. Employees other than Workers	24	21	0	5	78	52	27	79	44
2.1 Supervisory and Managerial	14	8	0	1	32	15	11	21	20
2.2 Other Employees	10	13	0	4	46	37	17	58	24
3. Unpaid family members/proprietor etc	2	54	0	2	0	2	2	0	1
B. Total Mandays Employed (in '000)	42	40	0	4	97	66	27	147	84
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	283	150	0	17	2391	595	160	1175	550
1. Wages and Salaries including Bonus	238	148	0	13	2256	500	134	989	413
1.1 Wages and Salaries	236	148	0	13	2131	481	126	904	364
1.1.1 Workers	170	125	0	9	459	307	86	672	247
1.1.2 Supervisory & Managerial	45	10	0	1	1526	92	17	97	63
1.1.3 Other Employees	22	12	0	2	145	83	23	134	54
1.2 Bonus to All Staff	2	1	0	0	125	18	8	85	49
2. Employer's Contribution	46	2	0	4	135	95	26	185	137

**Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid
in factory sector by 3-digit NIC 2008**

District:Alappuzha													
Characteristics	282	301	309	310	329	331	332	353	452	454	521	829	
A. No. of Persons engaged(No)	277	110	1	31	453	16	21	13	964	182	227	37	
1.Workers	235	87	0	21	296	8	17	11	743	121	197	29	
1.1. Directly Employed	235	76	0	21	296	8	17	11	743	121	103	29	
1.1.1 Men	235	61	0	21	121	8	16	11	708	116	58	15	
1.1.2 Women	0	15	0	0	175	0	1	0	35	5	45	14	
1.2 Employed through contractors	0	11	0	0	0	0	0	0	0	0	93	0	
2. Employees other than Workers	40	22	0	10	156	8	4	1	207	58	30	8	
2.1 Supervisory and Managerial	18	8	0	4	11	1	1	1	62	31	23	3	
2.2 Other Employees	22	14	0	6	145	7	3	0	145	27	7	5	
3. Unpaid family members/proprietor etc	2	1	1	0	2	0	0	1	15	3	0	0	
B. Total Mandays Employed (in '000)	81	32	0	9	134	4	6	4	281	53	66	11	
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	661	227	0	46	997	29	33	19	1894	289	491	85	
1. Wages and Salaries including Bonus	561	204	0	41	985	26	25	18	1672	260	444	73	
1.1 Wages and Salaries	511	186	0	39	976	26	25	18	1590	251	440	69	
1.1.1 Workers	417	112	0	21	773	11	16	12	1126	151	361	49	
1.1.2 Supervisory & Managerial	65	38	0	9	29	4	4	6	223	62	71	9	
1.1.3 Other Employees	28	36	0	10	174	11	4	0	241	39	8	11	
1.2 Bonus to All Staff	50	18	0	2	8	0	0	0	82	9	4	4	
2. Employer's Contribution	100	23	0	5	12	3	9	1	222	29	48	12	

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Pathanamthitta	All	104	105	106	107	110	139	152	161	162
Characteristics	All	104	105	106	107	110	139	152	161	162
A. No. of Persons engaged(No.)	9133	26	305	37	2580	61	63	33	987	110
1.Workers	7319	16	247	32	2324	37	44	27	865	66
1.1. Directly Employed	7198	13	230	32	2324	37	44	27	865	66
1.1.1 Men	4560	10	150	18	419	23	44	10	403	59
1.1.2 Women	2638	3	80	14	1906	14	0	17	462	8
1.2 Employed through contractors	121	3	17	0	0	0	0	0	0	0
2. Employees other than Workers	1707	8	55	4	237	22	18	4	119	26
2.1 Supervisory and Managerial	1026	4	23	2	110	3	7	2	119	15
2.2 Other Employees	681	4	32	2	127	19	11	2	0	11
3. Unpaid family members/proprietor etc	108	2	3	1	20	2	1	2	4	18
B. Total Mandays Employed (in '000)	2543	6	102	10	633	17	16	8	293	26
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	19111	31	864	49	3408	295	115	31	862	119
1. Wages and Salaries including Bonus	17508	29	760	44	2958	269	109	29	862	113
1.1 Wages and Salaries	16501	28	750	42	2662	227	93	27	861	112
1.1.1 Workers	9905	16	512	23	1877	83	53	21	648	72
1.1.2 Supervisory & Managerial	5211	9	135	16	579	31	29	4	213	30
1.1.3 Other Employees	1385	3	102	3	206	113	10	2	0	10
1.2 Bonus to All Staff	1006	1	10	2	296	42	16	2	1	1
2. Employer's Contribution	1603	2	105	5	450	26	6	2	0	6

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Pathanamthitta	181	201	202	210	221	222	239	251	259	274	310	325
Characteristics	181	201	202	210	221	222	239	251	259	274	310	325
A. No. of Persons engaged(No.)	12	22	1	25	189	37	3079	68	16	18	11	27
1.Workers	8	10	0	16	152	22	2411	51	11	12	6	23
1.1. Directly Employed	8	10	0	16	147	22	2407	51	11	12	6	23
1.1.1 Men	3	8	0	6	143	20	2401	29	11	12	6	1
1.1.2 Women	5	2	0	10	4	2	6	22	0	0	0	22
1.2 Employed through contractors	0	0	0	0	4	0	4	0	0	0	0	0
2. Employees other than Workers	3	11	0	8	33	12	644	17	2	5	5	3
2.1 Supervisory and Managerial	1	4	0	2	16	6	395	4	1	1	2	2
2.2 Other Employees	2	7	0	6	17	6	249	13	1	4	3	1
3. Unpaid family members/proprietor etc	1	1	1	1	4	3	24	0	3	1	0	1
B. Total Mandays Employed (in '000)	3	6	0	7	46	10	896	20	4	5	3	8
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	15	29	0	49	366	47	9652	142	22	45	38	32
1. Wages and Salaries including Bonus	12	29	0	47	309	47	9099	127	18	42	37	30
1.1 Wages and Salaries	12	29	0	44	300	47	8662	122	17	39	36	28
1.1.1 Workers	7	14	0	24	214	20	4923	70	14	10	16	20
1.1.2 Supervisory & Managerial	3	7	0	6	57	18	3153	37	2	26	8	6
1.1.3 Other Employees	3	8	0	14	29	9	585	15	1	3	12	2
1.2 Bonus to All Staff	0	0	0	2	9	0	438	5	1	3	0	2
2. Employer's Contribution	3	0	0	2	57	0	553	14	3	3	1	3

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Pathanamthitta	351	452	454	960
Characteristics				
A. No. of Persons engaged(No.)	50	1289	62	26
1. Workers	39	849	32	20
1.1. Directly Employed	29	766	32	20
1.1.1 Men	28	720	32	6
1.1.2 Women	1	47	0	14
1.2 Employed through contractors	10	82	0	0
2. Employees other than Workers	11	426	29	6
2.1 Supervisory and Managerial	2	289	16	1
2.2 Other Employees	9	138	13	5
3. Unpaid family members/proprietor etc	0	14	1	0
B. Total Mandays Employed (in '000)	18	381	18	7
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	172	2609	88	32
1. Wages and Salaries including Bonus	147	2284	76	31
1.1 Wages and Salaries	137	2124	71	31
1.1.1 Workers	81	1127	35	23
1.1.2 Supervisory & Managerial	13	807	21	2
1.1.3 Other Employees	42	191	16	6
1.2 Bonus to All Staff	10	160	5	0
2. Employer's Contribution	24	325	12	1

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Kollam	All	102	103	104	105	106	107	110	131
Characteristics	All	102	103	104	105	106	107	110	131
A. No. of Persons engaged(No)	55379	1007	16	491	475	25	43798	40	599
1.Workers	50398	838	14	382	360	16	40956	28	507
1.1. Directly Employed	50133	801	12	371	302	16	40953	28	507
1.1.1 Men	9182	339	4	246	235	16	1868	16	442
1.1.2 Women	40951	462	8	125	67	0	39084	12	65
1.2 Employed through contractors	265	37	2	11	58	0	3	0	0
2. Employees other than Workers	4544	165	2	108	115	9	2627	11	91
2.1 Supervisory and Managerial	1759	66	1	49	41	2	827	4	28
2.2 Other Employees	2786	99	1	59	74	7	1800	7	63
3. Unpaid family members/proprietor etc	437	4	0	1	0	0	216	1	1
B. Total Mandays Employed (in '000)	13033	313	4	147	168	7	9620	8	131
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	71436	1809	35	1712	1695	31	34759	25	724
1. Wages and Salaries including Bonus	62007	1582	27	1617	1414	19	30529	24	589
1.1 Wages and Salaries	55178	1508	26	1588	1387	18	24940	23	551
1.1.1 Workers	42894	908	9	822	912	10	21958	16	387
1.1.2 Supervisory & Managerial	8119	445	11	395	330	3	1335	3	64
1.1.3 Other Employees	4165	156	7	371	144	5	1647	4	101
1.2 Bonus to All Staff	6829	74	1	29	28	1	5588	1	38
2. Employer's Contribution	9429	227	8	95	280	12	4230	1	135

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Kollam	139	141	152	161	162	170	181	191	192	201
Characteristics	139	141	152	161	162	170	181	191	192	201
A. No. of Persons engaged(No)	33	538	0	146	49	233	112	1	158	1934
1.Workers	27	522	0	109	37	184	93	0	144	1623
1.1. Directly Employed	27	522	0	109	37	182	93	0	20	1623
1.1.1 Men	15	60	0	64	30	155	49	0	20	1623
1.1.2 Women	12	462	0	45	7	27	44	0	0	0
1.2 Employed through contractors	0	0	0	0	0	2	0	0	124	0
2. Employees other than Workers	6	15	0	19	11	47	18	0	14	311
2.1 Supervisory and Managerial	4	10	0	8	5	15	11	0	14	222
2.2 Other Employees	2	5	0	11	5	32	7	0	0	89
3. Unpaid family members/proprietor etc	0	1	0	19	2	3	2	1	0	0
B. Total Mandays Employed (in '000)	9	156	0	22	12	68	30	0	48	706
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	45	377	0	96	59	415	154	0	1374	17816
1. Wages and Salaries including Bonus	41	356	0	93	57	362	140	0	1249	14917
1.1 Wages and Salaries	40	342	0	88	51	356	130	0	1210	14429
1.1.1 Workers	25	323	0	56	32	261	111	0	935	10154
1.1.2 Supervisory & Managerial	13	13	0	20	13	38	11	0	274	3644
1.1.3 Other Employees	2	5	0	12	7	57	7	0	0	630
1.2 Bonus to All Staff	2	14	0	5	5	7	11	0	39	489
2. Employer's Contribution	3	21	0	3	3	52	14	0	126	2899

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Kollam	202	210	221	222	239	241	242	251	259
Characteristics	202	210	221	222	239	241	242	251	259
A. No. of Persons engaged(No)	130	88	598	219	2096	67	72	85	128
1. Workers	102	68	472	187	1796	55	62	80	103
1.1. Directly Employed	102	68	472	187	1796	29	62	80	103
1.1.1 Men	94	44	331	160	1738	29	62	80	68
1.1.2 Women	8	25	141	27	58	0	0	0	35
1.2 Employed through contractors	0	0	0	0	0	26	0	0	0
2. Employees other than Workers	26	14	123	27	152	12	9	4	25
2.1 Supervisory and Managerial	8	5	81	13	78	4	4	2	4
2.2 Other Employees	18	9	42	13	75	8	5	2	21
3. Unpaid family members/proprietor etc	2	5	3	5	148	0	1	1	0
B. Total Mandays Employed (in '000)	35	23	179	63	513	18	25	23	38
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	157	111	1497	346	2739	78	343	111	186
1. Wages and Salaries including Bonus	147	100	1077	298	2665	67	308	109	171
1.1 Wages and Salaries	141	89	992	257	2613	66	296	101	159
1.1.1 Workers	92	60	656	198	2167	51	238	95	90
1.1.2 Supervisory & Managerial	27	10	265	37	225	4	42	3	37
1.1.3 Other Employees	22	19	71	22	220	11	15	2	32
1.2 Bonus to All Staff	6	11	85	42	52	1	12	8	12
2. Employer's Contribution	10	10	420	48	75	11	35	2	15

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Kollam	271	282	292	303	310	321	324	331	452	454	960
Characteristics	271	282	292	303	310	321	324	331	452	454	960
A. No. of Persons engaged(No)	420	33	5	27	31	14	95	15	1407	148	49
1.Workers	314	25	4	21	23	12	77	8	1023	90	39
1.1. Directly Employed	314	25	4	21	23	12	77	6	1023	90	39
1.1.1 Men	217	22	4	21	23	12	0	6	977	90	22
1.1.2 Women	97	3	0	0	0	0	77	0	46	0	17
1.2 Employed through contractors	0	0	0	0	0	0	0	2	0	0	0
2. Employees other than Workers	106	8	0	6	8	1	18	7	374	53	6
2.1 Supervisory and Managerial	33	4	0	4	4	0	9	3	169	25	3
2.2 Other Employees	74	4	0	2	4	1	9	4	205	28	3
3. Unpaid family members/proprietor etc	0	0	1	0	0	1	0	0	11	5	4
B. Total Mandays Employed (in '000)	137	10	1	8	7	2	29	4	416	42	10
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	1321	46	6	47	27	19	106	29	2775	336	32
1. Wages and Salaries including Bonus	1047	44	5	46	24	19	83	27	2401	321	32
1.1 Wages and Salaries	1003	43	5	44	24	19	83	27	2204	296	31
1.1.1 Workers	556	28	5	33	16	15	62	10	1448	132	24
1.1.2 Supervisory & Managerial	246	8	0	10	6	0	15	11	462	93	5
1.1.3 Other Employees	201	8	0	2	2	4	7	6	294	70	2
1.2 Bonus to All Staff	45	1	1	2	0	0	0	0	196	25	1
2. Employer's Contribution	274	1	1	1	2	0	23	2	374	15	0

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Thiruvananthapuram		All	102	103	104	105	106	107	110	131	141
Characteristics											
A. No. of Persons engaged(No)	20239	90	19	0	506	80	2552	32	585	1566	
1.Workers	16135	65	13	0	357	47	2398	26	516	1442	
1.1. Directly Employed	13088	63	13	0	145	47	2398	26	497	1442	
1.1.1 Men	8055	25	4	0	97	41	327	3	231	181	
1.1.2 Women	5032	38	9	0	48	6	2071	23	266	1261	
1.2 Employed through contractors	3047	2	0	0	212	0	0	0	19	0	
2. Employees other than Workers	4021	25	5	0	149	33	146	6	50	123	
2.1 Supervisory and Managerial	1812	14	3	0	49	11	77	3	21	59	
2.2 Other Employees	2209	11	2	0	100	22	69	3	30	64	
3. Unpaid family members/proprietor etc	83	0	1	0	0	0	9	0	19	1	
B. Total Mandays Employed (in '000)	6039	27	5	0	155	24	653	10	165	461	
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	58927	168	30	0	2208	173	2517	51	1064	1604	
1. Wages and Salaries including Bonus	49597	155	28	0	1815	159	2276	43	892	1363	
1.1 Wages and Salaries	47495	151	26	0	1792	132	2056	43	839	1288	
1.1.1 Workers	29519	67	17	0	858	38	1873	31	643	1115	
1.1.2 Supervisory & Managerial	12148	56	6	0	459	47	133	7	121	116	
1.1.3 Other Employees	5828	28	4	0	475	47	50	5	75	57	
1.2 Bonus to All Staff	2102	4	1	0	23	28	220	0	52	75	
2. Employer's Contribution	9330	13	2	0	394	14	241	7	173	241	

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Thiruvananthapuram	161	162	170	181	192	201	202	210	221	222
Characteristics										
A. No. of Persons engaged(No)	14	215	78	644	38	694	8	889	1776	1804
1.Workers	11	194	74	328	28	408	4	262	1592	1515
1.1. Directly Employed	11	194	74	328	12	403	4	259	664	834
1.1.1 Men	5	155	28	285	12	395	3	148	500	589
1.1.2 Women	6	39	46	43	0	8	1	111	164	246
1.2 Employed through contractors	0	0	0	0	16	5	0	3	928	681
2. Employees other than Workers	2	16	4	316	10	286	3	626	181	288
2.1 Supervisory and Managerial	2	12	2	192	8	102	0	31	138	184
2.2 Other Employees	0	4	2	124	2	184	3	595	43	104
3. Unpaid family members/proprietor etc	2	5	0	0	0	0	1	2	3	1
B. Total Mandays Employed (in '000)	2	64	23	220	11	208	2	268	619	602
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	7	251	168	2648	349	5067	11	1750	6075	7237
1. Wages and Salaries including Bonus	7	241	151	2200	332	3721	10	1446	4936	6062
1.1 Wages and Salaries	7	232	147	2160	332	3573	10	1426	4837	5721
1.1.1 Workers	4	205	141	1236	181	1601	5	289	3749	3921
1.1.2 Supervisory & Managerial	2	23	3	675	110	842	0	188	994	1496
1.1.3 Other Employees	0	4	3	249	40	1131	5	949	93	305
1.2 Bonus to All Staff	0	9	4	39	0	148	0	20	99	341
2. Employer's Contribution	0	10	17	448	17	1345	1	304	1139	1174

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Thiruvananthapuram	231	239	243	251	259	261	262	263	264	271
Characteristics										
A. No. of Persons engaged(No)	41	2991	26	63	17	138	17	688	61	407
1.Workers	26	2517	13	16	5	66	16	521	30	329
1.1. Directly Employed	26	2082	13	16	5	66	15	236	30	261
1.1.1 Men	21	2051	12	16	1	58	9	163	23	122
1.1.2 Women	5	32	1	0	4	8	6	73	7	139
1.2 Employed through contractors	0	434	0	0	0	0	1	285	0	68
2. Employees other than Workers	15	471	13	46	5	71	1	167	31	78
2.1 Supervisory and Managerial	9	266	6	24	3	6	1	70	3	41
2.2 Other Employees	6	205	7	22	2	65	0	97	28	37
3. Unpaid family members/proprietor etc	0	3	0	1	7	1	0	0	0	0
B. Total Mandays Employed (in '000)	12	853	5	19	3	40	5	206	17	118
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	101	11219	44	236	21	329	37	2461	604	1538
1. Wages and Salaries including Bonus	94	9803	41	212	19	318	28	1995	551	1303
1.1 Wages and Salaries	88	9558	41	203	19	293	26	1925	514	1222
1.1.1 Workers	47	5308	21	62	8	148	23	765	163	841
1.1.2 Supervisory & Managerial	31	3762	17	99	7	19	3	675	60	250
1.1.3 Other Employees	10	488	3	42	3	127	0	485	291	131
1.2 Bonus to All Staff	6	246	0	9	0	24	2	71	37	81
2. Employer's Contribution	7	1415	4	24	3	11	9	465	53	235

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Thiruvananthapuram	274	275	279	281	282	301	303	309	310	325	331
Characteristics											
A. No. of Persons engaged(No)	66	23	364	23	184	17	620	145	161	99	1
1.Workers	48	19	309	15	157	13	491	99	130	67	0
1.1. Directly Employed	48	17	147	15	154	9	319	90	102	67	0
1.1.1 Men	33	17	105	15	144	9	295	89	72	47	0
1.1.2 Women	15	0	42	0	10	0	24	1	30	20	0
1.2 Employed through contractors	0	2	162	0	3	4	172	9	28	0	0
2. Employees other than Workers	18	4	54	8	27	4	129	46	23	31	0
2.1 Supervisory and Managerial	18	2	48	4	13	2	104	21	12	10	0
2.2 Other Employees	0	2	6	4	14	2	25	25	11	21	0
3. Unpaid family members/proprietor etc	0	0	1	0	0	0	0	0	8	1	1
B. Total Mandays Employed (in '000)	19	7	108	7	56	5	186	43	45	26	0
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	96	43	972	59	353	39	3061	561	426	342	0
1. Wages and Salaries including Bonus	77	38	784	58	288	36	2544	458	406	336	0
1.1 Wages and Salaries	72	38	763	54	279	36	2435	457	397	305	0
1.1.1 Workers	38	28	575	30	202	27	1721	252	255	143	0
1.1.2 Supervisory & Managerial	34	7	176	19	52	7	584	112	108	91	0
1.1.3 Other Employees	0	3	12	6	25	2	130	92	34	70	0
1.2 Bonus to All Staff	5	1	20	4	9	0	109	1	10	31	0
2. Employer's Contribution	18	4	189	1	65	3	517	103	19	6	0

Table 2.5: Distribution of estimate of (i) employment (ii) mandays employed and (iii) emoluments paid in factory sector by 3-digit NIC 2008

District:Thiruvananthapuram	332	452	454	591	952	960
Characteristics	332	452	454	591	952	960
A. No. of Persons engaged(No)	0	2040	110	30	9	309
1.Workers	0	1583	87	18	3	278
1.1. Directly Employed	0	1583	87	14	3	269
1.1.1 Men	0	1390	84	5	3	244
1.1.2 Women	0	193	3	9	0	25
1.2 Employed through contractors	0	0	0	4	0	9
2. Employees other than Workers	0	449	21	12	5	25
2.1 Supervisory and Managerial	0	212	12	7	0	12
2.2 Other Employees	0	237	9	5	5	13
3. Unpaid family members/proprietor etc	0	9	2	0	1	6
B. Total Mandays Employed (in '000)	0	607	32	9	2	92
C. Wages and Salaries including Employers' Contribution (₹ lakhs)	0	4138	172	202	8	490
1. Wages and Salaries including Bonus	0	3579	158	197	6	432
1.1 Wages and Salaries	0	3222	152	197	6	420
1.1.1 Workers	0	2302	109	103	2	373
1.1.2 Supervisory & Managerial	0	632	36	61	0	28
1.1.3 Other Employees	0	289	8	33	4	20
1.2 Bonus to All Staff	0	356	6	0	0	12
2. Employer's Contribution	0	559	13	4	2	57

Table 3:Fuels consumed in the factory sector by type of fuel for each 2-digit industry class (NIC-2008) for all-Kerala

Industry (2 digit code)	Type of Fuel (Value figures in ₹ Thousands)						
	Coal		Electricity		Petroleum Products	Other Fuels	Total
	Quantity Thousand Tonne	Value	Quantity Thousand Kwh	Value	Value	Value	Value
10	1	2074	423792	2965063	1515360	480761	4963257
11	3	28702	19273	145163	23743	15611	213219
12	0	0	141	1302	1068	1590	3960
13	0	0	240106	1681608	160389	50187	1892184
14	0	0	24948	156117	69664	1255	227035
15	0	0	25426	178579	50056	2454	231089
16	0	0	77842	590031	74109	115197	779337
17	78	581251	120331	715926	188373	40529	1526079
18	0	0	49017	290466	75878	9227	375570
19	0	0	100606	725440	8851846	3074910	12652196
20	57	558764	386765	2482885	1523858	799907	5365415
21	0	0	19106	136423	119135	173214	428772
22	22	120231	420127	2605404	1050811	195717	3972163
23	72	472836	334773	1990768	1869307	295074	4627985
24	7	34096	365479	2331908	210677	97145	2673826
25	1	7434	40270	248567	121569	6279	383849
26	0	0	31716	238695	76460	0	315156
27	0	0	28652	207357	22323	617	230297
28	0	0	7723	52420	7836	833	61089
29	0	0	226	2327	1322	0	3649
30	0	0	34476	199709	23718	64231	287658
31	0	0	13621	103264	31757	10278	145298
32	0	0	10764	77710	14800	789	93298
33	0	0	2446	16061	5151	900	22113
58	0	0	10726	78458	81119	0	159577
Others	0	0	150899	1044577	411537	26891	1483004
Total	242	1805388	2939249	19266227	16581866	5463595	43117076

Table 3.1: Fuels Consumed at Industry by their type for each 2-digit industry division (NIC_2008) for ASI 2016-17							
Kasargod	Type of Fuels(Value figures in ₹ Thousands)						
Industry (2 digit code)	Coal		Electricity Purchased		Petroleum Products	Gas	Other Fuels
	Quantity Thousand Tonne	Value	Quantity Thousand Kwh	Value	Value	Value	Value
10	0	0	1543	10846	7267	0	3277
11	0	0	159	1115	383	0	0
12	0	0	61	431	222	0	1015
13	0	0	46	330	4	0	61
14	0	0	22	157	19	0	0
16	0	0	6400	45102	7961	0	2698
18	0	0	24	167	434	0	0
19	0	0	2	13	0	0	0
21	0	0	1	6	0	0	0
22	0	0	460	3217	635	0	0
23	0	0	450	3235	2281	0	0
24	0	0	491	3440	0	0	0
31	0	0	275	2333	2349	0	0
35	0	0	0	0	0	0	0
45	0	0	1691	14194	2418	0	511
Total	0	0	11624	84585	23973	0	7562

Table 3.1: Fuels Consumed at Industry by their type for each 2-digit industry division (NIC_2008) for ASI 2016-17

Kannur Industry (2 digit code)	Type of Fuels(Value figures in ₹ Thousands)						
	Coal		Electricity Purchased		Petroleum Products	Gas	Other Fuels
	Quantity Thousand Tonne	Value	Quantity Thousand Kwh.	Value	Value	Value	Value
10	0	0	7077	46761	19456	157	1486
11	0	0	30	217	922	0	0
12	0	0	5917	33820	4938	0	0
13	0	0	25671	187308	24604	0	6941
14	0	0	954	6970	3683	0	0
15	0	0	360	2559	267	0	796
16	0	0	20982	140640	12719	267	63441
17	0	0	47	344	4	0	11
18	0	0	1411	8342	83	0	0
20	0	0	2536	17984	6703	133	0
21	0	0	280	3014	574	566	0
22	0	0	14431	89732	15471	0	3469
23	0	0	3558	16108	19646	0	3397
24	0	0	1644	12271	3602	0	0
25	0	0	114	799	1171	0	0
26	0	0	1594	11156	7475	0	0
27	0	0	30	208	25	0	0
28	0	0	44	321	71	12	0
29	0	0	15	68	0	0	0
30	0	0	40	277	190	0	0
31	0	0	7461	56169	24349	0	14347
32	0	0	64	474	458	0	0
35	0	0	122	852	1265	0	0
45	0	0	2294	15203	6049	106	13
Total	0	0	96673	651595	153725	1241	93901

Table 3.1: Fuels Consumed at Industry by their type for each 2-digit industry division (NIC_2008) for ASI 2016-17

Wayanad Industry (2 digit code)	Type of Fuels(Value figures in ₹ Thousands)							
	Coal		Electricity Purchased		Petroleum Products	Gas	Other Fuels	
	Quantity Thousand Tonne	Value	Quantity Thousand Kwh.	Value	Value	Value	Value	Value
10	0	0	15834	104681	42226	0	97154	
15	0	0	294	2105	1149	0	0	
16	0	0	276	2075	653	0	0	
17	0	0	0	0	0	0	0	
18	0	0	44	298	12	0	0	
20	0	0	162	1212	627	0	877	
21	0	0	9	58	63	181	120	
23	0	0	1639	10735	8192	50	3410	
45	0	0	190	1238	1054	0	0	
Total	0	0	18449	122401	53976	232	101560	

Table 3.1: Fuels Consumed at Industry by their type for each 2-digit industry division (NIC_2008) for ASI 2016-17

Kozhikode Industry (2 digit code)	Type of Fuels(Value figures in ₹ Thousands)						
	Coal		Electricity Purchased		Petroleum Products	Gas	Other Fuels
	Quantity Thousand Tonne	Value	Quantity Thousand Kwh.	Value	Value	Value	Value
10	0	0	16060	121285	34898	609	1568
11	0	0	237	1676	1641	0	666
12	0	0	7	48	425	0	27
13	0	0	2005	15051	200	0	600
14	0	0	189	1364	416	0	0
15	0	45	9071	69541	14010	0	1304
16	0	0	519	4949	273	36	0
17	0	0	270	1957	966	0	0
18	0	0	125	963	27	164	0
20	0	0	308	2362	2195	37	1078
21	0	0	216	1664	552	0	2622
22	0	0	1824	21346	4404	0	2271
23	0	0	1985	14381	30744	0	27792
24	0	310	42183	316506	92049	33733	1982
25	0	0	1492	11199	4838	10031	90
27	0	0	316	2649	333	8	20
28	0	0	136	984	626	23	0
30	0	0	207	1962	597	0	0
31	0	0	150	1064	7	0	0
32	0	0	101	710	7	0	0
33	0	0	7	46	0	0	0
38	0	0	9	73	0	0	0
45	0	0	4650	31094	15189	0	41
58	0	0	1431	11507	110535	0	0
82	0	0	0	2	199	0	1
Total	0	355	83501	634381	315132	44641	40060

Table 3.1: Fuels Consumed at Industry by their type for each 2-digit industry division (NIC_2008) for ASI 2016-17

Malappuram	Type of Fuels(Value figures in ₹ Thousands)						
	Coal		Electricity Purchased		Petroleum Products	Gas	Other Fuels
	Industry (2 digit code)	Quantity Thousand Tonne	Value	Quantity Thousand Kwh.	Value	Value	Value
10	0	0	9638	69237	40905	1396	36360
11	0	0	46	383	18	0	0
12	0	0	13	78	1206	0	420
13	0	0	8033	57956	2367	0	0
15	0	0	5129	36626	12465	0	0
16	0	0	629	4571	328	0	14
17	0	0	127	974	243	11	0
18	0	0	580	4474	2272	0	0
19	0	0	1276	12556	1991	0	0
20	0	0	703	5635	974	0	0
21	0	0	2829	19139	72658	0	18059
22	0	0	7476	55020	27679	1662	45597
23	0	0	6799	48535	74340	0	4542
25	0	42	142	1088	461	0	55
26	0	0	79	600	103	0	0
27	0	0	265	2018	435	0	0
30	0	0	150	1209	219	0	0
31	0	0	932	7296	2937	145	0
32	0	0	38	235	21	0	0
35	0	0	20	180	442	0	0
45	0	0	5193	39307	17828	0	19043
58	0	0	261	1773	669	0	0
Total	0	42	50358	368890	260561	3214	124090

Table 3.1:Fuels Consumed at Industry by their type for each 2-digit industry division (NIC_2008) for ASI 2016-17

Palakkad		Type of Fuels(Value figures in ₹ Thousands)					
Industry (2 digit code)	Coal		Electricity Purchased		Petroleum Products	Gas	Other Fuels
	Quantity Thousand Tonne	Value	Quantity Thousand Kwh.	Value	Value	Value	Value
10	0	0	25067	173779	80319	28	30571
11	0	0	12455	82798	9684	7	26186
13	0	0	57440	340917	10151	2659	8625
14	0	0	211	1308	251	0	0
16	0	0	1631	10632	358	51	0
17	0	0	6535	40364	3379	0	21936
18	0	0	218	1460	376	0	0
19	0	0	2255	18046	2718	0	0
20	0	0	3136	22779	7287	0	0
21	0	0	1727	10953	2328	48	5685
22	0	0	35720	250930	73086	17	49033
23	35	339014	92282	536639	267599	14182	1875
24	11	44140	308604	1881959	328506	339	796
25	1	15641	2295	14436	11115	0	147
26	0	232	3718	29748	1544	0	0
27	0	0	1098	6474	1397	0	0
28	0	0	314	2288	276	0	810
31	0	0	111	758	13	0	0
32	0	0	413	3063	685	55	0
38	0	0	1579	10014	0	0	0
45	0	0	1997	13946	4525	0	0
82	0	0	1	5	0	0	0
Total	47	399027	558809	3453295	805595	17387	145663

Table 3.1: Fuels Consumed at Industry by their type for each 2-digit industry division (NIC_2008) for ASI 2016-17

Thrissur	Type of Fuels(Value figures in ₹ Thousands)						
	Coal		Electricity Purchased		Petroleum Products	Gas	Other Fuels
Industry (2 digit code)	Quantity Thousand Tonne	Value	Quantity Thousand Kwh.	Value	Value	Value	Value
10	0	0	27685	179980	42263	3211	20379
11	0	0	2757	16711	5182	0	11004
12	0	0	0	1	0	0	0
13	0	0	32899	197918	907	0	1039
14	0	0	37	225	176	0	0
15	0	0	443	2636	615	0	0
16	0	0	698	4595	2003	99	0
17	0	0	819	5301	1112	0	0
18	0	0	3123	22051	2194	0	0
20	0	0	1178	12788	4237	324	0
21	0	0	6151	40994	34278	13751	44340
22	24	124471	86665	432093	74242	0	5513
23	0	0	13971	91430	128892	65	90880
24	0	2290	13177	80072	499	0	267
25	0	0	5228	34762	44418	0	32
26	0	0	1466	9868	5205	0	0
27	0	0	205	1333	2047	0	0
28	0	0	1912	12161	2022	779	32
29	0	0	368	2023	825	0	0
31	0	0	1016	6214	711	0	0
32	0	0	3716	23029	5901	805	0
33	0	0	8	47	53	0	0
35	0	0	300	1275	10	0	0
45	0	0	13753	88741	32995	34	0
96	0	0	34	187	255	0	153
Total	24	126762	217609	1266435	391040	19068	173638

Table 3.1: Fuels Consumed at Industry by their type for each 2-digit industry division (NIC_2008) for ASI 2016-17

Ernakulam	Type of Fuels(Value figures in ₹ Thousands)						
	Coal		Electricity Purchased		Petroleum Products	Gas	Other Fuels
Industry (2 digit code)	Quantity Thousand Tonne	Value	Quantity Thousand Kwh.	Value	Value	Value	Value
10	0	0	123391	856028	407281	25855	49590
11	0	0	1077	7649	1554	0	70
13	0	0	40503	260503	25709	0	6307
14	0	0	15782	116310	110462	0	0
15	0	0	2263	15828	3447	0	0
16	0	0	75590	462246	18530	223	9664
17	0	0	13088	95145	12930	114	20528
18	0	0	8731	58141	10576	0	388
19	0	0	98023	686487	10300000	4759561	1444
20	0	0	356040	2015152	1304732	18569	223798
21	25	107232	29002	183962	43937	0	246
22	0	0	60615	398339	117145	11296	50035
23	0	0	141770	653600	150046	46969	3482
24	0	241	19013	142358	9571	2310	59577
25	1	6937	24452	169374	32625	1464	1883
26	0	0	34584	258476	23981	20156	0
27	0	0	15591	109083	15755	1701	5759
28	0	0	6075	36975	6219	14	263
29	0	0	81	554	88	0	0
30	0	0	32191	187687	20731	66556	403
31	0	0	3712	22710	6262	0	1027
32	0	0	2533	18522	5488	346	255
33	0	0	2077	17765	8351	0	184
35	0	0	52	258	40	0	183602
38	0	0	379	2957	329	0	0
45	0	0	18827	121926	117404	3879	43029
52	0	0	4466	28597	2459	0	164
95	0	0	23	157	63	0	0
96	0	0	740	5729	6750	0	0
Total	25	114410	1130670	6932520	12762465	4959011	661698

Table 3.1: Fuels Consumed at Industry by their type for each 2-digit industry division (NIC_2008) for ASI 2016-17

Idukki	Type of Fuels(Value figures in ₹ Thousands)						
	Coal		Electricity Purchased		Petroleum Products	Gas	Other Fuels
	Industry (2 digit code)	Quantity Thousand Tonne	Value	Quantity Thousand Kwh.	Value	Value	Value
10		0	0	55258	345578	260071	1080
11		0	0	376	3126	11	0
13		0	0	160	1397	333	398
15		0	0	451	3543	575	0
16		0	0	759	4746	940	0
18		0	0	0	0	0	0
20		0	0	111	823	185	0
21		0	0	501	4106	15715	0
22		0	0	2787	18017	6082	0
23		0	0	1287	10504	40100	0
27		0	0	291	2213	383	0
28		0	0	47	249	125	0
31		0	0	1183	7824	6997	0
35		0	0	31	230	318	0
45		0	0	149	1160	110	0
Total		0	0	63390	403517	331945	1478
							310037

Table 3.1: Fuels Consumed at Industry by their type for each 2-digit industry division (NIC_2008) for ASI 2016-17

Kottayam	Type of Fuels(Value figures in ₹ Thousands)							
	Industry (2 digit code)	Coal		Electricity Purchased		Petroleum Products	Gas	Other Fuels
		Quantity Thousand Tonne	Value	Quantity Thousand Kwh.	Value	Value	Value	Value
10	0	0	8491	64065	55999	9293	5785	
11	0	0	26	201	136	0	0	
13	0	0	7671	49734	1398	0	5813	
14	0	0	80	578	172	0	5	
15	0	0	4625	30537	15692	0	125	
16	0	0	1111	8254	3622	0	0	
17	0	0	97564	1135775	5650	226	34862	
18	0	0	30644	215241	42576	7489	421	
19	0	0	128	1435	7076	0	25	
20	0	0	324	2183	10991	377	0	
21	0	0	2368	15778	18162	161	0	
22	0	0	108971	616528	187124	0	263704	
23	0	0	9522	71129	201779	0	21197	
24	0	0	367	2425	6893	0	0	
25	0	0	14	143	45	0	0	
27	0	0	459	3742	882	0	34	
28	0	0	379	2511	173	0	0	
29	0	0	90	1185	1388	0	0	
31	0	0	1061	7244	4006	0	92	
45	0	0	5053	41021	22376	0	799	
58	0	0	681	4904	2846	0	0	
96	0	0	70	630	0	0	306	
Total	0	0	279698	2275243	588985	17546	333168	

Table 3.1: Fuels Consumed at Industry by their type for each 2-digit industry division (NIC_2008) for ASI 2016-17

Alappuzha Industry (2 digit code)	Type of Fuels(Value figures in ₹ Thousands)					
	Coal		Electricity Purchased		Petroleum Products	Gas
Quantity Thousand Tonne	Value	Quantity Thousand Kwh.	Value	Value	Value	Value
10	0	74539	589375	268514	2579	17974
11	0	1427	10693	1664	0	12783
13	0	17289	131105	96032	1705	38177
14	0	37	290	4	0	0
15	0	83	604	0	0	0
16	0	354	2915	165	0	674
17	0	1118	7271	4691	0	810
18	0	37	279	3	0	0
19	0	30	273	0	0	26
20	0	1055	6541	134	0	0
21	0	1339	9720	3756	787	1861
22	0	2041	15821	15062	542	8640
23	0	837	6477	2682	0	301
24	0	5294	45653	9107	2493	0
25	0	1786	14596	4317	38	1443
26	0	174	1216	174	0	0
27	0	216	1628	990	0	0
28	0	518	4156	1366	241	0
30	0	218	1727	1073	0	0
31	0	67	532	173	0	0
32	0	471	3847	6501	0	0
33	0	78	619	390	0	0
35	0	181	1357	0	0	0
45	0	2234	17277	13206	0	1009
52	0	2978	23218	7980	0	0
82	0	3	22	0	0	0
Total	0	114405	897212	437983	8384	83698

Table 3.1: Fuels Consumed at Industry by their type for each 2-digit industry division (NIC_2008) for ASI 2016-17

Pathanamthitta Industry (2 digit code)	Type of Fuels(Value figures in ₹ Thousands)						
	Coal		Electricity Purchased		Petroleum Products	Gas	Other Fuels
	Quantity Thousand Tonne	Value	Quantity Thousand Kwh.	Value	Value	Value	Value
10	0	0	6571	51748	59481	16260	6759
11	0	0	136	1017	803	0	0
13	0	0	411	3079	1210	0	541
15	0	0	13	87	14	0	0
16	0	0	435	3267	44	0	0
18	0	0	15	112	70	0	0
20	0	0	14	98	447	0	30
21	0	0	21	166	68	56	0
22	0	0	916	6601	1993	0	713
23	0	0	6461	53593	145730	60	169581
25	0	0	232	1829	4614	0	0
27	0	0	338	2937	39	0	0
31	0	0	7	50	3	0	0
32	0	0	15	123	9	21	0
35	0	0	51	281	210	0	0
45	0	0	1532	14146	8103	46496	111
96	0	0	84	668	93	0	642
Total	0	0	17250.56	139801.5	222931	62893.2	178377

Table 3.1: Fuels Consumed at Industry by their type for each 2-digit industry division (NIC_2008) for ASI 2016-17

Kollam								Type of Fuels(Value figures in ₹ Thousands)			
Industry (2 digit code)	Coal		Electricity Purchased		Petroleum Products		Gas		Other Fuels		
	Quantity Thousand Tonne	Value	Quantity Thousand Kwh.	Value	Value	Value	Value	Value	Value	Value	
10	0	0	23485	183898	267040	2471	0	11460	0	0	
11	0	0	143	1033	185	0	0	0	0	0	
13	0	0	1178	9171	427	0	0	255	0	0	
14	0	0	85	626	517	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	
16	0	0	597	4525	1072	0	0	0	0	0	
17	0	0	2651	21136	21079	0	0	0	0	0	
18	0	0	411	3291	1018	0	0	0	0	0	
19	0	0	1357	11528	0	116	0	0	0	0	
20	19	406343	42370	338919	669970	135164	0	16892	0	0	
21	0	0	40	324	321	843	0	32	0	0	
22	0	0	4569	36085	7620	0	0	9461	0	0	
23	0	0	3004	23719	40338	3	0	5321	0	0	
24	0	0	8056	60687	856	0	0	4019	0	0	
25	0	0	276	2163	2725	0	0	0	0	0	
27	0	0	580	4628	597	0	0	0	0	0	
28	0	0	96	710	70	0	0	0	0	0	
29	0	0	6	45	6	0	0	0	0	0	
30	0	0	65	517	51	0	0	0	0	0	
31	0	0	55	431	135	0	0	0	0	0	
32	0	0	62	475	214	0	0	0	0	0	
33	0	0	6	46	0	0	0	2	0	0	
45	0	0	2871	22174	16783	0	0	2497	0	0	
96	0	0	142	1029	44	0	0	128	0	0	
Total	19	406343	92107	727160	1031067	138597	0	50066	0	0	

Table3.1: Fuels Consumed at Industry by their type for each 2-digit industry division (NIC_2008) for ASI 2016-17

Thiruvananthapuram		Type of Fuels(Value figures in ₹ Thousands)						
Industry(2 digit code)	Coal		Electricity Purchased		Petroleum Products		Gas	Other Fuels
	Quantity Thousand Tonne	Value	Quantity Thousand Kwh.	Value	Value	Value	Value	Value
10	0	0	11657	72108	20853	2696	15069	
11	0	0	30	212	0	0	0	
13	0	0	9117	61890	105	0	0	
14	0	0	1185	8257	1665	0	0	
16	0	0	1273	7562	6703	0	0	
17	0	0	723	4719	0	0	0	
18	0	0	3633	22673	7936	0	0	
19	0	0	200	1200	282	0	0	
20	0	0	13448	80838	99618	0	0	
21	0	0	1669	10487	2844	0	7083	
22	0	0	26896	175228	151422	0	382	
23	0	0	49421	295817	719922	0	109	
24	0	0	270	1589	72	3	0	
25	0	0	188	1112	1525	0	0	
26	0	0	1048	6207	181	0	0	
27	0	0	1967	13061	1755	209	0	
28	0	0	409	2397	237	0	0	
30	0	0	3093	18878	1843	0	0	
31	0	0	126	1034	650	0	0	
32	0	0	407	3072	31	0	0	
33	0	0	0	0	0	0	0	
45	0	0	10088	52386	11807	0	0	
59	0	0	0	0	0	0	0	
95	0	0	17	102	82	0	0	
96	0	0	684	4391	1336	0	9775	
Total	0	0	137550	845217	1030868	2908	32418	

रजिस्ट्री सं. डॉ. एल—(ए)04/0007/2003—09

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भारत का राजपत्र

The Gazette of India

असाधारण

EXTRAORDINARY

भाग II — खण्ड 1

PART II — Section 1

प्राधिकार से प्रकाशित

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
Separate paging is given to this Part in order that it may be filed as a separate compilation.

MINISTRY OF LAW AND JUSTICE

(Legislative Department)

New Delhi, the 9th January, 2009/Pausa 19, 1930 (Saka)

The following Act of Parliament received the assent of the President on the 7th January, 2009, and is hereby published for general information:—

THE COLLECTION OF STATISTICS ACT, 2008

No. 7 OF 2009

[7th January, 2009.]

An Act to facilitate the collection of statistics on economic, demographic, social, scientific and environmental aspects, and for matters connected therewith or incidental thereto.

BE it enacted by Parliament in the Fifty-ninth Year of the Republic of India as follows:—

CHAPTER I

PRELIMINARY

1. (1) This Act may be called the Collection of Statistics Act, 2008.
- (2) It extends to the whole of India except the State of Jammu and Kashmir.
- (3) It shall come into force on such date as the Central Government may, by notification in the Official Gazette, appoint.

Short title,
extent and
commencement.

2. In this Act, unless the context otherwise requires,—

Definitions

- (a) “agency” includes a person or persons engaged by the appropriate Government, directly or by outsourcing, for collection of statistics;
- (b) “appropriate Government” means—
 - (i) any Ministry or Department in the Central Government; or

(ii) any Ministry or Department in a State Government or Union territory Administration; or

(iii) any local government that is to say, Panchayats or Municipalities, as the case may be,

in relation to the collection of statistics under a direction issued by it under section 3;

(c) "informant" means any person, who supplies or is required to supply statistical information and includes a owner or occupier or person in-charge or his authorised representative in respect of persons or a firm registered under the Indian Partnership Act, 1932 or a co-operative society registered under any Co-operative Societies Act or a company registered under the Companies Act, 1956 or a society registered under the Societies Registration Act, 1860 or any association recognised or registered under any law for the time being in force;

(d) "information schedule" means any book, document, form, card, tape, disc or any storage media on which information required is entered or recorded or is required to be entered or recorded for statistical purposes under this Act;

(e) "prescribed" means prescribed by rules made under this Act;

(f) "sampling" means a statistical procedure by which information relating to a particular field of inquiry is derived by applying statistical techniques to information obtained in respect of a proportion of the total number of persons or units concerned relevant to the field of inquiry;

(g) "statistical survey" means a census or a survey, whereby information is collected from all the informants in the field of inquiry or from a sample thereof, by an appropriate Government under this Act or any other relevant Act, wholly or primarily for the purposes of processing and summarising by appropriate statistical procedures;

(h) "statistics" means statistics derived by collecting, classifying and using statistics, specially in or for large quantities or numbers by appropriate Government from statistical surveys, administrative and registration records, and other forms and papers, the statistical analysis of which are, whether in a published or unpublished form;

(i) "statistics officer" means any officer appointed under section 4 for the purposes of any direction issued under section 3 of this Act.

CHAPTER II

COLLECTION OF STATISTICS

Collection of
statistics.

3. The appropriate Government may, by notification in the Official Gazette, direct that the statistics on economic, demographic, social, scientific and environmental aspects shall be collected through a statistical survey or otherwise, and thereupon the provisions of this Act shall apply in relation to those statistics:

Provided that—

(a) nothing contained in this section shall be deemed to authorise a State Government or Union territory Administration or any local government to issue any direction with respect to the collection of statistics relating to any matter falling under any of the entries specified in List I (Union List) in the Seventh Schedule to the Constitution; or

(b) where the Central Government has issued any direction under this section for the collection of statistics relating to any matter, no State Government or Union territory Administration or any local government shall, except with the previous approval of the Central Government, issue any similar direction for so long as the collection of such statistics by the Central Government remain to be completed; or

9 of 1932.
1 of 1956.
21 of 1860.

(c) where a State Government or Union territory Administration or any local government has issued a direction under this section for the collection of statistics relating to any matter, the Central Government shall not issue any similar direction for so long as the collection of such statistics by the State Government remain to be completed, except in cases where such statistics have to be collected with reference to two or more States or Union territories.

4. (1) The appropriate Government may appoint or cause to appoint an officer to be the statistics officer for any geographical unit for the purpose of collecting any statistics directed by it.

(2) The appropriate Government may appoint any agency or persons working in such agencies to take, or aid in, or supervise the collection of the statistics within any specified geographical unit and such agencies or persons, when so appointed, shall be bound to serve accordingly.

(3) The appropriate Government may employ on contract basis any agency or company or organisation or association or person, on such terms and conditions and on such safeguards as may be prescribed, for the purpose of collecting the statistics directed by it.

(4) The appropriate Government may delegate to any statistics officer, as it thinks fit, the power of appointing agencies or persons working in such agencies or employing on contract basis any agency or company or organisation or association of persons, conferred on it by sub-sections (2) and (3) within the geographical unit for which such statistics officer is appointed.

(5) The appropriate Government may, by order specify the form, the particulars required or the interval within which, and the statistics officer to whom, the statistical information by the informants shall be furnished.

(6) The appropriate Government may, by order published in the Official Gazette, delegate to any statistics officer, as it thinks fit, any power conferred under sub-section (5) for the purpose of the collection of statistics under a direction issued by it under section 3.

5. The statistics officer may, for the purpose of collection of statistics on any specified subject in any geographical unit for which the said officer was appointed—

(a) serve or cause to be served on any informant a notice in writing asking him to furnish the information specified under sub-section (5) of section 4 or cause a information schedule to be given to any informant for the purpose of its being filled up; or

(b) cause all questions relating to the subject to be asked from any informant; or

(c) seek information through tele fax or telephone or e-mail or in any other electronic mode or in a combination of different modes for different sets of information so specified.

6. The informants who are asked to furnish any information under the provisions of this Act shall be bound to furnish the information so asked in the prescribed manner to the best of knowledge or belief; and in cases where only a portion of a particular class or group of persons or units is asked to furnish information because of any sampling procedure, it shall not be a defence in failure on the part of any informant to furnish that information, if so asked.

7. Every agency shall render such help and assistance and furnish such information to the statistics officer or a person or an agency authorised by him in writing, as he may require for the discharge of his functions, and shall make available for inspection and examination of such records, plans and other documents, as may be necessary.

Powers of appropriate Government to appoint statistics officer, etc.

Power of statistics officer to call for information.

Duty of informants.

All agencies to assist.

Right of access
to records or
documents.

8. The statistics officer or any person authorised by him in writing in this behalf shall, for the purposes of collection of any statistics under this Act, have access to any relevant record or document in the possession of any informant required to furnish any information under this Act, and may enter at any reasonable time any premises where he believes such record or document is kept and may inspect or take copies of relevant records or documents or ask any question necessary for obtaining any information required to be furnished under this Act.

CHAPTER III

DISCLOSURE OF INFORMATION IN CERTAIN CASES AND RESTRICTIONS OF THEIR USE

Security of
information.

9. (1) Any information furnished to the statistics officer or to any person or agencies authorised under this Act shall only be used for statistical purposes.

(2) No person other than a person engaged in the work of collection of statistics under this Act or preparation of statistics resultant to such collection shall be permitted to see any information schedule or any answer to a question asked, except for the purposes of a prosecution under this Act.

(3) No information contained in any information schedule and no answer to any question asked shall, except for the purposes of a prosecution under this Act, be separately published, or disclosed without suppressing the identification of informants to any agency.

(4) All statistical information published by any agency shall be arranged in such a manner so as to prevent any particulars becoming identifiable by any person (other than the informant by whom those particulars were supplied) as the particulars relating to the informant who supplied it, even through the process of elimination, unless—

(a) that informant has consented to their publication in that manner; or

(b) their publication in that manner could not reasonably have been foreseen by the concerned agency or any employee thereof.

(5) For the purposes of sub-section (4), the Central Government may make such rules or make such arrangement, as it may consider necessary.

Appropriate
Government
authorised to
disclose
certain
information.

10. Notwithstanding the provisions contained in section 9 of this Act, the appropriate Government may disclose the following information, namely:—

(a) information supplied by informant in respect of which disclosure is consented to in writing by the informant or by any person authorised by the said informant;

(b) information otherwise available to the public under any Act or as a public document;

(c) information in the form of an index or list of the names and addresses of informants together with the classification, if any, allotted to them and the number of persons engaged.

Disclosure of
information
schedules for
bona fide
research or
statistical
purposes.

11. (1) Notwithstanding the provisions contained in section 9 of this Act, the appropriate Government may disclose individual returns or formats or information schedules to other agency or person or institutions or universities solely for *bona fide* research or statistical purposes pursuant to their functions and duties.

(2) No individual return or information schedule shall be disclosed pursuant to this section unless —

(a) the name and address of the informant by whom the schedule or related information was supplied is deleted;

(b) every agency or person or institutions or Universities involved in the research or statistical project makes a declaration to use the schedules disclosed to them only for *bona fide* research or statistical purposes; and

(c) the appropriate Government, making such disclosure is satisfied that the security of the schedules and any information contained therein shall not be impaired.

(3) The published results of any research or statistical project shall not divulge any more information than what the agency authorised for collection of statistics could publish under this Act.

(4) Every agency or person or institutions or universities to whom any individual return or information schedule is disclosed under this section shall comply with directions given by the agency authorised for collection of statistics making the disclosure relating to the schedules and any information contained therein.

12. Notwithstanding anything contained in section 9 of this Act, the appropriate Government may release such documents relating to information schedules, which in its opinion have attained historical importance.

Disclosure of historical documents.

13. The statistics officer or any person or agency authorised for collection of statistics shall, while copying or recording any statistical information collected pursuant to this Act from individual returns, information schedules, worksheets or any other confidential source by means of cards, tapes, discs, film or any other method, whether using encoded or plain language symbols for processing, storage or reproduction of particulars, take and cause to take such steps as are necessary to ensure that the security provisions of this Act are complied with.

Security of recorded information.

14. Save as otherwise provided under this Act,—

Restrictions on use of information.

(a) no information obtained pursuant to this Act and no copy of the information in the possession of any informant shall be disclosed or used as evidence in any proceedings whatsoever; and

(b) no person who has access to any information because of his official position in the collection of any statistics shall be compelled in any proceedings whatsoever to give oral testimony regarding the information or to produce any schedule, document, or record with respect to any information obtained in the course of administering this Act,

except in the manner provided under this Act.

CHAPTER IV

OFFENCES AND PENALTIES

15. (1) Whoever, fails to produce any books of accounts, vouchers, documents or other business records or whoever neglects or refuses to fill in and supply the particulars required in any information schedule or return given or sent to him or whoever neglects or refuses to answer any question or inquiry addressed to him as may be required under or for the purposes of any provision of this Act and the rules made thereunder, shall be punishable with a fine which may extend to one thousand rupees or, in the case of a company, with a fine which may extend to five thousand rupees.

Penalty for neglect or refusal to supply particulars.

(2) The conviction of a person or company for an offence shall not relieve him or it of the obligations under sub-section (1) and if after the expiry of fourteen days from the date of conviction, he or it still fails to give the required particulars or continues to neglect or refuses to fill in and supply the particulars or to answer the question or inquiry, then he or it shall be punishable with a further fine which may extend to one thousand rupees or, in the case of a

company, with a fine which may extend to five thousand rupees, for each day after the first during which the failure continues.

Penalty for making false statement.

16. Whoever, wilfully makes any false or misleading statement or material omission in any information schedule or return filled in or supplied, or in answer to any question asked to him under this Act or the rules made thereunder, shall be punishable with simple imprisonment for a term which may extend to six months or with a fine which may extend to one thousand rupees or, in the case of a company, with a fine which may extend to five thousand rupees or with both.

Penalty for mutilation or defacement of information schedule.

17. Whoever, destroys, defaces, removes, or mutilates any information schedule, form, or other document containing particulars collected under this Act or requesting any such particulars, shall be punishable with simple imprisonment for a term which may extend to six months or with a fine which may extend to two thousand rupees or, in the case of a company with a fine which may extend to ten thousand rupees or with both.

Penalty for obstruction of employees.

18. Whoever, interferes with, hinders, or obstructs any employee in the exercise of any power or duty conferred by this Act, shall be punishable with simple imprisonment for a term which may extend to six months or with a fine which may extend to two thousand rupees or, in the case of a company with a fine which may extend to ten thousand rupees or with both.

Penalty for other offences.

19. Whoever—

(a) acts in contravention of or fails to comply with any provision of this Act or any requirement imposed under this Act; or

(b) wilfully deceives or attempts to deceive any statistics officer or any agency or any employee thereof,

shall be punishable with simple imprisonment for a term which may extend to six months or with a fine which may extend to two thousand rupees or, in the case of a company, with a fine which may extend to ten thousand rupees or with both.

Penalty for failure to carry out duties and functions by employees.

20. If any person employed in the execution of any duty or functions under this Act,—

(a) omits without lawful excuse to carry out his duty, or knowingly makes any false declaration, statement or return; or

(b) pretends performance of his duties or obtains or seeks to obtain information which he is not authorised to obtain; or

(c) fails to keep inviolate the secrecy of the information gathered or entered in the information schedules collected pursuant to this Act and, except as permitted under this Act, divulges the contents of any schedule filled in or any information furnished by any informant under this Act,

shall be punishable with simple imprisonment for a term which may extend to six months or with a fine which may extend to two thousand rupees or, in the case of a company, with a fine which may extend to ten thousand rupees or with both.

Penalty for impersonation of employee.

21. Whoever, not being authorised to collect statistics under the provisions of this Act, by words, conduct or demeanor pretends that he is authorised to do so, shall be punishable with simple imprisonment for a term which may extend to six months or with a fine which may extend to two thousand rupees or, in the case of a company, with a fine which may extend to ten thousand rupees or with both.

General penalty.

22. Whoever, commits an offence under this Act for which no penalty is prescribed elsewhere than in this section, shall be punishable with simple imprisonment for a term which may extend to six months or with a fine which may extend to two thousand rupees or, in the case of a company, with a fine which may extend to ten thousand rupees or with both.

23. (1) Where an offence under this Act has been committed by a company, every person who at the time the offence was committed was in charge of, and was responsible to, the company for the conduct of the business of the company, as well as the company, shall be deemed to be guilty of the offence and shall be liable to be proceeded against and punished accordingly:

Offences by companies.

Provided that nothing contained in this sub-section shall render any such person liable to any punishment provided in this Act, if he proves that the offence was committed without his knowledge or that he had exercised all due diligence to prevent the commission of such offence.

(2) Notwithstanding anything contained in sub-section (1), where an offence under this Act has been committed by a company and it is proved that the offence has been committed with the consent or connivance of, or is attributable to, any neglect on the part of any director, manager, secretary or other officer of the company, such director, manager, secretary or other officer shall also be deemed to be guilty of the offence and shall be liable to be proceeded against and punished accordingly.

*Explanation.—*For the purpose of this section—

(a) “company” means any body corporate and includes a firm or other association of individuals; and

(b) “Director”, in relation to a firm, means a partner in the firm.

24. No court shall take cognizance of any offence under this Act except on a complaint made by the appropriate Government or an officer authorised in this behalf by such appropriate Government or, as the case may be, the statistics officer, and no court inferior to that of a Metropolitan Magistrate or a Judicial Magistrate of the first class shall try any offence punishable under this Act.

Cognizance of offences.

25. No prosecution for an offence committed by any informant shall be instituted except by or with the sanction of the statistics officer, and no prosecution for an offence committed by persons other than informants shall be instituted except by or with the consent of the appropriate Government.

Sanction for prosecution for offence.

26. Notwithstanding anything contained in the Code of Criminal Procedure, 1973, all offences under this Act shall be tried in a summary way by a Judicial Magistrate of the first class or by a Metropolitan Magistrate and the provisions of sections 262 to 265 (both inclusive) of the said Code shall, as far as may be, apply to such trial:

Power of court to try cases summarily.

Provided that when in the course of, a summary trial under this section it appears to the Magistrate that the nature of the case is such that it is, for any reason, undesirable to try the case summarily, the Magistrate shall after hearing the parties, record an order to that effect and thereafter recall any witness who may have been examined and proceed to hear or rehear the case in the manner provided by the said Code.

CHAPTER V

POWER IN RESPECT OF CORE STATISTICS

27. Without prejudice to the provisions contained in this Act, the Central Government may, by notification in the Official Gazette, declare from time to time any subject for the collection of statistics of national importance as ‘core statistics’ and make such arrangement, as it may consider necessary, for regulating the collection and dissemination of statistics on the subject so declared.

Power in respect of core statistics.

CHAPTER VI

MISCELLANEOUS

28. The Central Government may give directions to any State Government or Union territory Administration or to any local government that is to say Panchayats or Municipalities, as to the carrying into execution of this Act in the State or Union territory or Panchayats or Municipalities, as the case may be.

Power to give directions.

29. Any statistics officer and any person authorised for the collection of statistics or preparation of official statistics under the provisions of this Act shall be deemed to be a public servant within the meaning of section 21 of the Indian Penal Code, 1860.

Public servants.

Bar of jurisdiction.

30. No civil court shall have jurisdiction to entertain any suit or proceeding in respect of any matter which the appropriate Government or the statistics officer or the agency is empowered by or under this Act to determine, and no injunction shall be granted by any court or other authority in respect of any action taken or to be taken in pursuance of any power conferred by or under this Act.

Protection of action taken in good faith.

31. No suit or other legal proceedings shall lie against the appropriate Government or agency or any statistics officer or other officers or employees in respect of anything which is in good faith done or intended to be done in pursuance of this Act or the rules or directions issued thereunder.

Overriding effect.

32. The provisions of this Act shall have effect notwithstanding anything inconsistent therewith contained in any other law for the time being in force except in relation to the conduct of human population census as per the directions, if any, issued under the Census Act, 1948.

Power to make rules.

33. (1) The Central Government may, by notification in the Official Gazette, make rules for carrying out the provisions of this Act.

(2) In particular, and without prejudice to the generality of the foregoing power, the Central Government may make rules under this section for all or any of the following matters, namely:—

(a) principles for coordinating as effectively as possible to achieve the objectives of section 3 including nomination and registration of statistics officers by the Central Government and also to avoid unnecessary duplication in the collection of statistics;

(b) the terms, conditions and safeguards under which any person or agency or company or organisation or association may be engaged by the appropriate Government for the purpose of collection of statistics under sub-section (3) of section 4;

(c) principles for prescribing the form and manner in which the information may be required to be furnished;

(d) principles for prescribing the manner in which the right of access to documents and the right of entry conferred by section 8 may be exercised; and

(e) any other matter which is to be or may be prescribed under this Act.

(3) Every rule made by the Central Government under this Act shall be laid, as soon as may be after it is made, before each House of Parliament, while it is in session, for a total period of thirty days which may be comprised in one session or in two or more successive sessions, and if, before the expiry of the session immediately following the session or the successive sessions aforesaid, both Houses agree in making any modification in the rule or both Houses agree that the rule should not be made, the rule shall thereafter have effect only in such modified form or be of no effect, as the case may be; so, however, that any such modification or annulment shall be without prejudice to the validity of anything previously done under that rule.

Repeal and savings.

34. (1) The Collection of Statistics Act, 1953 is hereby repealed.

32 of 1953.

(2) Notwithstanding such repeal, anything done or any action taken under the said Act shall be deemed to have been done or taken under the corresponding provisions of this Act.

(3) All rules made under the said Act shall continue to be in force and operate till new rules are made under this Act.

T. K. VISWANATHAN,
Secy. to the Govt. of India.

Working steps for Pooling of ASI data for ASI 2016-17

Pooling of central and state level ASI data for publishing district level estimates is an important activity that need to be performed by each State/UT. Following guidelines provide mechanism for pooling of state and central data at district level in ASI 2016-17.

As per ASI sampling design, adopted in ASI 2016-17:

- (a) The entire census units (i.e. which are completely enumerated, say, c) of a State/UT *plus* all the units from sub-sample 1(say, n_1) and sub-sample 3(say, n_3) in each sample stratum of the State/UT, for which data is collected by NSSO (FOD) and processed by IS WING, DPD, are treated as the **Central Sample** for that State/UT.
- (b) The entire census units of a State/UT plus all the units from sub-sample 2(say, n_2) and sub-sample 4 (say, n_4) in each sample stratum of the State/UT, for which data is collected and processed by State/UT, are treated as the **State Sample**.
- (c) The entire census units of a State/UT plus all the units under the 4 sub-samples belonging to the State/UT are treated as the **Pooled Sample** for that State/UT.

For Census units:

Step 1: The multiplier for all the census units(say, c) are 1.

For Sample units (i.e. which are surveyed through different sub-samples):

Step 2: For the purpose of calculation of multipliers of the remaining sample units ($n_1+n_2+n_3+n_4$) belonging to 4 sub-samples, strata may be formed on the basis of **District x Sector x 3-digit Frame NIC**.

Step 3: Check the sub-sample codes (1/2/3/4), provided by IS WING, DPD, for each of the ($n_1+n_2+n_3+n_4$) sample units (i.e. each unit will have one of the sub-sample codes 1,2,3 or 4).

Step 4: Get the frame size(for the sample sector), say N, for each of these sample strata, from the column ‘cap_n’ in the excel file named ‘<statename>1516.xls’, provided by IS WING, DPD in the CD .

Step 5: Calculate sub-sample wise multiplier in each sample stratum of ith district (say, m_{ijk}) $m_{ijk} = (N/n_{ijk}^*)$, where n_{ijk}^* , the no. of sample units in the kth sub-sample of jth stratum of ith district, to be obtained for each sub-sample by counting the number of sample units with status code (given in Block A item 12) 1,2,3,4,6,9. In this context, the treatment of different status code is as follows:

"

If A12=1,2,3 then the unit is treated as ‘Surveyed case’

If A12=4,6,9 then the unit is treated as ‘Zero case’

If A12=5,7,8 then the unit is treated as ‘Non-response’

Note that

- A closed unit may be given status code as ‘2’ (closed) if the closed factory has at least A,B,C and E block.
- An NOP unit may be given status code as ‘3’ (NOP) if the NOP factory has at least A,B and C block.
- Non-response units (i.e. units with status code 5,7,8 in current year) may be searched in last year for imputation. If available as open unit(i.e. with status code 1) in last year , then all the blocks may be borrowed from last year and in that case the unit may be treated as surveyed unit.

Only surveyed and zero cases are taken for calculating multiplier. That is, n_{ijk}^* , for each sub-sample, will count only the surveyed and zero cases of that sub-sample.

Step 6: The unit wise data for estimating the parameters for c census units and (n_1+n_3) sample units pertaining to central sample will be provided by IS WING, DPD. The individual State/UT need to determine the unit wise parameters for (n_2+n_4) sample units using the data collected by them (on the basis of state sample). In all cases the parameters are to be calculated as per the tabulation programme given.

Step 7: Let y_{il}^c = observed value of parameter y from l -th census unit in i -th district. (To be calculated from the data supplied by IS WING, DPD.

y_{ijkl}^s is the observed value of parameter y from l th sample unit belonging to k th sub-sample of j th stratum of i th district. Here, y_{ijkl}^s values for $k=1$ and 3 (i.e., sub-sample 1 and 3) are to be calculated from the data supplied by IS WING, DPD and for $k=2$ and 4 ((i.e., sub-sample 2 and 4) are to be calculated from the data collected by the State/UT following instruction manual.

Step 8: Pooled stratum level estimator

Pooled estimator for j -th stratum of the i th district from k -th sub-sample(say, t_{ijk}) =

$$\sum_l y_{ijkl}^s \times m_{ijk}, k=1,2,3,4$$

where m_{ijk} is the multiplier of k -th sub-sample in j -th stratum of i th district (obtained as per step 5).

Next, **pooled estimator of parameter y for j-th stratum of ith district (say, S_{ij})** = $\frac{1}{n} \sum_{k=1}^n t_{ijk}$ where n (≤ 4) is number of non-void subsamples in j -th stratum. While calculating the pooled

estimates, please keep in mind the value of 'n'. The value of 'n' will be decided on the basis of non-void sub-samples.

Pooled estimator of variance of the parameter y for j-th stratum of ith district (say, V_{ij}) =

$$\frac{1}{n(n-1)} \sum_{k=1}^n (t_{ijk} - \bar{t}_{ij})^2$$

$$\text{where, } \bar{t}_{ij} = \frac{1}{n} \sum_{k=1}^n t_{ijk} \quad (\text{Note that, } S_{ij} = \bar{t}_{ij})$$

Step 9: Pooled District level estimator

Pooled estimator of parameter y for i-th district (say, T_i) = $\sum_j S_{ij} + \sum_l y_{il}^c$. The 1st part i.e.,

$\sum_j S_{ij}$, will come from stratum-level figure for ith district and the 2nd part, i.e., $\sum_l y_{il}^c$, will come from census units for i-th district.

Estimator of Variance of the pooled estimator of parameter y for i-th district (say, D_i) =

$$\sum_j V_{ij}$$

Estimator of the Relative Standard Error (RSE) of the pooled estimator of parameter y for i-th district

$$= [(\sqrt{D_i})/T_i] \times 100.$$

Step 10: Pooled State level estimator

Finally, **pooled estimator of parameter y for the state (say, T) =** $\sum_i T_i$ and the pooled estimator of variance of parameter y for the state (say, D) will be $\sum_i D_i$.

Estimator of the Relative Standard Error (RSE) of the pooled estimator of parameter y for the state = $[(\sqrt{D})/T] \times 100$.

Note: In the above, any parameter y stands for total of that parameter.

1 Notations:

i = subscript for i-th state.

s = subscript for s-th stratum in the i-th state.

m = subscript for sub-sample (m = 1, 2, 3, 4) [m=1 and 3 for central and 2 and 4 for state].

k = subscript for k-th sample enterprise under a particular stratum.

E = total number of factory **in the sample sector** in a stratum.

e = number of factories surveyed out of total number of factory **in the sample sector** in a stratum.

x, y = observed value of characteristics x, y under estimation.

= estimate of population total X, Y for the characteristics x, y.

Under the above symbols,

Y_{ismk} = observed value of the characteristic y for the k-th enterprise belonging to the m-th sub-

\hat{X}, \hat{Y}

sample for the s-th stratum in the i-th state.

(a) Formulae for estimation of aggregates for a state based on central sample:

Estimation formula for any characteristics of the enterprise **for the sample sector** of the i-th state is:

$${}^C\hat{Y}'_i = \sum_{s=1} \left[\frac{E_{is}}{\sum_{m=1,3} e_{ism}} \left[\sum_{k=1}^{e_{is1}} y_{is1k} + \sum_{k=1}^{e_{is3}} y_{is3k} \right] \right] = \sum_{s=1} \left[\hat{Y}_{is1} + \hat{Y}_{is3} \right] = \sum_{s=1} \sum_{m=1,3} \hat{Y}_{ism} \dots\dots\dots (1)$$

where superscript 'C' in

${}^C\hat{Y}'_i$ stands for central sample.

The formula for corresponding sub-sample wise estimates **for the sample sector** of the i-th state is:

$${}^c\hat{Y}'_{im} = \sum_{s=1}^{e_{ism}} \left[\frac{E_{is}}{e_{ism}} \sum_{k=1}^{e_{ism}} y_{ismk} \right], \quad m=1,3. \quad \dots \quad (1.1)$$

If \hat{Y}_i'' be the corresponding estimate for that characteristic of the enterprise **for the census sector** of the i-th state, then the estimate for that characteristic of the enterprise for the i-th state **as a whole** based on the central sample is given by:

$${}^c\hat{Y}_i = {}^c\hat{Y}'_i + \hat{Y}_i'' \quad \dots \quad (2)$$

The estimate of the characteristic of the enterprise for all-India will be:

$${}^c\hat{Y} = \sum_i {}^c\hat{Y}_i \quad \dots \quad (3)$$

(b) Formulae for estimation of aggregates for a state based on state sample:

Estimation formula for any characteristics of the enterprise **for the sample sector** of the i-th state **based on state sample** is:

$${}^s\hat{Y}'_i = \sum_{s=1}^{e_{ism}} \left[\frac{E_{is}}{\sum_{m=2,4} e_{ism}} \left[\sum_{k=1}^{e_{is2}} y_{is2k} + \sum_{k=1}^{e_{is4}} y_{is4k} \right] \right] = \sum_{s=1}^{e_{ism}} [\hat{Y}_{is2} + \hat{Y}_{is4}] = \sum_{s=1} \sum_{m=2,4} \hat{Y}_{ism} \quad \dots \quad (4)$$

where superscript ‘S’ in ${}^s\hat{Y}'_i$ stands for state sample.

The formula for sub-sample wise estimates **for the sample sector** of the i-th state **based on state sample** is:

$${}^s\hat{Y}'_{im} = \sum_{s=1}^{e_{ism}} \left[\frac{E_{is}}{e_{ism}} \sum_{k=1}^{e_{ism}} y_{ismk} \right], \quad m=2,4. \quad \dots \quad (4.1)$$

Using \hat{Y}_i'' as the corresponding estimate for that characteristic of the enterprise **for the census sector** of the i-th state, then the estimate for that characteristic of the enterprise for the i-th state **as a whole** based on the state sample is given by:

$${}^s\hat{Y}_i = {}^s\hat{Y}'_i + \hat{Y}_i'' \quad \dots \quad (5)$$

(c) Formulae for estimation of aggregates for a state based on pooled sample:

Estimation formula for any characteristics of the enterprise **for the sample sector** of the i-th state **based on pooled sample (i.e., central and state combined)** is:

$${}^P\hat{Y}'_i = \sum_{s=1}^{e_{ism}} \left[\frac{E_{is}}{\sum_{m=1}^4 e_{ism}} \left[\sum_{m=1}^4 \sum_{k=1}^{e_{ism}} y_{ismk} \right] \right] \quad \dots \quad (6)$$

Using \hat{Y}_i'' as the corresponding estimate for that characteristic of the enterprise **for the census sector** of the i -th state, then the estimate for that characteristic of the enterprise for the i -th state **as a whole** based on the pooled sample is given by:

$${}^P\hat{Y}_i = {}^P\hat{Y}'_i + \hat{Y}''_i \quad \dots \quad (7)$$

The above equations are given for generating the estimates for the State. However, similar treatment may be given or same equations may be used in generating the estimates at district level.

AII.4.2 Estimates of Ratios:

Let \hat{Y} and \hat{X} be the overall estimate of the aggregates Y and X for two characteristics y and x , respectively at the State/ UT/ all-India level.

Then the combined ratio estimate (\hat{R}) of the ratio ($R = \frac{Y}{X}$) will be obtained as

$$\hat{R} = \frac{\hat{Y}}{\hat{X}}.$$

AII.4.3 Estimates of Error for Aggregate \hat{Y} : The variance is to be obtained for the sample sector units only. The estimated variances of the estimates at state level will be as follows:

$$V\hat{a}r(\hat{Y}_i) = \sum_s V\hat{a}r(\hat{Y}_{is}) \quad \dots \quad (8)$$

The sampling variance based on central Samples is:

$$V\hat{a}r(\hat{Y}_i) = \sum_s \{(\hat{Y}_{is1} - \hat{Y}_{is3}) / 2\}^2 \quad \dots \quad (9.1)$$

The sampling variance based on state Samples is:

$$V\hat{a}r(\hat{Y}_i) = \sum_s \{(\hat{Y}_{is2} - \hat{Y}_{is4}) / 2\}^2 \quad \dots \quad (9.2)$$

For generating estimates of variance for the pooled sample is:

$$V\hat{a}r(\hat{Y}_i) = \frac{1}{12} \sum_s \sum_{m=1}^4 (\hat{Y}_{ism} - \hat{Y}_{is})^2, \text{ where } \hat{Y}_{is} = \frac{1}{4} \sum_{m=1}^4 \hat{Y}_{ism} \dots (9.3)$$

For all-India, the estimated variances of the estimates of different types will be as follows:

$$V\hat{a}r(\hat{Y}) = \sum_i V\hat{a}r(\hat{Y}_i) \quad \dots \quad (10)$$

AI.4.4 For ratio \hat{R} :

For \hat{R} at all-India based on central sample (i.e. sub-sample 1 and 3) is,

$$\begin{aligned} M\hat{SE}(\hat{R}) &= \frac{1}{(\hat{X})^2} [\hat{V}(\hat{Y}) - 2\hat{R} Co\hat{v}(\hat{X}, \hat{Y}) + \hat{R}^2 \hat{V}(\hat{X})] \dots\dots\dots (11) \\ &= \frac{1}{\hat{X}^2} \sum_s \left[\sum_{m=1,3} (\hat{Y}_{sm} - {}^c\hat{Y}_s)^2 - 2\hat{R} \sum_{m=1,3} (\hat{Y}_{sm} - {}^c\hat{Y}_s)(\hat{X}_{sm} - {}^c\hat{X}_s) + \hat{R}^2 \sum_{m=1,3} (\hat{X}_{sm} - {}^c\hat{X}_s)^2 \right] \dots(11.1) \end{aligned}$$

where ${}^c\hat{Y}_s = \frac{1}{2} \sum_{m=1,3} \hat{Y}_{sm}$ and ${}^c\hat{X}_s = \frac{1}{2} \sum_{m=1,3} \hat{X}_{sm}$

For \hat{R} at state level from central sample (i.e., for i-th state based on central sample),

$$\begin{aligned} M\hat{SE}(\hat{R}_i) &= \frac{1}{(\hat{X}_i)^2} [\hat{V}(\hat{Y}_i) - 2\hat{R}_i Co\hat{v}(\hat{X}_i, \hat{Y}_i) + \hat{R}_i^2 \hat{V}(\hat{X}_i)] \dots\dots\dots (12) \\ &= \frac{1}{\hat{X}_i^2} \sum_s \left[\sum_{m=1,3} (\hat{Y}_{ism} - {}^c\hat{Y}_{is})^2 - 2\hat{R}_i \sum_{m=1,3} (\hat{Y}_{ism} - {}^c\hat{Y}_{is})(\hat{X}_{ism} - {}^c\hat{X}_{is}) + \hat{R}_i^2 \sum_{m=1,3} (\hat{X}_{ism} - {}^c\hat{X}_{is})^2 \right] \dots(12.1) \end{aligned}$$

where ${}^c\hat{Y}_{is} = \frac{1}{2} \sum_{m=1,3} \hat{Y}_{ism}$ and ${}^c\hat{X}_{is} = \frac{1}{2} \sum_{m=1,3} \hat{X}_{ism}$

For \hat{R} at state level from state sample,

$$M\hat{SE}(\hat{R}_i) = \frac{1}{\hat{X}_i^2} \sum_s \left[\sum_{m=2,4} (\hat{Y}_{ism} - {}^s\hat{Y}_{is})^2 - 2\hat{R} \sum_{m=2,4} (\hat{Y}_{ism} - {}^s\hat{Y}_{is})(\hat{X}_{ism} - {}^s\hat{X}_{is}) + \hat{R}^2 \sum_{m=2,4} (\hat{X}_{ism} - {}^s\hat{X}_{is})^2 \right] \dots(12.2)$$

where ${}^s\hat{Y}_{is} = \frac{1}{2} \sum_{m=2,4} \hat{Y}_{ism}$ and ${}^s\hat{X}_{is} = \frac{1}{2} \sum_{m=2,4} \hat{X}_{ism}$

For \hat{R} at all-India based on pooled sample (i.e. sub-samples 1, 2, 3 and 4) is,

$$M\hat{SE}(\hat{R}) = \frac{1}{12\hat{X}^2} \sum_s \left[\sum_{m=1}^4 (\hat{Y}_{sm} - \hat{Y}_s)^2 - 2\hat{R} \sum_{m=1}^4 (\hat{Y}_{sm} - \hat{Y}_s)(\hat{X}_{sm} - \hat{X}_s) + \hat{R}^2 \sum_{m=1}^4 (\hat{X}_{sm} - \hat{X}_s)^2 \right], \dots\dots\dots (13)$$

where $\hat{Y}_{sm}, \hat{X}_{sm}$ = estimate of aggregate of characteristic Y, X of m-th sub-sample in the s-th stratum and $\hat{Y}_s = \frac{1}{4} \sum_{m=1}^4 \hat{Y}_{sm}$.

AII.4.5 Estimates of RSE:

$$RSE(\hat{Y}) = \frac{\sqrt{Var(\hat{Y})}}{\hat{Y}} \times 100 \quad \dots \dots \dots \quad (9)$$

$$RSE(\hat{R}) = \frac{\sqrt{MSE(\hat{R})}}{\hat{R}} \times 100 \quad \dots \dots \dots \quad (13)$$

AII.4.6 Multipliers for enterprises:

The formulae for multipliers for a stratum are given below:

formula for sub-sample wise multiplier	formula for combined sample multiplier
$\frac{E_{is}}{e_{ism}}, \quad m = 1, 2, 3 \text{ or } 4.$	$\frac{E_{is}}{e_{is}}, \quad e_{is} = \sum_{m=1}^4 e_{ism}$

AII.4.7 Treatment for surveyed cases and casualty cases:

AII.4.7.1 Casualty cases: The casualty case may occur in cases where the unit is existing but non-response due to closure and owner/occupier is not traceable (code 5), non-response due to production not yet started or accounting year not closed during the year (code 7) or non-response due to other reasons [incl. relevant records are with court/Incom e tax or recalcitrant/refuse to submit the return department, etc, or factory under prosecution in respect of earlier ASI] (code 8). Thus, the units with survey codes 5, 7 and 8 as per Item 12, Block A are treated as casualties. Moreover, if for the units that are found ‘closed’ or ‘NOP’, the relevant information are not available, those will be treated as casualty in counting the number of surveyed units (e_{ism}).

AII.4.7.2 Imputation of data from past survey for casualty units: In case any units in the census sector becomes casualty, information in respect of all the characteristics may be borrowed from the previous year, if available, for the census sector units belonging to that post-survey stratum of State By District By 4-Digit of NIC. Sometimes, this is also followed in case of sample units which are casualty but information on various characteristics for previous year of those units is available.

AII.4.7.3 While counting the number of units surveyed (e_{ism}) in the m -th sub-sample of a stratum, all the units with survey codes 1 to 9 in Item 12, Block A excluding the casualty cases will be considered.

AII.4.8 Treatment in cases of void strata

AII.4.8.1 A stratum may be void because of the casualty of all the units belonging to the stratum. This may occur in one sub-sample or more subsamples. If it relates to only one sub-

sample, then estimate for the void stratum may be replaced with the estimate as obtained from the other sub-sample for the same stratum separately for central and state. All the various cases are discussed below:

AII.4.8.2 When a stratum is void in the sub-samples 1 and 3, the following procedure is recommended:

Case (I): Sample sector is void, but Census sector is not void:

The estimated figures in respect of all the characteristics obtained for the census sector may be assumed to hold good for each of the units in the sample sector and accordingly, the estimate for the sample sector may be obtained. For example, if there are n units in the sample sector in a particular stratum, then the estimated figure per census units (i.e., average figures) for a characteristic will be multiplied by n to obtain the estimate for the sample sector in that stratum.

Case (II): Both the Sample sector and Census sector are void:

The stratum may be merged with the nearest stratum looking into the description of the 4-digit NIC activity, or else it could be merged with the 4-digit NIC activity ‘others’ within that 4-digit NIC group.

AII.4.8.3 The treatment will be similar if the stratum is void in the sub-samples 2 and 4 to generate estimate from the state sample. If only one sub-sample (out of sub-sample 2 and 4) is void, then estimate for the void stratum may be replaced with the estimate as obtained from the other sub-sample for the same stratum as is mentioned in earlier paragraph. It may be possible that in a particular stratum, sub-samples 1 and 3 are void but sub-samples 2 and 4 are not void or conversely sub-samples 1 and 3 are not void but sub-samples 2 and 4 are void. In the former case merging of stratum may be required in generating central sample estimates while that is not required in generating estimates from state sample. In the later case merging of stratum is required in generating state sample estimate while merging is not required in generating estimates from central sample. In such cases for generating pooled estimate, merging is also not required. The stratum merging in generating pooled estimate is required only when all the four sub-samples in a stratum are void. The same merging principle, which is mentioned in earlier paragraph, is to be followed in such cases.

CONFIDENTIAL

Government of India
 Ministry of Statistics and Programme Implementation
 Return under Collection of Statistics Act, 2008 as amended in 2017 and rules framed there under in 2011
 Annual Survey of Industries 2016-2017 (Part -I)
(Please read the instructions before filling the return)

Block A: Identification particulars (for official use)					
1. Schedule Despatch (DSL) No.					
2. PSL No.					
3. Scheme code (<i>Census-1, Sample-2</i>)					
4. Industry code as per frame <i>(4-digit level of NIC-2008)</i>					
5. Industry code as per return <i>(5-digit level of NIC-2008)</i>					
6. Description of Industry:					
7. State Code					
8. District Code					
9. Sector (<i>Rural-1, Urban-2</i>)					
10. RO /SRO code					
11. No. of Units					
12. Status of Unit (<i>Code</i>)					

Block B: Particulars of the factory (to be filled by owner of the factory)					
1. Name and address of the Industrial undertaking:	1.1 Vill./Town:				
	1.2 District name:				
	1.3 State name:				
	1.4 PIN Code				
2. Type of organisation (<i>code</i>)					
3. Corporate Identification Number (CIN)					
4. Whether the unit has ISO Certification, 14000 Series <i>(yes-1, no-2)</i>					
5. Year of initial production					
6. Accounting year (<i>..... to</i>)					to
7. Number of months of operation					
8. Whether the share capital of the company includes share of foreign entities <i>(yes-1, no-2)</i>					
9. Any R&D unit in your factory? <i>(yes & registered with DST/DBT-1, yes & registered with others-2, no-3)</i>					
10. Details of contact person	i) Name & designation:				
	ii) Tele (with STD code)				
	iii) FAX no.				
	iv) E-mail				

DECLARATION

I hereby declare that information furnished in this return is correct and complete to the best of my knowledge and belief.

Date :

Place :

(Name and Signature of owner with stamp)

DSL No PSL No

Block C: FIXED ASSETS												
Sl. No.	Type of Assets	Gross value (Rs.)				Depreciation (Rs.)				Net value (Rs.)		
		Opening as on -----	Addition during the year	Due to revaluation	Actual additions	Deduction & adjustment during the year	Closing as on ----- (cols. 3+4+5-6)	Up to year beginning	Provi- ded during the year	Adjustment for sold/ discarded during the year	Up to year end (cols. 8+9 -10)	Opening as on ----- (cols. 3- 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1.	Land											
2.	Building											
3.	Plant & Machinery											
4.	Transport equipment											
5.	Computer equipment including software											
6.	Pollution control equipment/ Environment improvement equipment											
7.	Others											
8.	Sub-total (items 2 to 7)											
9.	Capital work in progress											
10.	Total (items 1+8+9)											

Block D: WORKING CAPITAL AND LOANS

Sl. No.	Items	Opening (Rs.)	Closing (Rs.)
(1)	(2)	(3)	(4)
1.	Raw Materials & Components and Packing materials		
2.	Fuels & Lubricants		
3.	Spares, Stores & others		
4.	Sub-total (items 1 to 3)		
5.	Semi-finished goods/work in progress		
6.	Finished goods		
7.	Total inventory (items 4 to 6)		
8.	Cash in Hand & at Bank		
9.	Sundry Debtors		
10.	Other current assets		
11.	Total current assets (items 7 to 10)		
12.	Sundry Creditors		
13.	Over draft, cash credit, other short term loan from banks & other financial institutions		
14.	Other current liabilities		
15.	Total current liabilities (items 12 to 14)		
16.	Working Capital (item 11-item 15)*		
17.	Outstanding loans (excluding interest but including deposits)**		

Note:

* Give reasons in the footnote for negative values and abnormal verification in opening and closing values.

** If outstanding loans include interest, a footnote may be given

DSL No PSL No

Block E: EMPLOYMENT AND LABOUR COST							
Sl. No.	Category of staff	Man-days worked			Average number of persons worked	No. of mandays paid for	Wages/ salaries (in Rs.)
		Manu- facturing	Non Manufacturing	Total			
1	2	3	4	5	6	7	8
Part A: Details for each category of staff							
1.	Male workers employed directly						
2.	Female workers employed directly						
3.	Sub-total (items 1 + 2)						
4.	Workers employed through contractors						
5.	Total workers (items 3 + 4)						
6.	Supervisory & managerial staff						
7.	Other employees						
8.	Unpaid family members/ proprietor/ coop. members						
9.	Total employees (items 5+6+7+8)						
Part B: Some details for all categories of staff combined							
10.	Bonus (in Rs.)						
11.	Contribution to provident & other funds (in Rs.)						
12.	Workmen & staff welfare expenses (in Rs.)						
13.	Number of working days	(i) Manufacturing days					
		(ii) Non-manufacturing days					
		(iii) Total (i+ ii)					
14.	Total cost of production (in Rs.) [entry in col. 8 of item 9, 10, 11, and 12, block E + entry in col. 3 of item 1, 2(i), 2(ii), 3, 4, 5, 6, 7, 8, 9 & 10, block F + entry in col. 6 of item 23 of block H + entry in col. 6 of item 7, block I]						

DSL No PSL No

Block F : OTHER EXPENSES		
Sl. No.	Items	Expenditure (in Rs.)
(1)	(2)	(3)
O	1. Work done by others on materials supplied by the industrial undertaking	
T	2. Repair & maintenance of	
H	(i) Buildings and other construction	
E	(ii) Other fixed assets	
R	3. Operating expenses	
I	4. Expenses on raw materials and other components for own construction	
N	5. Insurance charges	
P	6. Rent paid for plant & machinery and other fixed assets	
U	7. Expenses on Research & Development (R&D)	
T	8. Rent paid for buildings	
	9. Rent paid for land on lease or royalties on mines, quarries and similar assets	
	10. Interest paid	
	11. Purchase value of goods sold in the same condition as purchased	

Block G: OTHER OUTPUT/RECEIPTS		
Sl. No.	Items	Receipts (in Rs.)
(1)	(2)	(3)
O	1. Receipts from manufacturing services (including work done for others on materials supplied by them and sale value of waste left by the party)	
T	2. Receipts from non-manufacturing services (including non-industrial services)	
H	3. Value of electricity generated and sold	
E	4. Value of own construction	
R	5. Net balance of goods sold in the same condition as purchased. (item 11 of block G minus item 11 of block F)	
O	6. Rent received for plant & machinery and other fixed assets	
U	7. Variation in stock of semi-finished goods (col.4 minus col 3 against item 5 in block D)	
T	8. Rent received for buildings	
P	9. Rent received for land on lease or royalties on mines, quarries and similar assets	
U	10. Interest received	
T	11. Sale value of goods sold in the same condition as purchased	
	12. Other production subsidies	

DSL No PSL No

Block H: Indigenous input items consumed (if needed, additional sheets may be used for recording input items with serial nos. starting from 25)						
Sl. No.	Item description	Item code (NPC-MS)	Unit of quantity	Quantity consumed	Purchase value (in Rs.)	Rate per unit (in Rs.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Major ten basic items (indigenous)					
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.	Other basic items (indigenous)*	9920100				
12.	Total basic items (items 1 to 11)	9990100				
13.	Non-basic chemicals – all kinds	9920300				
14.	Packing items	9990800				
15.	Electricity own generated	9990400	KWH			
16.	Electricity purchased & consumed	9990500	KWH			
17.	Petrol, diesel, oil, lubricants consumed	9990600				
18.	Coal consumed	9990700	Tonne			
19.	Gas consumed	9990900	KG			
20.	Other fuel consumed	9920400				
21.	Consumable store	9922000				
22.	Total non-basic items (items 13 to 21)	9992000				
23.	Total inputs (items 12+ 22)	9993000				
24.	Any additional requirement of electricity (unmet demand)	9999999	KWH			

* Full description of items not in NPC-MS 2011 (Revised):

Block I: Imported input items consumed - directly only (if needed, additional sheets may be used for recording input items with serial nos. starting from 8)						
Sl. No.	Item description (Major five imported items)	Item code (NPC-MS)	Unit of quantity	Quantity consumed	Purchase value (in Rs.)	Rate per unit (in Rs.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.						
2.						
3.						
4.						
5.						
6.	Other imported items	9922100				
7.	Total imports (consumed) (items 1 to 6)	9994000				

Block J: Products and by-products manufactured by the unit (if needed, additional sheets may be used for recording output items with serial nos. starting from 14)												
Sl. No.	Products/By-products description (First ten major items as per value - no brand name)	Item code (NPC-MS)	Unit of quantity	Quantity manufactured	Quantity sold	Gross sale value (Rs)	Distributive expenses (Rs.)				Ex-factory value of quantity manufactured (Rs.) (col.12× col.5)	
							Excise duty	Sales tax/ VAT	Others	Subsidy (-)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1.												
2.												
3.												
4.												
5.												
6.												
7.												
8.												
9.												
10.												
11.	Other products/by-products*	9921100										
12.	Total (items 1 to 11)	9995000										
13.	Share (%) of products/by-products directly exported											

* Full description of items not in NPC-MS 2011 (Revised):

DSL No						PSL No			
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Annexure 3

Block K: Information and Communication technology (ICT) usage		
Sl. No.	ICT indicator	yes-1, no-2
1.	Did the factory use computer/s during FY 2016-17?	
2.	Did the factory use the internet during FY 2016-17?	
3.	Did the factory have a website as on the date of survey?	
4.	Did the factory receive orders via the internet during FY 2016-17?	
5.	Did the factory place orders for business purpose via the internet during FY 2016-17?	
6.	Did the factory connect to the internet either by a. Narrowband or b. Fixed broadband or c. Mobile broadband during FY 2016-17?	
7.	Does the factory have a local area network (LAN) as on the date of survey?	

Block L: Energy Conservation (EC) measures		
Sl. No.	EC indicator	yes-1, no-2
Have any measures been taken during last financial year with regard to:		
1.	Electrical saving?	
2.	Coal saving?	
3.	Oil saving?	
4.	Gas saving?	

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Block M: Particulars of field operations					
1.	Name of Superintending Officer		5.	Date of receipt from factory	
2.	Signature of Superintending Officer		6.	Date of verification/compilation	
3.	Name & Designation of Scrutinising Officer		7.	Date(s) of scrutiny	
4.	Signature of Scrutinising Officer		8.	Date of despatch	

Block N: Comments of Superintending Officer/Scrutinising Officer	
<p><i>Note: Reasons for negative working capital and for any abnormal values or entries (high or low) in respect to important characteristics (Such as GVA, working capital, wage rate, number of workers, distributive expenses, depreciation etc.) should be given invariably. For instance the reasons for high GVA could be increased demand/production, profit, govt. subsidy; or for low GVA, the reasons could be decreased demand/production, capacity under-utilization, high input cost etc. similarly reasons for any abnormal values of certain important ratios eg. Ratio of output to input, ratio of depreciation/distributive expenses to output etc should be given.</i></p> <p>Please refer to detailed instructions also for further guidance.</p>	

Concepts, Definitions and Procedures

Important concepts and definitions used in ASI are explained below.

1. A number of accounting, economic and other terms related to the factories are used in conduct of Annual Survey of Industries. For proper assessment and interpretation of ASI data, those are given below.

2. ***Accounting Year:*** For the purpose of ASI, the accounting year is the period on which the factory closes its books of account. With the enactment of Income Tax Act, by and large, the accounting year of all factories is from April to March.

3. ***Reference Period:*** It corresponds to the financial year. For example, for ASI 201 - 201 the reference period is the financial year commencing from 1st April 201 and ending on 31st March 201 or the accounting year of the factory ending on any date between 01.04.201 to 31.03.201 .

4. ***Survey Period*** *u* *V* *o@* *U*

5. ***Factory (as per the Factory Act 1948):*** Factory is one, which is registered under Sections 2m(i) and 2m(ii) of the Factories Act, 1948. The Sections 2m(i) and 2m(ii) refer to any premises including the precinct thereof (i) wherein ten or more workers are working, or were working on any day of the preceding twelve months, and in any part of which a manufacturing process is being carried on with the aid of power, or is ordinarily so carried on, or (ii) wherein twenty or more workers are working, or were working on any day of the preceding twelve months and in any part of which a manufacturing process is being carried on without the aid of power, or is ordinarily so carried on. Closed factories with fixed assets on site are also considered as registered factories till they are de-registered and removed from the live-register maintained by the Chief Inspector of Factories (CIF) in the State.

6. ***Manufacturing Process:*** This is as per Section 2(k) of the Factories Act, 1948, and briefly mentioned in Section 1.

7. ***Gross Value of Plant and Machinery:*** Gross value of plant and machinery represents the total original (un-depreciated) value of installed plant and machinery as at the end of the accounting year. It includes the book value of own constructed plant and machinery, if installed, and the approximate value of rented-in plant and machinery as at the time of renting in but excludes the value of rented-out plant and machinery. Total value of all the plant and machinery acquired on hire-purchase basis is also included. Thus it represents the gross value of plant and machinery engaged in production process.

8. Fixed Capital: Fixed Capital represents the depreciated value of fixed assets owned by the factory as on the closing day of the accounting year. Fixed assets are those, which have normal productive life of more than one year. Fixed capital covers all type of assets, new or used or own constructed, deployed for productions, transportation, living or recreational facilities, hospitals, schools, etc. for factory personnel. It would include land, building, plant and machinery, transport equipment etc. It includes the fixed assets of the head office allocable to the factory and also the full value of assets taken on hire-purchase basis (Whether fully paid or not) excluding interest element. It excludes intangible assets and assets solely used for post-manufacturing activities such as, sale, storage, distribution, etc.

9. Depreciation: Depreciation is consumption of fixed capital by the factory due to wear and tear and obsolescence during the accounting year and is taken as provided by the factory owner, or if not provided by the factory this is estimated on the basis of cost of installation and working life of the fixed assets.

10. Finished Goods: Finished Goods are those, which are manufactured by the factory for sale. Finished goods should conform to a prescribed standard.

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

12. Working Capital: Working Capital is the sum total of the physical working capital as already defined above and the cash deposits in hand and at bank, land, the net balance of amounts receivable over amounts payable at the end of the accounting year. Amounts receivable include value of credit items on revenue account, such as sums due to the factory for goods sold, amounts advanced in connection with normal factory work, bills of exchange payable to the factory, payments made in advance such as for fire insurance, telephone charges, rates and taxes, call deposits and security deposits having a normal life of less than one year, etc. It excludes unused overdraft facility, fixed deposits irrespective of duration, advances for acquisition of fixed assets, long-term loans including interest thereon and investment.

13. Invested Capital: Invested capital is the total of fixed capital and physical working capital.

14. Productive Capital: This is the total of fixed capital and working capital.

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

16. **Contract Worker:** All persons who are not employed directly by an employer but through the third agency, i.e. contractor, are termed as contract workers. Those workers may be employed with or without the knowledge of the principal employer.

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

18. **Labour Turnover:** Labour turnover measures the extent of change in the working force due to accession and separation during a given period. The term 'accession' was defined as the total number of workers added to employment during the period, whether new or re-employed or transferred from other establishments or units under the same management. Inter-departmental transfers within the same establishment are, however ignored. The term 'separation' implies termination of employment at the instance of worker or employers. It includes termination of services due to death or retirement. As in the case of accession, transfers to other establishments are included but transfers within the same establishment are ignored. Retrenchment as a result of rationalization or modernization or any other cause, is also treated as separation.

19. **Wages:** Wages are defined to include all remuneration capable of being expressed in monetary terms and also payable/paid more or less regularly in each pay period to workers (defined above) as compensation for work done during the accounting year. It **includes**:

- (i) Direct wages and salary (i.e. basic wages/salaries, payment of overtime, dearness, compensatory, house rent and other allowances);
- (ii) Remuneration for period not worked (i.e. basic wages), salaries and allowances payable for leave period, paid holidays, lay-off payments and compensation for unemployment (if not paid from source other than employers);
- (iii) Bonus and ex-gratia payment paid both at regular and less frequent intervals (i.e., incentive bonuses and good attendance bonuses, production bonuses, profit sharing bonuses, festival or yearend bonuses etc.).

It **excludes** layoff payments and compensation for employment except where such payments are for this purpose, i.e., payments not made by the employer. It **excludes** employer's contribution to old age benefits and other social security charges, direct expenditure on maternity benefits and creches and other group benefit in kind and travelling and other expenditure incurred for business purposes and reimbursed by the employer. The wages are expressed in terms of gross value, i.e., before deductions for fines, damages, taxes, provident fund, employee's state insurance contribution etc. Benefits in kind (perquisites) of individual nature are only **included**.

20. **Bonus:** Profit sharing bonus, festival bonus, year-end bonus, and all other bonuses and ex-gratia payments paid at less frequent intervals are covered by this term.

21. **Workmen and Staff Welfare Expenses:** These include expenditure incurred by the employer on the maternity benefits and crèches and other benefits such as supply of food, beverages, tobacco, clothing and group lodging at confessional rates and educational, cultural and recreational facilities and services and grants to trade unions and cooperative stores meant for employees. All group benefits are included.

22. **Emoluments:** These are defined in the same way as wages but paid to all employees plus imputed value of benefits in kind i.e. the net cost to the employers on those goods and services provided to employees free of charge or at markedly reduced cost which are clearly and primarily of benefit to the employees as consumers. It includes profit sharing, festival and other bonuses and ex-gratia payments paid at less frequent intervals (i.e. other than bonus paid more or less regularly for each period). Benefits in kind include supplies or services rendered such as housing, medical, education and recreation facilities. Personal insurance, income tax, house rent allowance, conveyance etc. for payment by the factory also is included in the emoluments.

23. **Supplements to Emoluments:** These include: (i) employer's contribution to old age benefits, i.e., provident fund, pension, gratuity, etc.; (ii) employer's contribution towards other social security charges such as Employees' State Insurance, compensation for work injuries, occupational diseases, maternity benefits, retrenchment and lay-off benefits etc.; and (iii) group benefits like direct expenditure on maternity, crèches, canteen facilities, educational, cultural and recreational facilities and grant to trade unions, co-operative stores etc. meant for employees.

24. **Compensation of Employees:** Compensation of employees is the total of emoluments and supplement to emoluments.

25. **Mandays Worked:** These are obtained by summing up the number of mandays worked by persons working in each shift over all the shifts on all days, i.e. both manufacturing and non-manufacturing days. This figure excludes persons who are paid but remain on leave, strike, etc.

26. **Mandays Paid For:** The number of mandays paid for is arrived at by summing up the number of employees paid for in each shift. This also includes mandays on weekly schedule holidays if paid for and those absences with pay as also mandays lost through lay off/ strike for which compensation was payable.

27. **Working Day:** Working day means the days on which a manufacturing process and/ or repair or maintenance work was carried on.

28. **Non-working Day:** Apart from manufacturing day and repair and maintenance days there may be some non-working days. Non working days are those days on which the workers give their attendance but due to non-availability of raw materials power etc. no effective work is done. As the workers are paid for these days such days are also taken into account for the purpose of labour statistics.

29. Basic Materials: Basic materials are the materials which are important and of key nature to the industry, on which the manufacturing process is based, viz. metal for machine, leather for shoe. Such material is not lost through the process of production but only changes its forms.

30. Consumable Stores: All such materials which assist the manufacturing process and loose their identity without entering the products are called consumable stores, e.g., cotton waste.

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

32. Materials Consumed: Materials consumed represent the total delivered value of all items of raw materials, components, chemicals, packing materials and stores which actually entered into the production process of the factory during the accounting year. It also includes the cost of all the materials used in the production of fixed assets, including construction work for factory's own use. Components and accessories fitted as purchased with the finished product during the accounting year are also to be included. It excludes intermediate products. Intermediate products in the above context mean all those products which are produced by the factory and consumed for further manufacturing process.

33. Total Input: This comprises gross value of fuel materials etc. consumed (as defined above) and also other inputs viz. (a) cost of non-industrial services received from others (b) cost of materials consumed for repair and maintenance of factory's fixed assets including cost of work done by others to the factory's fixed assets (c) cost of contract and commission work done by others on materials supplied by the factory (d) cost of office supplies and products reported for sale during last year & used for further manufacture during the accounting year.

34. Intermediate Product: Intermediate Product is a product which is obtained during a manufacturing process, which may or may not be saleable and is not the intended final product.

35. Net Value of Semi-Finished Goods: It represents the excess/deficit of value of semi-finished goods and/or goods-in-process at the end of the accounting year over that at the beginning of year.

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

37. Gross Output: Gross output is defined to include the ex-factory value, (i.e., exclusive of taxes, duties, etc. on sale and inclusive of subsidies etc., if any) of products and by-products

manufactured during the accounting year, and the net value of the semi-finished goods, work-in-process, (represents the excess/deficit of value of semi-finished goods or work-in-process at the end of the accounting year over that of the beginning of the year plus net balance of semi-finished fixed assets on factory's capital account) and also the receipts for industrial and non-industrial services rendered to others, value of semi-finished goods of last year sold in the current year, sale value of goods sold in the same condition as purchased and value of electricity generated and sold. Value of gross output and total output has been used in the text interchangeable to mean the same thing.

38. Industrial Services: Any services taken or rendered from one to another unit resulting in increase in the value of material during the manufacturing process are industrial services.

39. Non-Industrial Services: All such services which do not have a direct bearing on the manufacturing process but are needed by any manufacturing unit are called non-industrial services, say, transport.

40. Net Value Added: This is the increment to the value of goods and services that is contributed by the factory and is obtained by deducting the value of total inputs and depreciation from gross value of output.

Annexure -5 : List of NIC-2008 4-digit codes covered under ASI

Description	NIC-4 digit	Sector	Remarks
0163 - Post-harvest crop activities	0163	F	NIC 01632 is under coverage only.
0164 - Seed processing for propagation	0164	F	NIC 01640 is under coverage only.
0893 - Extraction of salt	0893	F	NIC 08932 is under coverage only.
1010 - Processing and preserving of meat	1010	F	
1020 - Processing and preserving of fish, crustaceans and molluscs	1020	F	
1030 - Processing and preserving of fruit and vegetables	1030	F	
1040 - Manufacture of vegetable and animal oils and fats	1040	F	
1050 - Manufacture of dairy products	1050	F	
1061 - Manufacture of grain mill products	1061	F	
1062 - Manufacture of starches and starch products	1062	F	
1071 - Manufacture of bakery products	1071	F	
1072 - Manufacture of sugar	1072	F	
1073 - Manufacture of cocoa, chocolate and sugar confectionery	1073	F	
1074 - Manufacture of macaroni, noodles, couscous and similar farinaceous products	1074	F	
1075 - Manufacture of prepared meals and dishes	1075	F	
1079 - Manufacture of other food products n.e.c.	1079	F	
1080 - Manufacture of prepared animal feeds	1080	F	
1101 - Distilling, rectifying and blending of spirits	1101	F	
1102 - Manufacture of wines	1102	F	
1103 - Manufacture of malt liquors and malt	1103	F	
1104 - Manufacture of soft drinks; production of mineral waters and other bottled waters	1104	F	
1200 - Manufacture of tobacco products	1200	B	
1311 - Preparation and spinning of textile fibres	1311	F	
1312 - Weaving of textiles	1312	F	
1313 - Finishing of textiles	1313	F	
1391 - Manufacture of knitted and crocheted fabrics	1391	F	
1392 - Manufacture of made-up textile articles, except apparel	1392	F	
1393 - Manufacture of carpets and rugs	1393	F	
1394 - Manufacture of cordage, rope, twine and netting	1394	F	
1399 - Manufacture of other textiles n.e.c.	1399	F	
1410 - Manufacture of wearing apparel, except fur apparel	1410	F	
1420 - Manufacture of articles of fur	1420	F	
1430 - Manufacture of knitted and crocheted apparel	1430	F	
1511 - Tanning and dressing of leather; dressing and dyeing of fur	1511	F	
1512 - Manufacture of luggage, handbags and the like, saddlery and harness	1512	F	
1520 - Manufacture of footwear	1520	F	
1610 - Sawmilling and planing of wood	1610	F	
1621 - Manufacture of veneer sheets and wood-based panels	1621	F	
1622 - Manufacture of builders' carpentry and joinery	1622	F	
1623 - Manufacture of wooden containers	1623	F	
1629 - Manufacture of other products of wood; manufacture of articles of cork, straw and plaiting materials	1629	F	

Annexure -5 : List of NIC-2008 4-digit codes covered under ASI

Description	NIC-4 digit	Sector	Remarks
1701 - Manufacture of pulp, paper and paperboard	1701	F	
1702 - Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	1702	F	
1709 - Manufacture of other articles of paper and paperboard	1709	F	
1811 - Printing	1811	F	
1812 - Service activities related to printing	1812	F	
1820 - Reproduction of recorded media	1820	F	
1910 - Manufacture of coke oven products	1910	F	
1920 - Manufacture of refined petroleum products	1920	F	
2011 - Manufacture of basic chemicals	2011	F	
2012 - Manufacture of fertilizers and nitrogen compounds	2012	F	
2013 - Manufacture of plastics and synthetic rubber in primary forms	2013	F	
2021 - Manufacture of pesticides and other agrochemical products	2021	F	
2022 - Manufacture of paints, varnishes and similar coatings, printing ink and mastics	2022	F	
2023 - Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	2023	F	
2029 - Manufacture of other chemical products n.e.c.	2029	F	
2030 - Manufacture of man-made fibres	2030	F	
2100 - Manufacture of pharmaceuticals, medicinal chemical and botanical products	2100	F	
2211 - Manufacture of rubber tyres and tubes; retreading and rebuilding of rubber tyres	2211	F	
2219 - Manufacture of other rubber products	2219	F	
2220 - Manufacture of plastics products	2220	F	
2310 - Manufacture of glass and glass products	2310	F	
2391 - Manufacture of refractory products	2391	F	
2392 - Manufacture of clay building materials	2392	F	
2393 - Manufacture of other porcelain and ceramic products	2393	F	
2394 - Manufacture of cement, lime and plaster	2394	F	
2395 - Manufacture of articles of concrete, cement and plaster	2395	F	
2396 - Cutting, shaping and finishing of stone	2396	F	
2399 - Manufacture of other non-metallic mineral products n.e.c.	2399	F	
2410 - Manufacture of basic iron and steel	2410	F	
2420 - Manufacture of basic precious and other non-ferrous metals	2420	F	
2431 - Casting of iron and steel	2431	F	
2432 - Casting of non-ferrous metals	2432	F	
2511 - Manufacture of structural metal products	2511	F	
2512 - Manufacture of tanks, reservoirs and containers of metal	2512	F	
2513 - Manufacture of steam generators, except central heating hot water boilers	2513	F	
2520 - Manufacture of weapons and ammunition	2520	F	
2591 - Forging, pressing, stamping and roll-forming of metal; powder metallurgy	2591	F	

Annexure - : List of NIC-2008 4-digit codes covered under ASI

Description	NIC-4 digit	Sector	Remarks
2592 - Treatment and coating of metals; machining	2592	F	
2593 - Manufacture of cutlery, hand tools and general hardware	2593	F	
2599 - Manufacture of other fabricated metal products n.e.c.	2599	F	
2610 - Manufacture of electronic components and boards	2610	F	
2620 - Manufacture of computers and peripheral equipment	2620	F	
2630 - Manufacture of communication equipment	2630	F	
2640 - Manufacture of consumer electronics	2640	F	
2651 - Manufacture of measuring, testing, navigating and control equipment	2651	F	
2652 - Manufacture of watches and clocks	2652	F	
2660 - Manufacture of irradiation, electromedical and electrotherapeutic equipment	2660	F	
2670 - Manufacture of optical instruments and photographic equipment	2670	F	
2680 - Manufacture of magnetic and optical media	2680	F	
2710 - Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus	2710	F	
2720 - Manufacture of batteries and accumulators	2720	F	
2731 - Manufacture of fibre optic cables	2731	F	
2732 - Manufacture of other electronic and electric wires and cables	2732	F	
2733 - Manufacture of wiring devices	2733	F	
2740 - Manufacture of electric lighting equipment	2740	F	
2750 - Manufacture of domestic appliances	2750	F	
2790 - Manufacture of other electrical equipment	2790	F	
2811 - Manufacture of engines and turbines, except aircraft, vehicle and cycle engines	2811	F	
2812 - Manufacture of fluid power equipment	2812	F	
2813 - Manufacture of other pumps, compressors, taps and valves	2813	F	
2814 - Manufacture of bearings, gears, gearing and driving elements	2814	F	
2815 - Manufacture of ovens, furnaces and furnace burners	2815	F	
2816 - Manufacture of lifting and handling equipment	2816	F	
2817 - Manufacture of office machinery and equipment (except computers and peripheral equipment)	2817	F	
2818 - Manufacture of power-driven hand tools	2818	F	
2819 - Manufacture of other general-purpose machinery	2819	F	
2821 - Manufacture of agricultural and forestry machinery	2821	F	
2822 - Manufacture of metal-forming machinery and machine tools	2822	F	
2823 - Manufacture of machinery for metallurgy	2823	F	
2824 - Manufacture of machinery for mining, quarrying and construction	2824	F	
2825 - Manufacture of machinery for food, beverage and tobacco processing	2825	F	
2826 - Manufacture of machinery for textile, apparel and leather production	2826	F	
2829 - Manufacture of other special-purpose machinery	2829	F	
2910 - Manufacture of motor vehicles	2910	F	

Annexure -5 : List of NIC-2008 4-digit codes covered under ASI

Description	NIC-4 digit	Sector	Remarks
2920 - Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers	2920	F	
2930 - Manufacture of parts and accessories for motor vehicles	2930	F	
3011 - Building of ships and floating structures	3011	F	
3012 - Building of pleasure and sporting boats	3012	F	
3020 - Manufacture of railway locomotives and rolling stock	3020	F	
3030 - Manufacture of air and spacecraft and related machinery	3030	F	
3040 - Manufacture of military fighting vehicles	3040	F	
3091 - Manufacture of motorcycles	3091	F	
3092 - Manufacture of bicycles and invalid carriages	3092	F	
3099 - Manufacture of other transport equipment n.e.c.	3099	F	
3100 - Manufacture of furniture	3100	F	
3211 - Manufacture of jewellery and related articles	3211	F	
3212 - Manufacture of imitation jewellery and related articles	3212	F	
3220 - Manufacture of musical instruments	3220	F	
3230 - Manufacture of sports goods	3230	F	
3240 - Manufacture of games and toys	3240	F	
3250 - Manufacture of medical and dental instruments and supplies	3250	F	
3290 - Other manufacturing n.e.c.	3290	F	
3311 - Repair of fabricated metal products	3311	F	
3312 - Repair of machinery	3312	F	
3313 - Repair of electronic and optical equipment	3313	F	
3314 - Repair of electrical equipment	3314	F	
3315 - Repair of transport equipment, except motor vehicles	3315	F	
3319 - Repair of other equipment	3319	F	
3320 - Installation of industrial machinery and equipment	3320	F	
3510 - Electric power generation, transmission and distribution	3510	E	
3520 - Manufacture of gas; distribution of gaseous fuels through mains	3520	F	
3530 - Steam and air conditioning supply	3530	F	
3600 - Water collection, treatment and supply	3600	F	
3700 - Sewerage	3700	F	
3811 - Collection of non-hazardous waste	3811	F	
3812 - Collection of hazardous waste	3812	F	
3821 - Treatment and disposal of non-hazardous waste	3821	F	
3822 - Treatment and disposal of hazardous waste	3822	F	
3830 - Materials recovery	3830	F	
4520 - Maintenance and repair of motor vehicles	4520	F	
4540 - Sale, maintenance and repair of motorcycles and related parts and accessories	4540	F	NIC 45403 is under coverage only.
5210 - Warehousing and storage	5210	F	
5811 - Book publishing	5811	F	
5812 - Publishing of directories and mailing lists	5812	F	
5813 - Publishing of newspapers, journals and periodicals	5813	F	
5819 - Other publishing activities	5819	F	

Annexure -5 : List of NIC-2008 4-digit codes covered under ASI

Description	NIC-4 digit	Sector	Remarks
5911 - Motion picture, video and television programme production activities	5911	F	
5912 - Motion picture, video and television programme post-production activities	5912	F	
5913 - Motion picture, video and television programme distribution activities	5913	F	
5920 - Sound recording and music publishing activities	5920	F	
7420 - Photographic activities	7420	F	
8292 - Packaging activities	8292	F	
9511 - Repair of computers and peripheral equipment	9511	F	
9512 - Repair of communication equipment	9512	F	
9521 - Repair of consumer electronics	9521	F	
9522 - Repair of household appliances and home and garden equipment	9522	F	
9523 - Repair of footwear and leather goods	9523	F	
9524 - Repair of furniture and home furnishings	9524	F	
9529 - Repair of other personal and household goods	9529	F	
9601 - Washing and (dry-) cleaning of textile and fur products	9601	F	

The Factories Act 1948
[63 of 1948]

AIV.1 "Factory" means any premises including the precincts thereof

- (i) Wherein ten or more workers are working or were working on any day of the preceding twelve months, and in any part of which a manufacturing process is being carried on with the aid of power or is ordinarily so carried on, or,
- (ii) Wherein twenty or more workers are working or were working on any day of the preceding twelve months, and in any part of which a manufacturing process is being carried on without the aid of power or is ordinarily so carried on, but does not include a mine subject to the operation of the Mines Act, 1952, or a railway running shed.

AIV.2 The "Manufacturing Process" referred to above has been defined [vide section 2(k)]

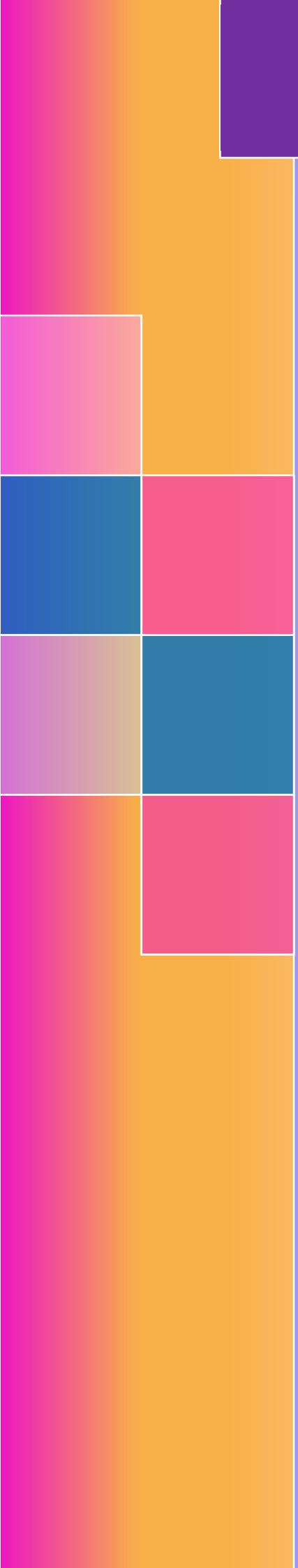
in the Factories Act, 1948

as: "Any process

for-

- (i) making, altering, ornamenting, finishing, packing, oiling, washing, cleaning, breaking up, demolishing or otherwise treating or adapting any article or substance with a view to its use , sale , transport , delivery or disposal; or,
- (ii) pumping oil, water or sewage ;
or,
- (iii) generating, transforming or transmitting power;
or,
- (iv) composing types for printing by letter press, lithography, photogravure or other similar process or book binding; or,
- (v) constructing, reconstructing, repairing, refitting, finishing or breaking up ships or vessels.
- (vi) preserving or storing any article in cold storage"

[Abstract from Factories Act 1948 for ASI]



Department of Economics and Statistics Kerala

Email: ecostatdir@gmail.com, Phone: 0471 2305318

