



Government of Kerala

Report on Annual Survey of Industries
2013-14

Directorate of Economics and Statistics
Kerala

The Annual Survey of Industries (ASI) furnishes information on substantial characteristics that reflects the industrial scenario of Kerala. It is the premier source of industrial statistics in the state. It provides statistical information to assess and evaluate objectively and realistically the changes in the growth, composition and structure of organized manufacturing sector.

From ASI 2010-11 onwards, the survey was being conducted annually under the statutory provisions of the Collection of Statistics (COS) Act, 2008 and the rules framed there-under in 2011. The parameters evaluated in the survey serves as an industrial barometer for the planners and policy makers to devise new strategies and tools for better transformation of industrial sector. The industrial sector is one of the major sectors that play a significant role in elevating the economic status of the state.

The Report on ASI 2013-14 in the State elucidate the salient features of the industry related activities, such as the data on Principal characteristics of the capital structure, district level performance, employment details etc.

State conducted field work in the districts for collecting data from industrial units for the financial year 2013-14. Data collected through field work was processed, validated and tabulated as per the guidelines of Central Statistical Office, Kolkata. The present report is based on the pooled data from 637 sample units surveyed by DES and data from Central Sample units supplied by Central Statistical Office (IS wing), Kolkata.

The report has been prepared by ASI Division of the Directorate of Economics and Statistics under the guidance of Smt E Baby, Director (SDP) and under the leadership of Smt. Sheela P Sankar, Additional Director (State Income).

I extend my heartfelt gratitude to Shri. Rajiv Kumar, SO, SSO (FOD), Kollam for the valuable guidance, all the District Level Officers and field staff for their tireless work to make the survey a success. The co-operation extended by the selected Industrial Units of the survey, technical assistance provided by Central Statistical Office (IS wing), Kolkata and the NSSO (FOD), Thiruvananthapuram are highly commendable.

I hope that this publication will be useful as a reference book in Industrial Statistics. Constructive suggestions to improve this publication are always welcome.

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Highlights

The Annual Survey of Industries (ASI) is the most important source of industrial statistics of the registered/organised manufacturing sector of the economy. Reference period for ASI 2013-14 was the accounting year of the factory, ending on any day during the fiscal year 2013-14 and the survey was conducted in the year 2014-15. Highlights of key results (estimated) of ASI 2013-14 are presented below:

- ☆ Across the State, there are 7,132 factories in the Organised Manufacturing Sector.
- ☆ These units provide employment to 3.47 Lakhs persons during the year 2013-14 and contributed ₹ 13,701.55 Crores of Net Value Added in the Manufacturing sector.
- ☆ Fixed capital invested in the factories was estimated at ₹ 24,545.15 Crores and invested capital at ₹ 40,424.14 Crores.
- ☆ Among the 7,132 units, industry of Manufacturing of Food products tops with 19.9%.
- ☆ Total output worked out as ₹ 1,35,732 Crores. Out of this, 44% of the total output contributed by the Industry of Manufacturing of coke and refined petroleum products.
- ☆ Net Value Added (NVA) is a measure of the relative importance of the industrial sector in the State economy. Net value added for the year 2013-14 was estimated at ₹ 13,701.55 Crores.

Estimate of structural ratios and technical co-efficients for the year 2013-14

Estimates of some important rates and ratios as per ASI 2013-14 are given below. Figures for ASI 2012-13 are shown in the bracket:

Structural Ratios

- ☆ Fixed Capital per factory in operation: ₹406 Lakhs (317)
- ☆ Total no. of persons engaged per factory in operation: 57 (63)
- ☆ Number of workers per factory in operation: 47 (53)
- ☆ Output per factory in operation: ₹ 2,244 Lakhs (2,130)
- ☆ Gross Value Added (GVA) per factory in operation: ₹ 258 Lakhs (228)
- ☆ Net Value Added (NVA) per factory in operation: ₹ 226 Lakhs (199)
- ☆ Output per person engaged: ₹ 39,07,370 (33,70,693)
- ☆ Gross Value Added (GVA) per person engaged: ₹ 4,48,736 (3,60,420)
- ☆ Net Value Added (NVA) per person engaged: ₹ 3,94,432 (3,15,278)
- ☆ Wages per worker: ₹ 1,10,851 (1,04,764)

Technical Co-efficients

- ☆ Fixed Capital to Net Value Added (NVA): 1.79 (1.59)
- ☆ Fixed Capital to Output: 0.18 (0.15)
- ☆ Net Value Added (NVA) to Output: 0.10 (0.09)
- ☆ Gross Value Added (GVA) to Fixed Capital: 0.64 (0.72)
- ☆ Output to Input: 1.13 (1.12)
- ☆ Profit to Output: 0.04 (0.03)

Chapter 1

Introduction

1.1 Scope and Coverage

1.1.1 The Annual Survey of Industries (ASI) has been conducted since 1959 under the Collection of Statistics Act, 1953. From ASI 2010-11, the survey is being conducted under the Collection of Statistics Act, 2008 and Rules, 2011. The Survey is designed to obtain comprehensive and detailed data with the objectives of estimating the contribution of registered manufacturing industries as a whole to national income by type of industry, systematic study of the structure of the industry by type of industry, occasional analysis of the various factors influencing industries in the country to facilitate the construction of comprehensive, factual and systematic 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 are also covered in ASI.

1.1.4 Although the scope of the ASI was extended to all registered manufacturing establishments in the country, establishments under the control of the Defence Ministry, oil storage and distribution units, restaurants and cafes and technical training institutions not producing anything for sale or exchange were kept outside the coverage of the ASI The geographical coverage of the Annual Survey of Industries, 2013-2014 has been extended to the entire country.

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 and belonging to Census Scheme only is, however, permitted to furnish a single consolidated return, termed as 'Joint Return'. Such consolidated returns are a common feature in the case of Bidi & Cigar establishments, electricity and certain public sector undertakings.

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 the 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. On updating, only new registrations are added to the existing frame. In spite of regular updation of the frame, quite a number of small-sized factories selected for the survey found to be non-existing in the field are termed as deleted factories. However, such factories are not taken into consideration for the purpose of tabulation and analysis in this report.

1.3.2 All electricity undertakings other than captive units as well as all departmental undertakings such as Railway workshops, etc. have been kept outside the purview of ASI from 1999-2000 as information on these activities are available from government sources.

1.3.3 It is to be noted that apart from the factories in operation, the ASI frame comprises factories which are categorised as ‘closed units’ and ‘non-operating units’ as defined in paragraph 1.6.2

1.4 Reference Period

1.4.1 Reference period for ASI 2013-2014 was the accounting year of the factory, ending on any day during the fiscal year 2013-2014. Thus in ASI 2013-2014, data collected from establishments relate to their respective accounting years that ended on any day between 1st April 2013 and 31st March 2014. Survey was conducted in the state during June –October 2015.

1.5 Sample Design and Sample Allocation

1.5.1 A new sampling design has been adopted from ASI 2012-13 following the recommendation of Dr. S.L. Shetty Committee and approved by SCIS subsequently in its 23rd meeting. According to the new sampling design, ASI sample comprises two parts - Central

Sample and State Sample. The Central Sample consists of two schemes: Census units and Sample units. Under Census scheme, all the units are surveyed.

(a) Census scheme:

(i) All industrial units belonging to the six less industrially developed states/ UT's viz. Manipur, Meghalaya, Nagaland, Sikkim, Tripura and Andaman & Nicobar Islands.

(ii) For the rest of the states/ UT's., (i) units having 100 or more employees, and (ii) all factories covered under Joint Returns.

(iii) After excluding the Census scheme units, as defined above, all units belonging to the strata (**State x District x Sector x 4 digit NIC-2008**) having less than or equal to 4 units are also considered under Census Scheme. It may be noted that in the formation of stratum, the sectors are considered as Bidi, Manufacturing and Electricity.

(b) All the remaining units in the frame are considered under **Sample Scheme**. For all the states, **each stratum is formed on the basis of State x District x Sector x 4-digit NIC-2008**. The units are arranged in descending order of their number of employees. Samples are drawn as per Circular Systematic Sampling technique for this scheme. An even number of units with a minimum of 4 units are selected and distributed in four sub-samples. It may be noted that each of 4 sub-samples from a particular stratum may not have equal number of units.

(c) Out of these 4 sub-samples, two pre-assigned sub-samples are given to NSSO (FOD) and the other two-subsamples are given to State for data collection.

(d) The entire census units *plus* all the units belonging to the two sub-samples given to NSSO (FOD) are treated as the **Central Sample**.

(e) The entire census units *plus* all the units belonging to the two sub-samples SS2 and SS4 are treated as the **State Sample**. Hence, we used **Census Units collected by NSSO (FOD) and processed by CSO (IS Wing) along with our sub-samples while deriving the district level estimates**.

(f) The entire census 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.

As per the above procedure the total number of factories in Kerala is 7156 out of

which selected 1267 are Census sector units and 637 units are Sample sector units were selected by CSO(IS Wing) and surveyed by NSSO(FOD).637 units selected for survey by DES, Kerala for the year 2013-14.

1.6 Estimation Procedure

1.6.1 The sample design and procedures for estimation of the characteristics are shown in ***Annexure-II***.

1.6.2 The results presented in the publication are based on the state sample data collected and processed by DES. 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 necessary merging at different levels.

1.7 Schedule of Enquiry

1.7.1 The schedule for ASI 2013-2014 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.

1.8 Classification of Industries

1.8.1 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.

1.9 Publications and Limitations

1.9.1 The results of ASI 2013-14 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 Appendix IV. This publication contains tables related to capitals and value added, employment and labour

cost, fuels consumed etc.

1.9.2 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.

1.9.3 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 proper.

1.9.4 As per tabulation policy it has been decided to publish 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

Concepts and Definitions

Important concepts and definitions used in ASI are explained below.

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.

1. **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.
2. **Reference Period:** It corresponds to the financial year. For example, for ASI 2013- 2014 the reference period is the financial year commencing from 1st April 2013 and ending on 31st March 2014 or the accounting year of the factory ending on any date between 01.04.2013 to 31.03.2014.
3. **Survey Period:** Survey period is a period during which work of any Annual Survey of Industries is undertaken. Since ASI 1978-79 the survey period has been fixed from 1st July to 30th June of the next year. From ASI 1998-99 the survey period has been changed from 12 months to 4 months i.e. from Nov'99 to Feb'2000. The survey period for ASI 1999-00 has been again changed from October to March. The survey period for ASI 2013-2014 is from November 2013 to March, 2014.
4. **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.

5. **Manufacturing Process:** This is as per Section 2(k) of the Factories Act, 1948, and briefly mentioned in Section 1.
6. **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.
7. **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.
8. **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.
9. **Finished Goods:** Finished Goods are those, which are manufactured by the factory for sale. Finished goods should conform to a prescribed standard.

- 10. 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.
- 11. 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.
- 12. Invested Capital:** Invested capital is the total of fixed capital and physical working capital.
- 13. Productive Capital:** This is the total of fixed capital and working capital.
- 14. 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.
- 15. 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.

16. 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.

17. 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.

18. 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 crèches 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 concessional 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. Man days Worked: These are obtained by summing up the number of man days 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 man days paid for is arrived at by summing up the number of employees paid for in each shift. This also includes man days on weekly schedule holidays if paid for and those absences with pay as also man days 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 lose 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 inter- changeable 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.

Chapter 3

Summary of Findings

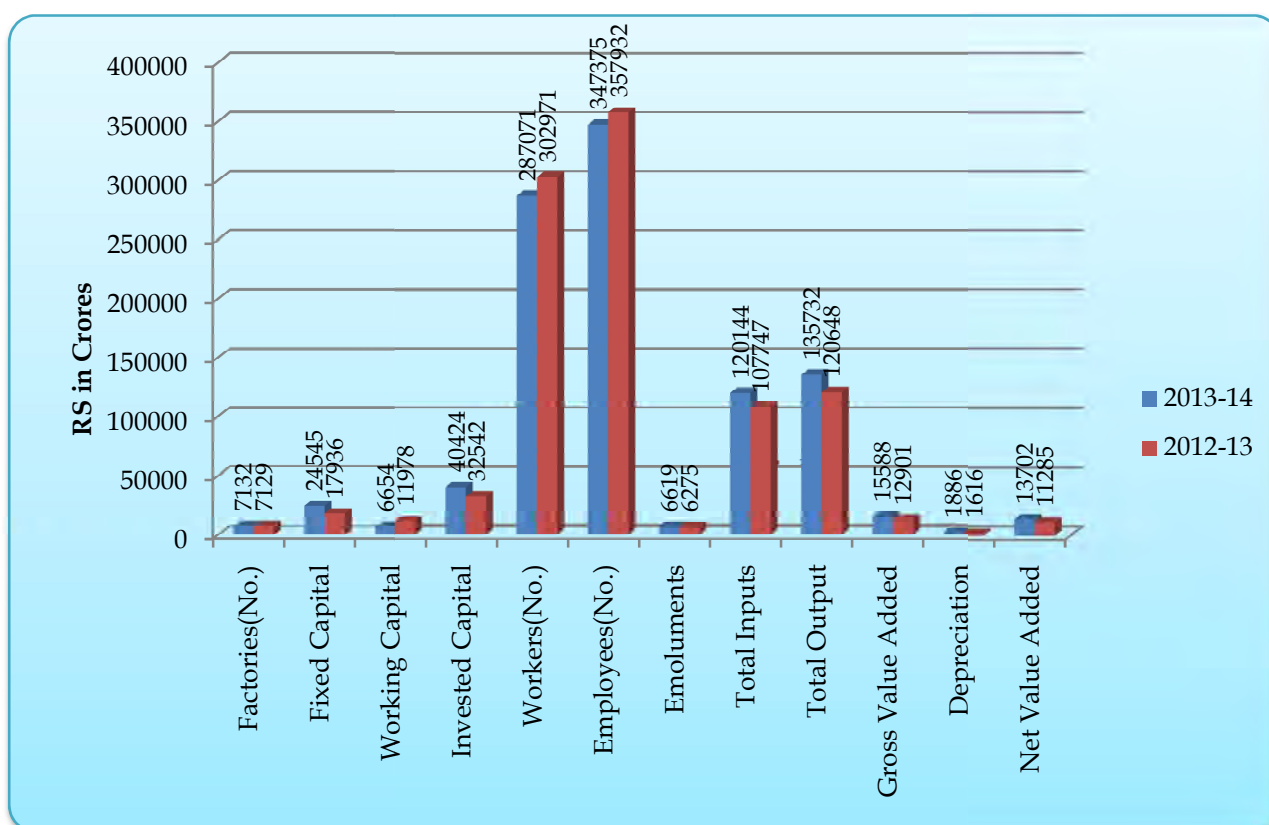
3.1 Important Economic Aggregates :

Attempts have been made in this chapter to bring out the salient features of principal characteristics of Industrial Sector for the year 2013-14 in Kerala. Findings of the survey are based on Pooled data of Central Sample and State Sample. Some of the estimates for principal characteristics for all industries taken together during the year 2013-14 as compared to the corresponding figures available for the previous year 2012-13 have been shown below in Statement 3.1:

Statement 3.1 : Comparative statement of Important characteristics				
<i>All Industries</i>				
<i>(Values in ₹ Crores unless otherwise mentioned)</i>				
<i>Sl No</i>	<i>Characteristics</i>	2013-14	2012-13	% Growth rate over 2012-13
1	Factories(No.)	7,132	7,129	0.04
2	Fixed Capital	24,545	17,936	36.85
3	Working Capital	6,654	11,978	-44.45
4	Invested Capital	40,424	32,542	24.22
5	Workers(No.)	2,87,071	3,02,971	-5.25
6	Employees(Including Workers)(No.)	3,47,375	3,57,932	-2.95
7	Emoluments	6,619	6,275	5.49
8	Total Inputs	1,20,144	1,07,747	11.51
9	Total Output	1,35,732	1,20,648	12.50
10	Gross Value Added	1,55,88	1,29,01	20.83
11	Depreciation	1,886	1,616	16.75
12	Net Value Added	13,702	11,285	21.42

During 2013-14, an increase in the number of factories has been observed to the extent of 0.04% .Fixed Capital and Invested Capital have positive growth of 36.85% and 24.22% respectively as compared to previous year. Working Capital for 2012-13 was at Rs. 11,978 Crores and for 2013-14 it is Rs. 6,654 Crores which shows negative growth of 44.45% .In case of GVA, shows a positive growth of 20.83% as compared to 2012-13.

Comparison of Principle Characteristics



3.2 Distribution of factories during the year 2013-14

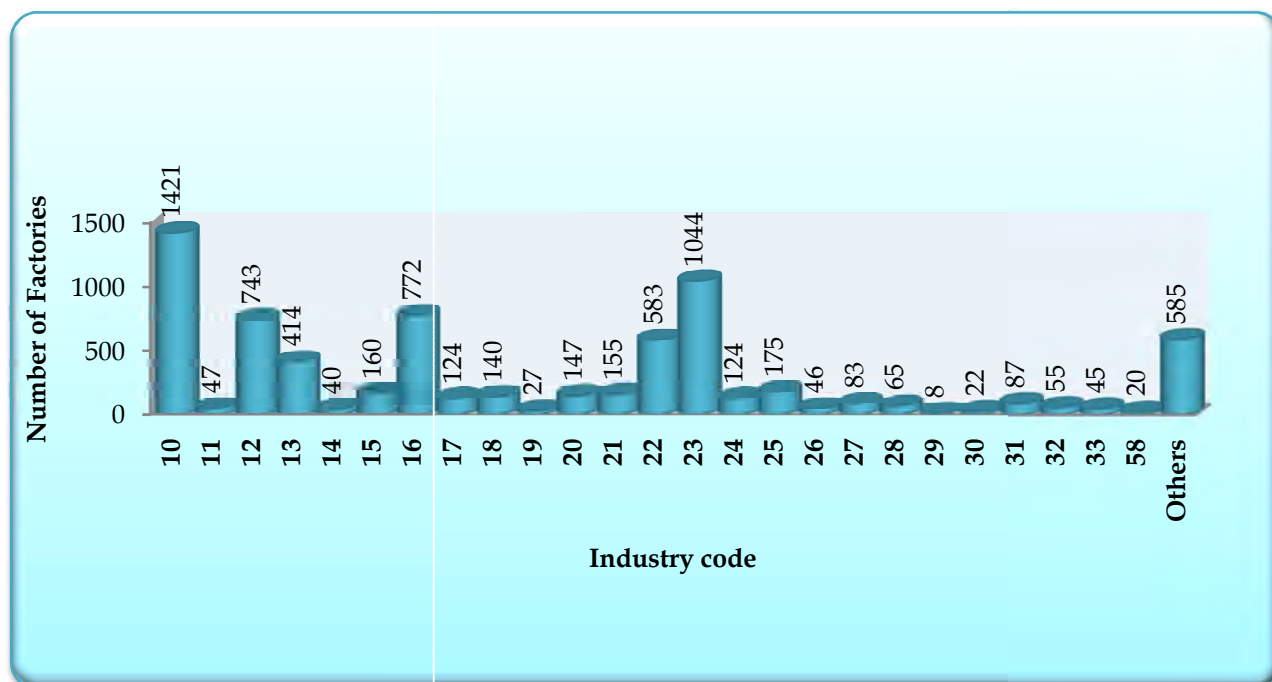
From the Statement 3.2 shown below, it is clear that Industry code 10- Manufacturing of Food products contributes 19.9% to the total No. of factories (7,132).Next, Industry code 23- Manufacture of other non-metallic mineral products has contributed 14.6% followed by Industry code 16- Manufacture of wood and products of wood and cork (10.8%) and Industry code 12- Manufacture of tobacco products (10.4%) to the Total.

Statement 3.2 : Percentage Distribution of factories by major Industry groups at 2 digit NIC-2008

<i>Nic 2digit</i>	DESCRIPTION	No. of Factories	%
10	Manufacture of food products	1421	19.9
11	Manufacture of beverages	47	0.7
12	Manufacture of tobacco products	743	10.4
13	Manufacture of textiles	414	5.8
14	Manufacture of wearing apparel	40	0.6
15	Manufacture of leather and related products	160	2.2
16	Manufacture of wood and products of wood and cork, except furniture, manufacture of articles of straw and plaiting materials	772	10.8
17	Manufacture of paper and paper products	124	1.7
18	Printing and reproduction of recorded media	140	2.0
19	Manufacture of coke and refined petroleum products	27	0.4
20	Manufacture of chemicals and chemical products	147	2.1
21	Manufacture of Pharmaceuticals, medicinal chemical and botanical products	155	2.2
22	Manufacture of rubber and plastics products	583	8.2
23	Manufacture of other non-metallic mineral products	1044	14.6
24	manufacture of basic metals	124	1.7
25	Manufacture of fabricated metal products, except machinery and equipment	175	2.5
26	Manufacture of computer, electronic and optical products	46	0.6
27	Manufacture of electrical equipment	83	1.2
28	Manufacture of machinery and equipment n.e.c	65	0.9
29	Manufacture of motor vehicles, trailers and semi-trailers	8	0.1
30	Manufacture of other transport equipment	22	0.3
31	Manufacture of furniture	87	1.2
32	Other manufacturing	55	0.8
33	Repair and installation of machinery and equipment	45	0.6
58	Publishing activities	20	0.3
	Others	585	8.2
	Total	7,132	100

Industrial Group Wise Distribution Of Factories

Refer : Statement 3.2



3.3 Distribution of Fixed Capital

Distribution of fixed capital for the year 2013-14 is shown in Statement 3.3. In case of fixed capital Industry code 19- Manufacture of coke and refined petroleum products has the maximum share of

Values in ₹ Lakhs

Statement 3.3 Distribution of Fixed Capital of major Industry groups by 2 digit NIC-2008			
Nic 2digit	DESCRIPTION	Fixed Capital	%
10	Manufacture of food products	299042	12.2
11	Manufacture of beverages	24076	1.0
12	Manufacture of tobacco products	2816	0.1
13	Manufacture of textiles	84143	3.4
14	Manufacture of wearing apparel	22915	0.9
15	Manufacture of leather and related products	24390	1.0
16	Manufacture of wood and products of wood and cork, except furniture, manufacture of articles of straw and plaiting materials	24912	1.0
17	Manufacture of paper and paper products	38193	1.6

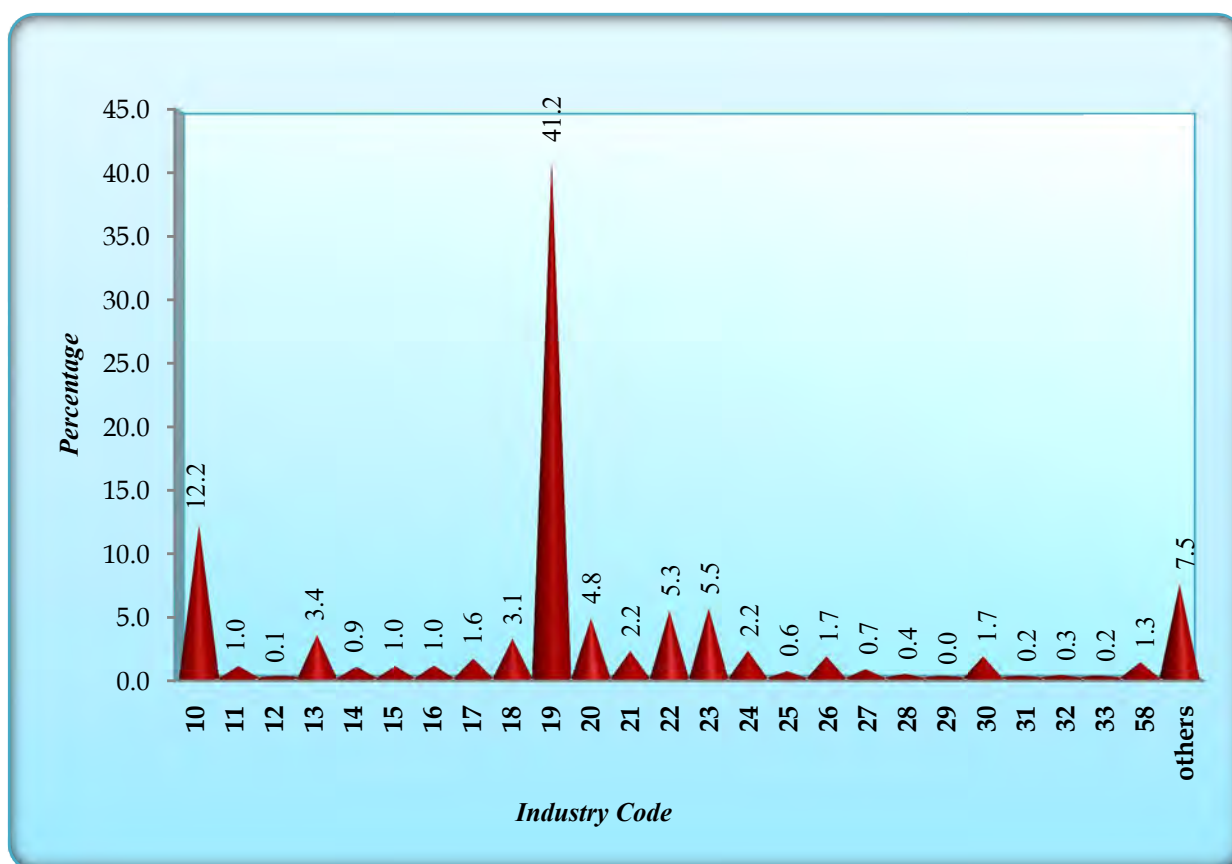
<i>Nic 2digit</i>	DESCRIPTION	Fixed Capital	%
18	Printing and reproduction of recorded media	77240	3.1
19	Manufacture of coke and refined petroleum products	1010200	41.2
20	Manufacture of chemicals and chemical products	116874	4.8
21	Manufacture of Pharmaceuticals, medicinal chemical and botanical products	52790	2.2
22	Manufacture of rubber and plastics products	130643	5.3
23	Manufacture of other non-metallic mineral products	135963	5.5
24	manufacture of basic metals	53400	2.2
25	Manufacture of fabricated metal products, except machinery and equipment	14194	0.6
26	Manufacture of computer, electronic and optical products	42579	1.7
27	Manufacture of electrical equipment	18192	0.7
28	Manufacture of machinery and equipment n.e.c	8925	0.4
29	Manufacture of motor vehicles, trailers and semi-trailers	281	0.0
30	Manufacture of other transport equipment	42774	1.7
31	Manufacture of furniture	4446	0.2
32	Other manufacturing	6618	0.3
33	Repair and installation of machinery and equipment	4391	0.2
58	Publishing activities	31290	1.3
	Others	183230	7.5
	Total	2454515	100

Values in ₹ Lakhs

41.2 % to the Total Fixed capital. Industry code 10- Manufacture of food products has the share of 12.2% to the Total. These two industries together contributed 53.4% to the Total fixed capital.

Graphical representation for the Statement 3.3 is shown below:

Industrial group wise distribution of Fixed Capital (2-digit NIC-2008)



3.4 Distribution of Invested Capital

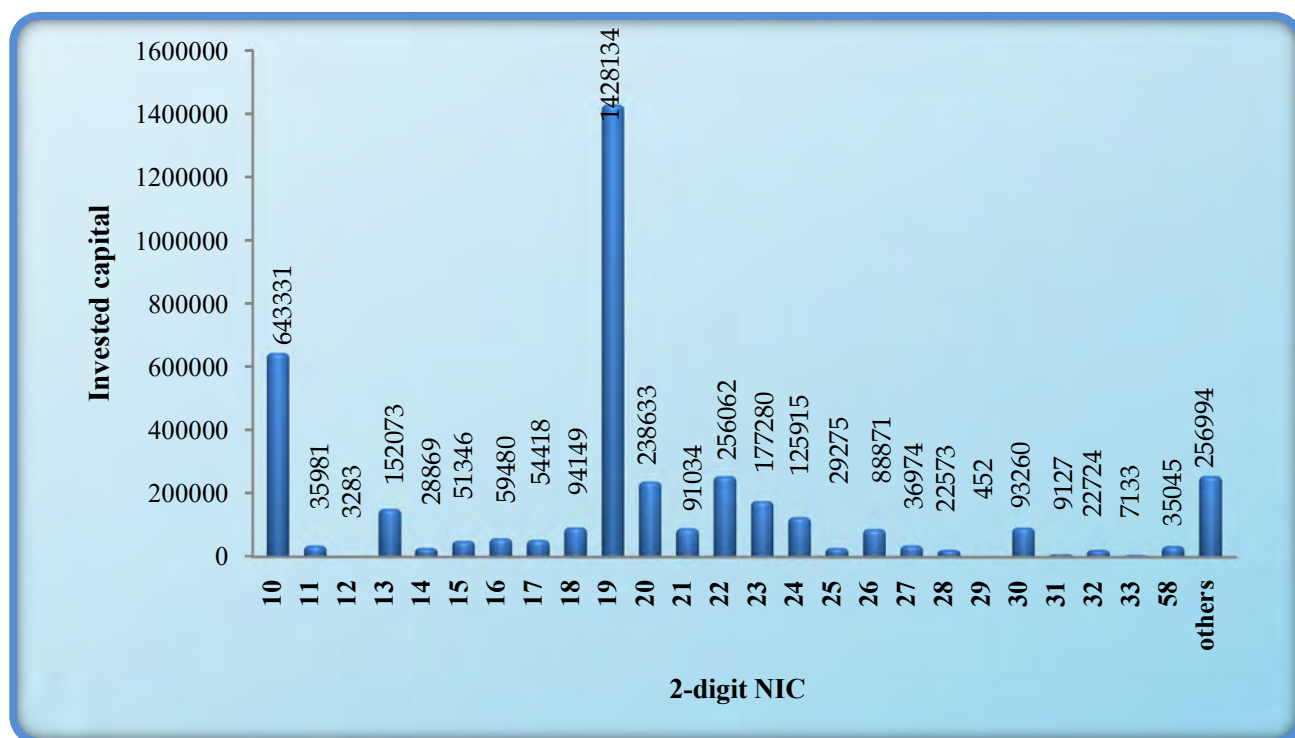
During the reference period 2013-14, the invested capital was estimated at ₹ 40,424 Crores .From the investment side, statement 3.4 depicts that the industries such as Manufacture of coke and refined petroleum products (19), Manufacture of food products(10) were the most important ones as they contributed 35.3% ,15.9% respectively to the total Invested capital.

Statement 3.4 Distribution of invested capital of major Industry groups by 2 digit NIC-2008			
<i>Nic 2digit</i>	DESCRIPTION	Invested Capital	%
10	Manufacture of food products	643331	15.9
11	Manufacture of beverages	35981	0.9
12	Manufacture of tobacco products	3283	0.1
13	Manufacture of textiles	152073	3.8
14	Manufacture of wearing apparel	28869	0.7
15	Manufacture of leather and related products	51346	1.3
16	Manufacture of wood and products of wood and cork, except furniture, manufacture of articles of straw and plaiting materials	59480	1.5
17	Manufacture of paper and paper products	54418	1.3

<i>Nic 2digit</i>	DESCRIPTION	Invested Capital	%
18	Printing and reproduction of recorded media	94149	2.3
19	Manufacture of coke and refined petroleum products	1428134	35.3
20	Manufacture of chemicals and chemical products	238633	5.9
21	Manufacture of Pharmaceuticals, medicinal chemical and botanical products	91034	2.3
22	Manufacture of rubber and plastics products	256062	6.3
23	Manufacture of other non-metallic mineral products	177280	4.4
24	manufacture of basic metals	125915	3.1
25	Manufacture of fabricated metal products, except machinery and equipment	29275	0.7
26	Manufacture of computer, electronic and optical products	88871	2.2
27	Manufacture of electrical equipment	36974	0.9
28	Manufacture of machinery and equipment n.e.c	22573	0.6
29	Manufacture of motor vehicles, trailers and semi-trailers	452	0.0
30	Manufacture of other transport equipment	93260	2.3
31	Manufacture of furniture	9127	0.2
32	Other manufacturing	22724	0.6
33	Repair and installation of machinery and equipment	7133	0.2
58	Publishing activities	35045	0.9
	Others	256994	6.4
	Total	4,042,414	100.0

(Values in ₹Lakhs)

Distribution of Invested Capital by 2-digit NIC-2008



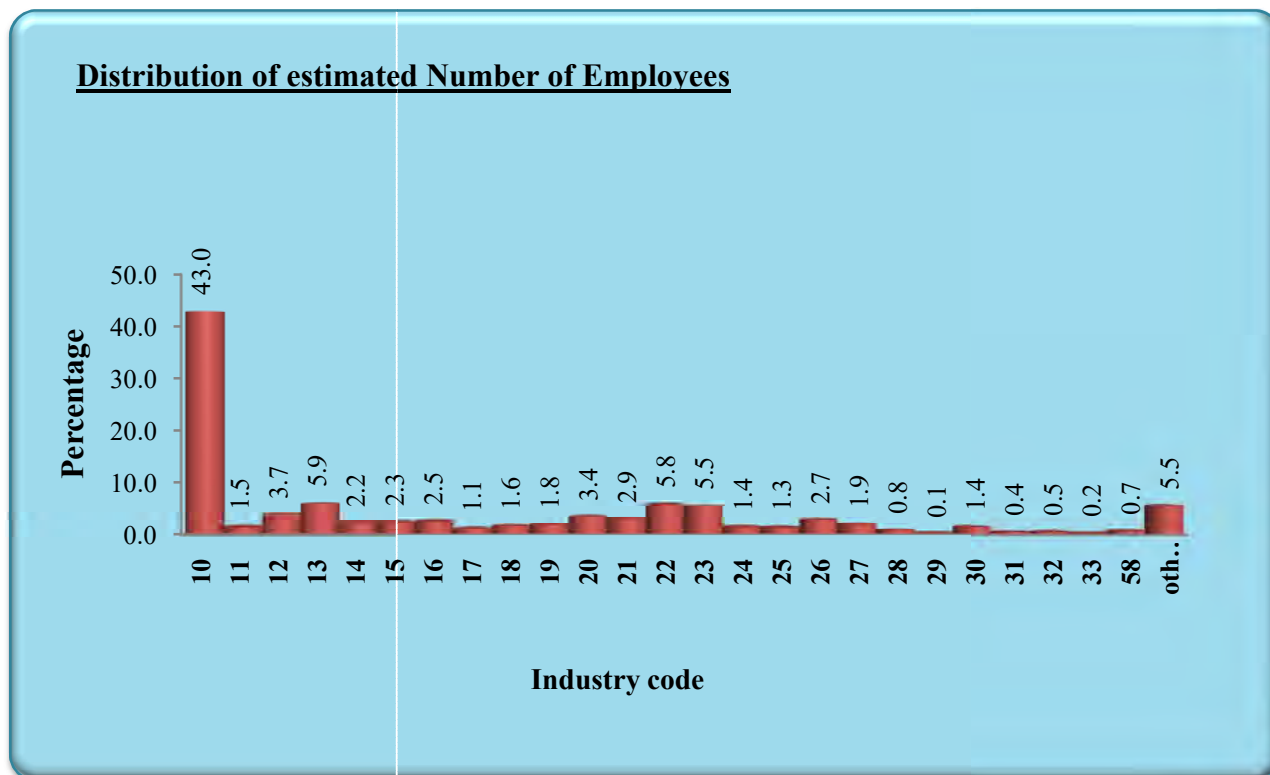
3.5 Employment

Distribution of employment at 2-digit level of NIC -2008 (with description of Industries)for the year 2013-14 is given in the Statement 3.5. The number of persons employed in the factory sector for the year 2013-14 worked out as 3,47,374 out of these 2,87,071 (82.6%) were workers exclusively in the production and/or repair services and the remaining 60,303 (%) were other

Statement 3.5: Distribution of estimated Number of Employees by major Industry groups (2 digit NIC-2008)			
<i>Nic 2digit</i>	DESCRIPTION	Employees (No.)	%
10	Manufacture of food products	150367	43.29
11	Manufacture of beverages	5147	1.48
12	Manufacture of tobacco products	12118	3.49
13	Manufacture of textiles	20802	5.99
14	Manufacture of wearing apparel	7689	2.21
15	Manufacture of leather and related products	8088	2.33
16	Manufacture of wood and products of wood and cork, except furniture, manufacture of articles of straw and plaiting materials	8580	2.47
17	Manufacture of paper and paper products	3929	1.13
18	Printing and reproduction of recorded media	5483	1.58
19	Manufacture of coke and refined petroleum products	6320	1.82
20	Manufacture of chemicals and chemical products	11688	3.36
21	Manufacture of Pharmaceuticals, medicinal chemical and botanical products	9430	2.71
22	Manufacture of rubber and plastics products	20281	5.84
23	Manufacture of other non-metallic mineral products	19168	5.52
24	manufacture of basic metals	4942	1.42
25	Manufacture of fabricated metal products, except machinery and equipment	4312	1.24
26	Manufacture of computer, electronic and optical products	9389	2.70
27	Manufacture of electrical equipment	6642	1.91
28	Manufacture of machinery and equipment n.e.c	2824	0.81
29	Manufacture of motor vehicles, trailers and semi-trailers	254	0.07
30	Manufacture of other transport equipment	4872	1.40
31	Manufacture of furniture	1492	0.43
32	Other manufacturing	1683	0.48
33	Repair and installation of machinery and equipment	730	0.21
58	Publishing activities	2362	0.68
	Others	18783	5.41
	Total	3,47,374	100.00

employees including supervisory, managerial, clerical and auxiliary staff, working proprietors and unpaid family workers.

Statement 3.5 depicts that the industry of manufacturing of food products (NIC code -10) provided employment of 1,50,367 (43.29%) to the State total. Other industries like Manufacture of textiles(5.99%) ,Manufacture of rubber and plastic products(5.84%), Manufacture of other non-



metallic mineral products(5.52%) together contributed 17.65% of total employment. The least contribution of employment is observed in the industry group - Manufacture of motor vehicles, trailers and semi-trailers with 0.07%.

3.6 Distribution of Value Added

Value added by manufacture is a measure of the relative importance of the industrial sector in the State economy as well as a measure of the relative importance of a particular industry within the industrial sector itself. It is used to measure the contribution of industrial sector in the State Domestic product. The value added of Organised industrial sector in Kerala during the year 2013-14 was estimated as 13,701.5 Crores.

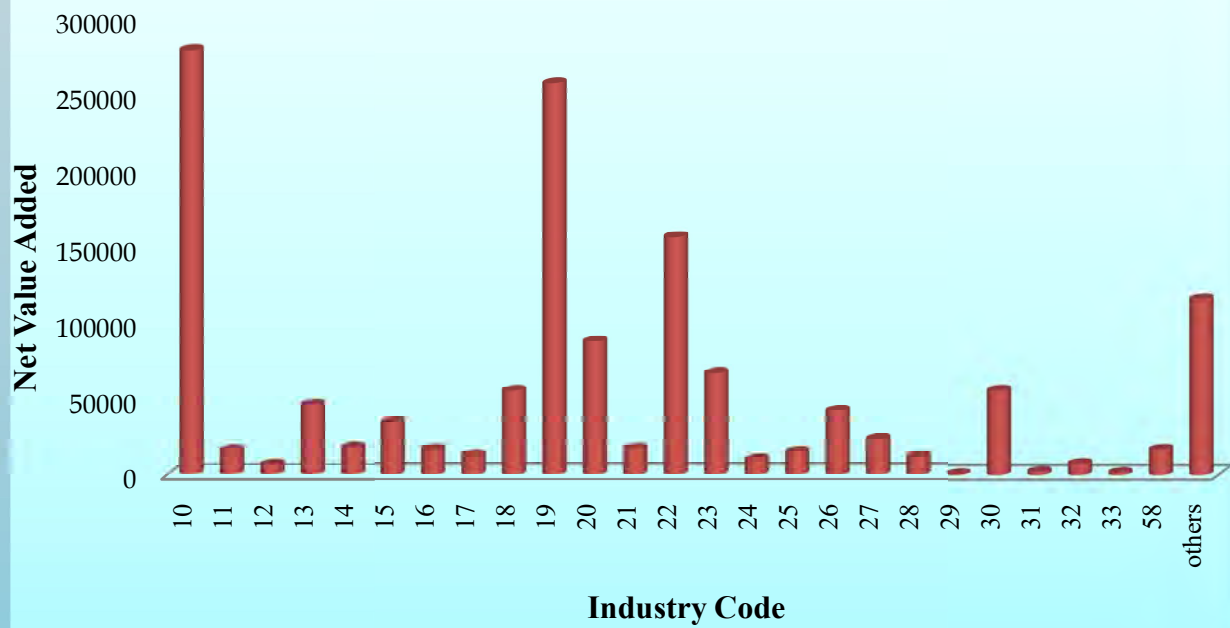
It is clear from the statement 3.7 that Industry of Manufacture of food products (NIC code -10) has the maximum share of 20.4% to the total NVA. NIC code -19 ie.Manufacture of coke and refined petroleum products has the second highest share of 18.8% to the state total. The least

contribution is of Industry - Repair and installation of machinery and equipment with 0.1 contribution.

Values in ₹Lakhs

Statement 3.7 Distribution of Net value Added of major Industry groups by 2 digit NIC-2008			
<i>Nic 2digit</i>	DESCRIPTION	NVA	%
10	Manufacture of food products	280018	20.4
11	Manufacture of beverages	15992	1.2
12	Manufacture of tobacco products	6539	0.5
13	Manufacture of textiles	45799	3.3
14	Manufacture of wearing apparel	17644	1.3
15	Manufacture of leather and related products	34077	2.5
16	Manufacture of wood and products of wood and cork, except furniture, manufacture of articles of straw and plaiting materials	16446	1.2
17	Manufacture of paper and paper products	12834	0.9
18	Printing and reproduction of recorded media	54952	4
19	Manufacture of coke and refined petroleum products	257508	18.8
20	Manufacture of chemicals and chemical products	87685	6.4
21	Manufacture of Pharmaceuticals, medicinal chemical and botanical products	16840	1.2
22	Manufacture of rubber and plastics products	156558	11.4
23	Manufacture of other non-metallic mineral products	66542	4.9
24	manufacture of basic metals	10083	0.7
25	Manufacture of fabricated metal products, except machinery and equipment	14522	1.1
26	Manufacture of computer, electronic and optical products	41711	3
27	Manufacture of electrical equipment	22826	1.7
28	Manufacture of machinery and equipment n.e.c	11958	0.9
29	Manufacture of motor vehicles, trailers and semi-trailers	711	0.1
30	Manufacture of other transport equipment	55472	4
31	Manufacture of furniture	2164	0.2
32	Other manufacturing	7310	0.5
33	Repair and installation of machinery and equipment	1546	0.1
58	Publishing activities	16581	1.2
	Others	115839	8.5
	Total	13,70,155	100

**Distribution of Net value Added of major Industry groups by 2 digit
NIC-2008**



DISTRICT LEVEL ESTIMATES

District Level Analysis

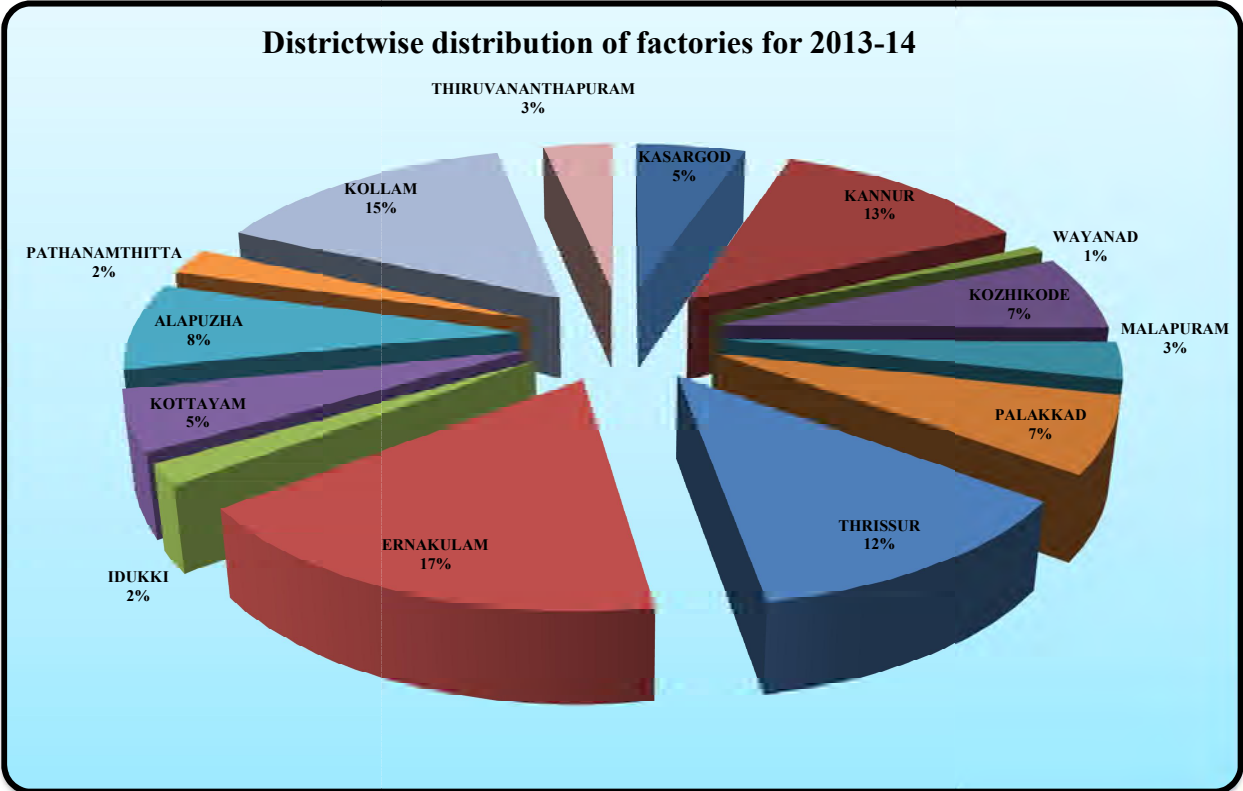
In this section , district wise distribution of some important economic aggregates of principal characteristics for 14 districts have been analyzed and are presented below.

3.8 Distribution of factories

A comparative picture on district wise distribution of factories during the years 2013-14 &2012-13 is given in statement 3.8.

Statement 3.8 Districtwise distribution of factories between 2013-14 &2012-13					
Sl No.	Districts	2013-14		2012-13	
		No. of Factories	%	No. of Factories	%
1	Kasaragod	383	5.4	389	5.5
2	Kannur	901	12.6	928	13.0
3	Wayanad	48	0.7	53	0.7
4	Kozhikode	462	6.5	462	6.5
5	Malappuram	230	3.2	233	3.3
6	Palakkad	471	6.6	484	6.8
7	Thrissur	882	12.4	898	12.6
8	Ernakulam	1241	17.4	1182	16.6
9	Idukki	131	1.8	140	2.0
10	Kottayam	374	5.2	362	5.1
11	Alappuzha	536	7.5	539	7.6
12	Pathanamthitta	169	2.4	164	2.3
13	Kollam	1061	14.9	1054	14.8
14	Thiruvananthapuram	243	3.4	241	3.4
	Total	7,132	100	7,129	100

From the above statement it is clear that Ernakulam district continues to be the most industrialised district during 2013-14 also. Out of the total number of factories, 1241(17.4%) were from the Ernakulam district. Other important districts in terms of number of factories are Kollam(14.9%), Kannur(12.6%), Thrissur(12.4%) and Alappuzha(7.5%).These five districts contributed 64.8% of the total factories.



3.9 Capital Structure

In case of capital structure, the Ernakulam district has contributed its 59.72% share (₹ 14,658 Crores) to the total fixed capital . The other major districts are Kottayam (fixed capital- 5.7%) ,Alappuzha(fixed capital-5.5%), Palakkad (fixed capital-5.3%).These four districts has together contributed 76.2% to the total fixed capital.

During the reference period 2013-14, the invested capital was estimated at ₹ 40,424 Crores.

The major districts are Ernakulam , Kottayam, Alappuzha and Palakkad as they contributed 56.2% ,6.1%,5.7% and 6.4% respectively to the total Invested capital.

Statement 3.9 District wise distribution of capital structure for the year 2013-14					
<i>(Values in ₹ Lakhs)</i>					
Sl No.	Districts	Fixed Capital	%	Invested Capital	%
1	Kasaragod	7909	0.32	23055	0.57
2	Kannur	55904	2.28	103604	2.56
3	Wayanad	8470	0.35	9743	0.24
4	Kozhikode	102363	4.17	141891	3.51
5	Malapuram	29751	1.21	64175	1.59
6	Palakkad	131392	5.35	256961	6.36
7	Thrissur	98586	4.02	170985	4.23
8	Ernakulam	1465802	59.72	2272613	56.22
9	Idukki	46287	1.89	85405	2.11
10	Kottayam	140562	5.73	246515	6.1
11	Alapuzha	135863	5.54	231639	5.73
12	Pathanamthitta	54212	2.21	69332	1.72
13	Kollam	96268	3.92	238353	5.9
14	Thiruvananthapuram	81145	3.31	128142	3.17
	Total	24,54,515	100	40,42,414	100

3.10 Distribution of Employment

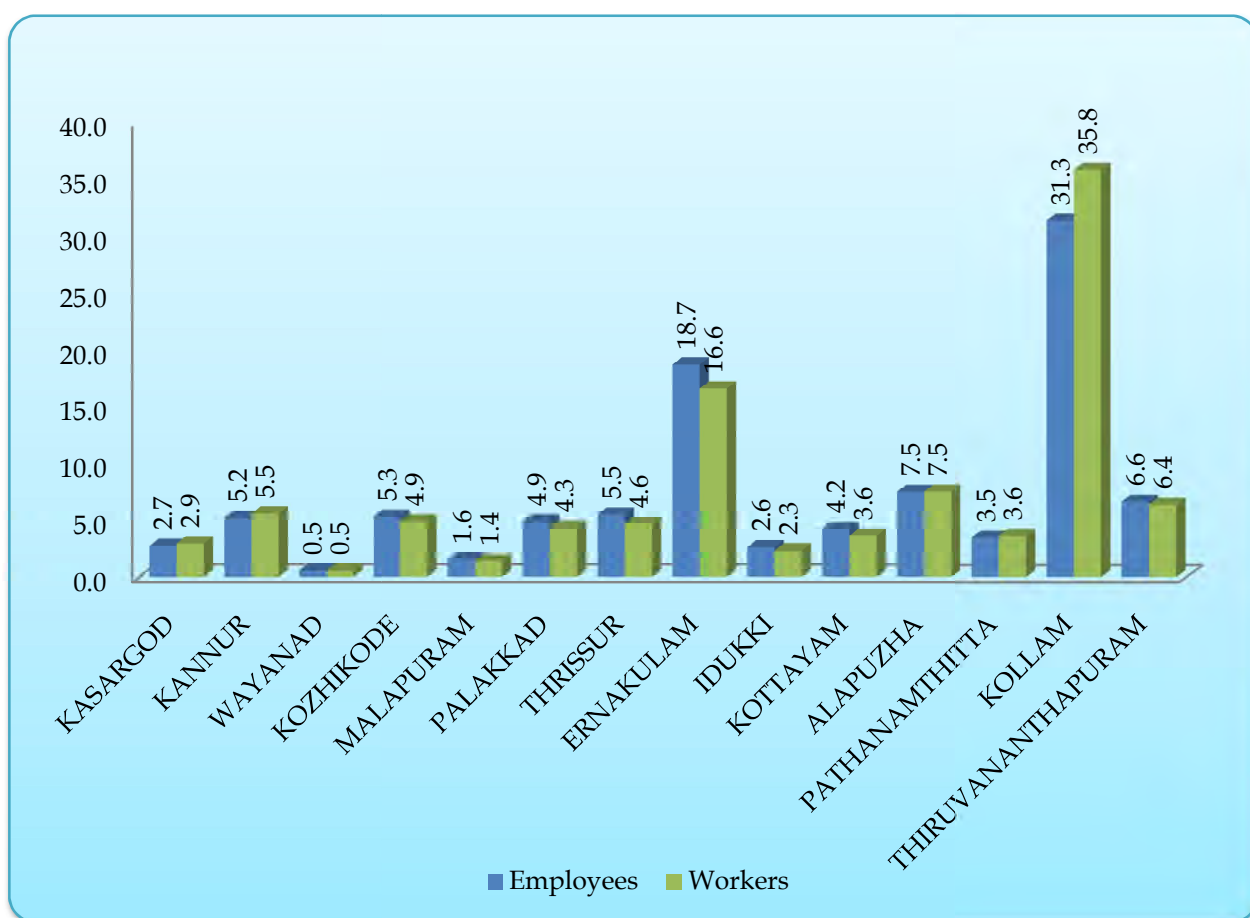
The distribution of employees and workers among the 14 districts has been analyzed in the Statement 3.10.

From the statement 3.10 it is clear that Kollam district has the maximum share of 31.3% and 35.8% in the case of total no. of employees and total no.of workers respectively. The

next highest district is Ernakulam with 18.7% and 16.6% % in the case of total no. of employees and total no.of workers respectively.

Wayanad district has the least contribution in case of employees and workers with 0.5% in both cases.

Statement 3.10 Distribution of Employees and workers					
Sl No.	Districts	Employees	%	Workers	%
1	Kasargod	9469	2.7	8434	2.9
2	Kannur	17938	5.2	15850	5.5
3	Wayanad	1878	0.5	1533	0.5
4	Kozhikode	18390	5.3	13949	4.9
5	Malapuram	5386	1.6	4046	1.4
6	Palakkad	16913	4.9	12426	4.3
7	Thrissur	19007	5.5	13305	4.6
8	Ernakulam	64870	18.7	47572	16.6
9	Idukki	9025	2.6	6646	2.3
10	Kottayam	14758	4.2	10456	3.6
11	Alapuzha	25948	7.5	21473	7.5
12	Pathanamthitta	12052	3.5	10403	3.6
13	Kollam	108748	31.3	102697	35.8
14	Thiruvananthapuram	22992	6.6	18280	6.4
	<i>Total</i>	347375	100.0	287070	100.0

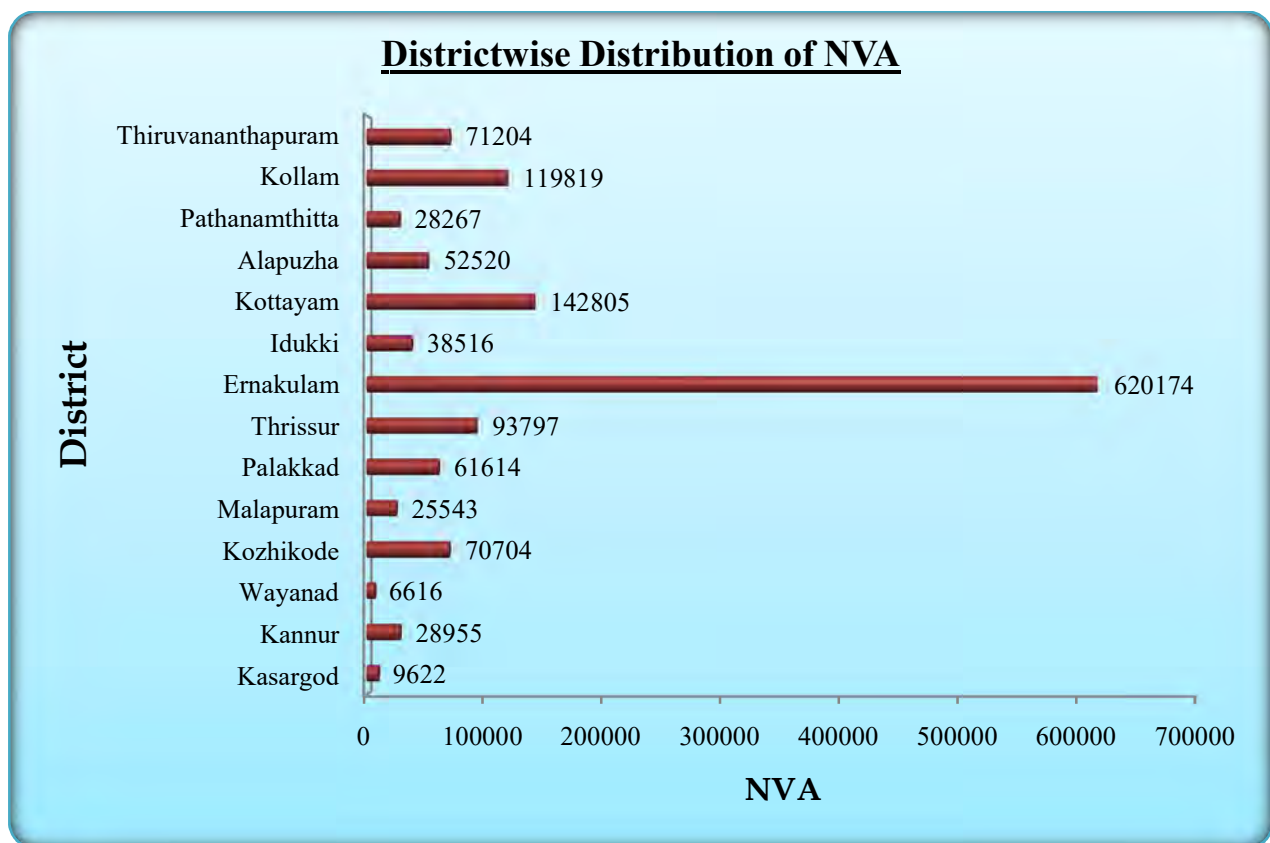


3.11 Distribution of NVA

In case of Net Value Added, among all the districts Ernakulam district has contributed 45.3% to the total Net value Added of the State followed by the districts Kottayam (10.4%), Kollam (8.7 %), Thrissur (6.8%).

Statement 3.11 Districtwise distribution of Net Value Added of factories in Kerala			
Sl No.	Districts	NVA (Values in ₹ Lakhs)	%
1	Kasargod	9622	0.7
2	Kannur	28955	2.1
3	Wayanad	6616	0.5
4	Kozhikode	70704	5.2
5	Malapuram	25543	1.9
6	Palakkad	61614	4.5

7	Thrissur	93797	6.8
8	Ernakulam	620174	45.3
9	Idukki	38516	2.8
10	Kottayam	142805	10.4
11	Alapuzha	52520	3.8
12	Pathanamthitta	28267	2.1
13	Kollam	119819	8.7
14	Thiruvananthapuram	71204	5.2
	Total	1,370,156	100.0

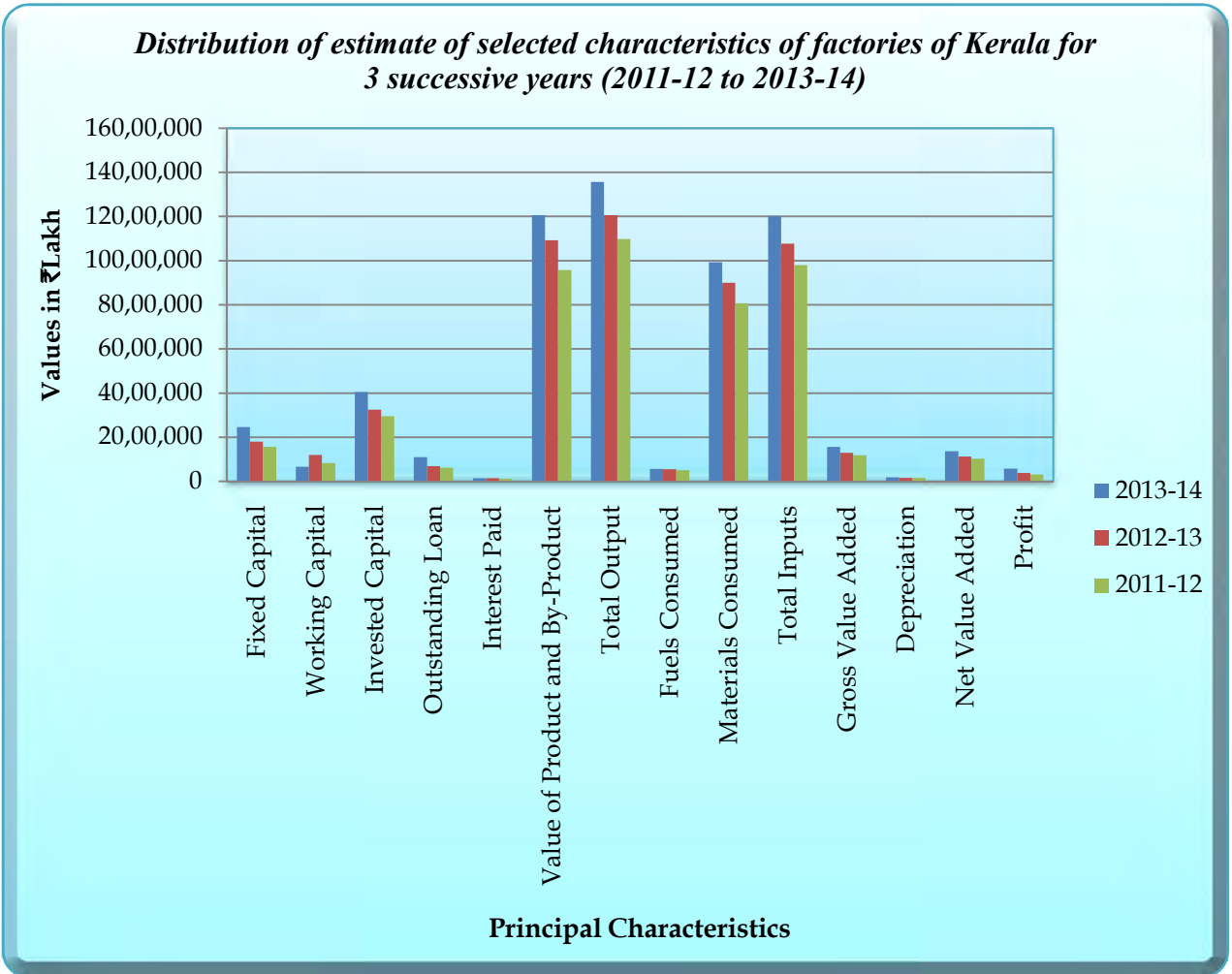


Comparison of Important Economic Aggregates (2011-12 to 2013-14)

In this chapter, comparison of important economic aggregates for the years 2011-12, 2012-13 and 2013-14 is highlighted.

Some of the estimates of principal characteristics for all industries taken together are detailed in Statement 4.1.

<i>Statement 4.1 Distribution of estimate of selected characteristics of factories of Kerala for 3 successive years (2011-12 to 2013-14)</i>			
<i>All Industries</i>	<i>(Values in ₹ Lakh unless otherwise mentioned)</i>		
Characteristics	2013-14	2012-13	2011-12
Fixed Capital	2,454,515	1793601	1559998
Working Capital	665,378	1197762	825116
Invested Capital	4,042,414	3254204	2955044
Outstanding Loan	1,100,032	690398	621574
Interest Paid	145,074	135258	112809
Value of Product and By-Product	12,060,303	10920703	9567748
Total Output	13,573,186	12064788	10986032
Fuels Consumed	559,768	550341	500169
Materials Consumed	9,920,842	9004899	8065205
Total Inputs	12,014,395	10774729	9803836
Gross Value Added	1,558,791	1290059	1182196
Depreciation	188,636	161578	157850
Net Value Added	1,370,155	1128481	1024346
Profit	573,135	381847	313490



It is clear from the statement that all the parameters including Capital structure, Output, Input, Gross value added(GVA), Net value added(NVA) shows a positive growth over three years.

APPENDIX I

DETAILED TABLES

APPENDIX I
DETAILED TABLES

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Table 1: Estimate of some selected characteristics of factories of Kerala for the year 2013-14	
All Industries	<i>(Values in ₹Lakh unless otherwise mentioned)</i>
Characteristics	
1. Number of Factories (no.)	7,132
2. Factories in Operation (no.)	6,050
3. Fixed Capital	2,454,515
4. Physical Working Capital	1,587,899
5. Working Capital	665,378
6. Invested Capital	4,042,414
7. Gross Value of Addition to Fixed Capital	886,394
8. Rent Paid for Fixed Assets	17,362
9. Outstanding Loan	1,100,032
10. Interest Paid	145,074
11. Rent Received for Fixed Assets	3,616
12. Interest Received	23,748
13. Gross Value of Plant & Machinery	2,138,172
14. Value of Product and By-Product	12,060,303
15. Total Output	13,573,186
16. Fuels Consumed	559,768
17. Materials Consumed	9,920,842
18. Total Inputs	12,014,395
19. Gross Value Added	1,558,791
20. Depreciation	188,636
21. Net Value Added	1,370,155
22. Net Fixed Capital Formation	613,798
23. Gross Fixed Capital Formation	802,434
24. Addition in stock of	38,021
(a) Materials, Fuels etc.	15,752
(b) Semi Finished Goods	2,249
(c) Finished Goods	20,021
25. Gross Capital Formation	840,455
26. Income	1,235,082
27. Profit	573,135

Table 1.1 : Estimate of some significant characteristics of factory sector of State by 3 digit of NIC'08 for the year 2013-14

Characteristics	3-digit industry class :NIC-2008 (Values in ` Lakh unless otherwise mentioned)									
	All	101	102	103	104	105	106	107	108	110
1. Number of Factories (no.)	7,132	5	134	39	56	74	162	935	16	47
2. Factories in Operation (no.)	6,050	5	122	36	44	72	142	894	15	45
3. Fixed Capital	2,454,515	540	61536	1726	20487	36478	25428	142568	10280	24076
4. Physical Working Capital	1,587,899	244	57311	931	57828	7878	26384	186180	7532	11905
5. Working Capital	665,378	457	26644	-299	198589	-2440	9045	85194	1646	76707
6. Invested Capital	4,042,414	784	118847	2657	78315	44356	51812	328748	17812	35981
7. Gross Value of Addition to Fixed Capital	886,394	97	9200	92	3481	8119	3474	21016	1520	5118
8. Rent Paid for Fixed Assets	17,362	2	1076	5	338	267	145	1599	8	132
9. Outstanding Loan	1,100,032	75	31871	529	3677	8953	12753	138797	1652	121520
10. Interest Paid	145,074	19	7969	37	4471	683	4515	19785	211	1565
11. Rent Received for Fixed Assets	3,616	0	561	0	0	49	7	240	6	64
12. Interest Received	23,748	30	831	26	1660	239	223	2405	97	365
13. Gross Value of Plant & Machinery	2,138,172	561	35258	810	17957	19620	10161	50485	8854	28059
14. Value of Product and By-Product	12,060,303	1185	378899	6632	260951	238195	161567	988613	102664	101302
15. Total Output	13,573,186	1672	398760	6821	278193	261594	188123	1087407	114975	105780
16. Fuels Consumed	559,768	65	8692	96	4081	5111	5144	18305	2045	2462
17. Materials Consumed	9,920,841	846	319175	5876	190229	189709	136319	725670	90499	72481
18. Total Inputs	12,014,394	1588	356050	6435	239817	234834	171174	913551	107347	87030
19. Gross Value Added	1,558,792	83	42710	385	38376	26760	16949	173856	7627	18750
20. Depreciation	188,636	53	6580	274	2971	2925	2394	10398	1133	2758
21. Net Value Added	1,370,156	30	36130	111	35405	23834	14556	163457	6494	15992
22. Net Fixed Capital Formation	613,798	44	877	-183	135	3983	940	7080	-251	1440
23. Gross Fixed Capital Formation	802,434	97	7457	91	3106	6908	3333	17478	883	4197
24. Addition in stock of	38,022	-411	-5739	297	-2009	2119	5147	-31846	1555	-1866
(a) Materials, Fuels etc.	15,752	-499	3664	69	-49	1679	4233	-36319	1082	-1512
(b) Semi Finished Goods	2,250	21	-137	5	-4411	25	89	533	0	-223
(c) Finished Goods	20,021	67	-9267	223	2451	416	825	3940	472	-131
25. Gross Capital Formation	840,456	-314	1718	389	1097	9028	8481	-14368	2437	2331
26. Income	1,235,083	40	28477	96	32256	23172	10125	144719	6377	14724
27. Profit	573,135	-218	14786	-264	19666	10593	3732	40184	2330	4915

Table 1.1 : Estimate of some significant characteristics of factory sector of State by 3 digit of NIC'08 for the year 2013-14										
	3-digit industry class :NIC-2008 (Values in ` Lakh unless otherwise mentioned)									
Characteristics	120	131	139	141	151	152	161	162	170	181
1. Number of Factories (no.)	749	255	189	40	4	174	282	502	124	140
2. Factories in Operation (no.)	438	211	139	37	4	111	219	421	109	128
3. Fixed Capital	2816	58101	26042	22915	252	24138	4367	20544	38193	77240
4. Physical Working Capital	467	45427	22503	5954	4535	22420	2842	31726	16226	16909
5. Working Capital	-689	-4097	13301	3667	4528	10248	1340	23127	3115	24744
6. Invested Capital	3283	103527	48545	28869	4788	46558	7210	52271	54418	94149
7. Gross Value of Addition to Fixed Capital	0	11903	3503	8503	44	7862	789	2363	2363	37550
8. Rent Paid for Fixed Assets	19	464	103	158	9	378	7	94	132	1074
9. Outstanding Loan	1225	93971	21019	5607	1587	7378	608	18691	8759	33473
10. Interest Paid	2	10381	5755	1357	168	1461	255	2334	2285	4384
11. Rent Received for Fixed Assets	4	38	35	13	0	0	0	3	48	52
12. Interest Received	0	881	653	87	8	46	17	32	167	496
13. Gross Value of Plant & Machinery	0	76032	24492	16703	216	18159	27	16573	51150	69799
14. Value of Product and By-Product	5248	166918	129341	63419	7718	205662	13692	111499	80050	75755
15. Total Output	11208	212526	137208	68373	7899	213525	20064	115580	81889	163764
16. Fuels Consumed	19	14782	2752	2065	42	1855	373	4792	17410	3252
17. Materials Consumed	1993	116734	97926	39884	3992	138416	11271	79080	43882	64894
18. Total Inputs	4647	175840	119209	49203	5298	178147	17630	98884	66469	99494
19. Gross Value Added	6561	36686	17999	19170	2602	35378	2434	16696	15420	64270
20. Depreciation	22	5951	2936	1526	36	3866	174	2510	2586	9317
21. Net Value Added	6539	30735	15063	17644	2565	31512	2260	14185	12834	54952
22. Net Fixed Capital Formation	-22	5458	492	6207	-109	1820	615	-197	-363	8320
23. Gross Fixed Capital Formation	0	11408	3428	7733	-73	5686	789	2313	2223	17638
24. Addition in stock of	231	7748	-1435	-3349	775	3248	484	6480	2576	2956
(a) Materials, Fuels etc.	16	3009	1096	-3966	135	1167	429	4232	1346	3044
(b) Semi Finished Goods	0	369	-2935	85	-132	1269	0	1081	49	169
(c) Finished Goods	215	4371	404	532	772	812	55	1168	1182	-257
25. Gross Capital Formation	231	19157	1993	4384	702	8934	1273	8793	4799	20593
26. Income	6522	20809	9894	16229	2396	29719	2015	11793	10632	50042
27. Profit	-308	-3520	-430	5538	1678	16042	631	3958	-70	23975

Table 1.1 : Estimate of some significant characteristics of factory sector of State by 3 digit of NIC'08 for the year 2013-14										
	3-digit industry class :NIC-2008 (Values in `Lakh unless otherwise mentioned)									
Characteristics	192	201	202	210	221	222	231	239	241	242
1. Number of Factories (no.)	27	52	95	163	367	227	9	1053	83	15
2. Factories in Operation (no.)	27	46	87	154	294	185	8	852	71	15
3. Fixed Capital	1010200	86870	30004	52790	99200	31443	1178	134785	32595	11701
4. Physical Working Capital	417934	81407	40352	38244	102310	23110	185	41132	58114	7108
5. Working Capital	126118	6329	57515	31485	69016	26408	-283	38444	24928	-9042
6. Invested Capital	1428134	168277	70356	91034	201510	54552	1363	175917	90709	18809
7. Gross Value of Addition to Fixed Capital	584371	9628	10144	12669	24393	4805	154	15391	10347	2739
8. Rent Paid for Fixed Assets	123	362	501	1390	563	184	3	1407	106	7
9. Outstanding Loan	209361	49528	5955	30407	37908	27324	484	43607	25599	579
10. Interest Paid	11407	9577	4366	5491	9867	1960	160	5419	6071	692
11. Rent Received for Fixed Assets	933	152	168	22	66	0	0	74	14	1
12. Interest Received	611	2082	366	516	1309	63	7	1471	628	1070
13. Gross Value of Plant & Machinery	858167	167813	36222	29421	97529	20906	1091	92504	27816	23205
14. Value of Product and By-Product	5972139	402030	192246	127341	833236	206451	1660	265190	236581	41942
15. Total Output	5995734	408845	209697	157106	926223	217030	1676	276856	274202	42286
16. Fuels Consumed	256883	56801	6223	9457	26410	10372	52	43372	27066	5611
17. Materials Consumed	5366228	289201	121460	93305	670404	99320	995	112739	204179	28019
18. Total Inputs	5685884	361117	157744	134222	790946	181092	1185	198794	270625	39328
19. Gross Value Added	309850	47728	51953	22884	135277	35938	490	78062	3577	2958
20. Depreciation	52342	8686	3311	6044	9801	4855	139	11872	2662	833
21. Net Value Added	257508	39043	48643	16840	125475	31083	352	66190	914	2124
22. Net Fixed Capital Formation	512398	-1950	2191	5430	13859	-658	-47	969	6163	1905
23. Gross Fixed Capital Formation	564740	6736	5501	11474	23661	4197	92	12841	8825	2738
24. Addition in stock of	62984	-21323	-2979	6660	11359	2309	8	2306	-3109	-4502
(a) Materials, Fuels etc.	48442	-6318	-9784	4368	3599	714	-12	769	1936	-6517
(b) Semi Finished Goods	2203	-922	4997	402	-487	133	21	354	-814	-198
(c) Finished Goods	12338	-14083	1807	1890	8247	1461	-1	1183	-4231	2213
25. Gross Capital Formation	627724	-14587	2522	18135	35020	6506	100	15147	5716	-1764
26. Income	247523	31338	44310	10497	116421	29003	195	60908	-4620	2496
27. Profit	209142	-18244	29799	-13823	69211	15654	-22	17452	-8500	-453

Table 1. 1 : Estimate of some significant characteristics of factory sector of State by 3 digit of NIC'08 for the year 2013-14										
	3-digit industry class :NIC-2008 (Values in ` Lakh unless otherwise mentioned)									
Characteristics	243	251	259	261	263	264	265	271	272	273
1. Number of Factories (no.)	27	66	109	29	6	2	8	44	3	20
2. Factories in Operation (no.)	24	59	104	26	6	2	8	41	3	20
3. Fixed Capital	9103	7123	7072	26392	9933	142	5781	9959	131	5915
4. Physical Working Capital	7293	8013	7068	32804	5662	298	5947	13184	236	3378
5. Working Capital	1174	3770	8631	14881	-26136	1167	19484	9931	36	8949
6. Invested Capital	16397	15136	14140	59195	15595	440	11728	23143	367	9293
7. Gross Value of Addition to Fixed Capital	2171	2673	3185	3953	139	50	1734	1397	40	1451
8. Rent Paid for Fixed Assets	93	27	45	443	130	0	22	391	0	31
9. Outstanding Loan	11213	3941	3815	4016	3259	0	291	11178	83	2675
10. Interest Paid	642	563	425	3061	148	10	78	1622	25	934
11. Rent Received for Fixed Assets	0	3	2	379	16	0	5	8	0	0
12. Interest Received	24	56	67	175	23	1	189	172	0	73
13. Gross Value of Plant & Machinery	7775	7717	5594	42363	14645	132	5350	11745	47	6108
14. Value of Product and By-Product	37660	38712	26295	130555	8838	1595	25205	51827	330	27396
15. Total Output	40323	46622	29062	140068	39450	1975	26573	59210	475	28426
16. Fuels Consumed	2876	2123	2017	2421	250	4	197	1012	19	258
17. Materials Consumed	24403	29125	13777	95870	7493	606	12942	35299	278	18939
18. Total Inputs	32502	38153	21450	113513	30142	943	18137	43395	361	22382
19. Gross Value Added	7820	8469	7612	26554	9308	1032	8436	15815	113	6044
20. Depreciation	777	789	770	3761	901	29	511	1756	16	630
21. Net Value Added	7044	7680	6842	22794	8407	1004	7925	14059	98	5414
22. Net Fixed Capital Formation	1380	1578	1924	-296	-872	21	478	-486	23	188
23. Gross Fixed Capital Formation	2157	2367	2694	3465	29	49	989	1270	38	817
24. Addition in stock of	754	1183	419	2241	-197	-19	-974	527	16	-168
(a) Materials, Fuels etc.	819	411	184	-1159	66	-46	-645	847	9	231
(b) Semi Finished Goods	190	653	-92	2314	-3	27	-276	1346	-7	523
(c) Finished Goods	-255	119	327	1086	-260	0	-53	-1666	13	-923
25. Gross Capital Formation	2911	3550	3113	5706	-168	30	16	1797	54	649
26. Income	6333	7150	6441	19845	8169	995	8018	12226	73	4522
27. Profit	2754	2313	1735	4123	1581	506	3095	-652	4	1274

Table 1.1 : Estimate of some significant characteristics of factory sector of State by 3 digit of NIC'08 for the year 2013-14										
	3-digit industry class :NIC-2008 (Values in ` Lakh unless otherwise mentioned)									
Characteristics	274	279	281	282	292	293	301	310	321	325
1. Number of Factories (no.)	7	10	13	52	6	2	16	87	7	30
2. Factories in Operation (no.)	7	10	13	51	5	2	14	81	6	29
3. Fixed Capital	1790	396	2141	6784	197	85	39947	4446	857	4397
4. Physical Working Capital	1433	551	3495	10153	92	79	48224	4680	8699	2835
5. Working Capital	1915	4311	4740	12338	281	28	102880	1838	3528	3345
6. Invested Capital	3224	946	5636	16937	289	163	88172	9127	9556	7232
7. Gross Value of Addition to Fixed Capital	119	69	247	766	48	40	15933	178	277	688
8. Rent Paid for Fixed Assets	73	9	9	53	3	0	532	53	101	85
9. Outstanding Loan	361	6212	250	1461	54	4	13858	2992	1226	2122
10. Interest Paid	164	40	21	644	29	5	2026	302	457	112
11. Rent Received for Fixed Assets	1	3	1	189	0	0	110	19	0	0
12. Interest Received	10	1	47	266	1	1	5078	7	37	12
13. Gross Value of Plant & Machinery	1518	283	1938	5586	33	0	26661	2591	98	1713
14. Value of Product and By-Product	9291	3079	7104	35529	1795	302	-3246	8411	48109	7672
15. Total Output	9616	7345	7561	38963	2472	355	162233	9583	48957	10276
16. Fuels Consumed	104	73	87	659	26	7	2521	280	70	179
17. Materials Consumed	6779	1965	3898	23520	1301	196	80415	4570	45961	2760
18. Total Inputs	7959	5521	4741	28702	1828	247	106293	7053	47090	6214
19. Gross Value Added	1657	1824	2820	10261	643	108	55940	2530	1867	4062
20. Depreciation	170	54	404	720	33	8	2357	366	175	445
21. Net Value Added	1486	1770	2416	9541	611	100	53584	2164	1692	3617
22. Net Fixed Capital Formation	-117	17	-200	28	15	33	514	-216	-208	214
23. Gross Fixed Capital Formation	54	71	203	747	48	40	2871	151	-34	659
24. Addition in stock of	-1145	-1	-182	1498	-310	37	4709	369	2251	605
(a) Materials, Fuels etc.	-951	42	-495	-359	-310	25	9666	47	2347	463
(b) Semi Finished Goods	-19	-14	215	342	0	12	-4725	127	0	58
(c) Finished Goods	-175	-29	98	1515	0	-1	-232	195	-96	84
25. Gross Capital Formation	-1091	71	21	2245	-263	77	7580	520	2218	1264
26. Income	1260	1725	2434	9299	580	96	56213	1835	1172	3433
27. Profit	232	520	-35	1408	128	21	32942	-158	405	1317

Table 1.1 : Estimate of some significant characteristics of factory sector of State by 3 digit of NIC'08 for the year 2013-14					
	3-digit industry class :NIC-2008 (Values in ` Lakh unless otherwise mentioned)				
Characteristics	329	331	332	581	other
1. Number of Factories (no.)	18	14	31	20	608
2. Factories in Operation (no.)	18	11	22	20	540
3. Fixed Capital	1364	360	4031	31290	186387
4. Physical Working Capital	4572	580	2162	3756	77609
5. Working Capital	8245	623	2191	-14969	-353551
6. Invested Capital	5935	940	6193	35045	263995
7. Gross Value of Addition to Fixed Capital	100	2	2646	7855	38998
8. Rent Paid for Fixed Assets	14	22	15	198	4358
9. Outstanding Loan	2573	180	1729	7521	76123
10. Interest Paid	129	45	170	1921	8856
11. Rent Received for Fixed Assets	4	0	0	1	324
12. Interest Received	26	2	45	17	1031
13. Gross Value of Plant & Machinery	971	6	1758	44291	149659
14. Value of Product and By-Product	13261	491	4452	26409	171103
15. Total Output	15526	4047	5061	57510	796482
16. Fuels Consumed	86	38	109	1050	7710
17. Materials Consumed	11820	508	2342	26143	155205
18. Total Inputs	13362	3329	3984	36963	666543
19. Gross Value Added	2164	718	1078	20547	129939
20. Depreciation	164	6	243	3967	10631
21. Net Value Added	2000	712	834	16581	119308
22. Net Fixed Capital Formation	-68	-4	2402	3779	27126
23. Gross Fixed Capital Formation	96	2	2646	7745	37757
24. Addition in stock of	1392	74	-62	1263	-16933
(a) Materials, Fuels etc.	1379	74	29	1262	-18239
(b) Semi Finished Goods	-3	0	-43	-6	83
(c) Finished Goods	16	0	-48	7	1223
25. Gross Capital Formation	1489	76	2584	9008	20823
26. Income	1887	647	694	14481	107449
27. Profit	1594	112	-374	3819	71038

Table 1.2: Districtwise estimate of significant characteristics of factory sector of Kerala for the year 2013-14

<i>All Industries</i>	<i>(Values in ` Lakh unless otherwise mentioned)</i>							
<i>Characteristics</i>	<i>All</i>	<i>Kasargod</i>	<i>Kannur</i>	<i>Wayanad</i>	<i>Kozhikode</i>	<i>Malapuram</i>	<i>Palakkad</i>	<i>Thrissur</i>
1. Number of Factories (no.)	7,132	383	901	48	462	230	471	882
2. Factories in Operation (no.)	6,050	350	549	47	398	197	405	777
3. Fixed Capital	2,454,515	7909	55904	8470	102363	29751	131392	98586
4. Physical Working Capital	1,587,899	15146	47700	1273	39529	34424	125570	72399
5. Working Capital	665,378	14940	31090	978	2079	14326	90736	35403
6. Invested Capital	4,042,414	23055	103604	9743	141891	64175	256961	170985
7. Gross Value of Addition to Fixed Capital	886,394	674	12364	1864	23100	7169	21779	17380
8. Rent Paid for Fixed Assets	17,362	16	203	75	990	699	1323	1233
9. Outstanding Loan	1,100,032	5490	41410	4169	33530	21909	182595	62632
10. Interest Paid	145,074	425	4995	175	4999	2688	12179	7100
11. Rent Received for Fixed Assets	3,616	0	24	0	74	4	50	67
12. Interest Received	23,748	46	246	52	640	179	1950	1329
13. Gross Value of Plant & Machinery	2,138,172	7467	35487	6462	75970	18523	143896	75303
14. Value of Product and By-Product	12,060,303	47601	125895	43561	352485	144590	471974	656904
15. Total Output	13,573,186	55574	153807	47367	443654	196915	562886	712220
16. Fuels Consumed	559,768	565	7514	2135	9768	6329	45128	20989
17. Materials Consumed	9,920,841	39310	85972	30442	257931	112086	351511	460224
18. Total Inputs	12,014,394	45216	120313	39934	362908	168165	488292	607130
19. Gross Value Added	1,558,792	10358	33495	7433	80747	28750	74594	105091
20. Depreciation	188,636	737	4540	817	10042	3208	12980	11294
21. Net Value Added	1,370,156	9622	28955	6616	70704	25543	61614	93797
22. Net Fixed Capital Formation	613,798	-120	6717	991	10959	2605	6480	1939
23. Gross Fixed Capital Formation	802,434	617	11257	1808	21002	5813	19460	13232
24. Addition in stock of	38,022	4149	3990	147	7561	5885	5826	7555
(a) Materials, Fuels etc.	15,752	3122	3323	136	2761	5513	6062	5380
(b) Semi Finished Goods	2,250	809	244	0	337	327	-5172	284
(c) Finished Goods	20,021	219	423	11	4463	45	4935	1891
25. Gross Capital Formation	840,456	4766	15247	1955	28563	11697	25286	20788
26. Income	1,235,083	9227	24027	6417	65430	22339	50111	86860
27. Profit	573,135	2676	2946	3105	27179	9065	11475	35049

Table 1.2 Districtwise estimate of significant characteristics of factory sector of Kerala for the year 2013-14

<i>All Industries</i>	<i>((Values in ` Lakh unless otherwise mentioned))</i>						
<i>Characteristics</i>	Ernakulam	Idukki	Kottayam	Alappuzha	Pathanamthitta	Kollam	Thiruvananthapuram
1. Number of Factories (no.)	1241	131	374	536	169	1061	243
2. Factories in Operation (no.)	1048	123	345	469	165	948	228
3. Fixed Capital	1465802	46287	140562	135863	54212	96268	81145
4. Physical Working Capital	806811	39119	105953	95776	15120	142086	46996
5. Working Capital	364262	41784	-125830	77345	5355	53912	58998
6. Invested Capital	2272613	85405	246515	231639	69332	238353	128142
7. Gross Value of Addition to Fixed Capital	666097	5226	58084	27736	21276	14193	9451
8. Rent Paid for Fixed Assets	6070	601	1587	1957	552	1078	977
9. Outstanding Loan	404216	24462	42052	85013	27485	121550	43518
10. Interest Paid	54713	2908	11321	16558	4678	16738	5598
11. Rent Received for Fixed Assets	2348	21	61	661	66	51	187
12. Interest Received	12591	222	939	2376	217	2551	410
13. Gross Value of Plant & Machinery	1407938	29126	146254	69480	19521	34482	68264
14. Value of Product and By-Product	7895331	155694	622906	472095	116021	733318	221925
15. Total Output	8522077	178947	819873	563087	136369	891403	289006
16. Fuels Consumed	355317	8565	31060	15559	7752	28411	20676
17. Materials Consumed	6847061	93147	517186	391128	68737	539555	126552
18. Total Inputs	7806468	136947	660769	499732	103200	764134	211188
19. Gross Value Added	715609	42000	159105	63355	33169	127269	77818
20. Depreciation	95435	3484	16300	10835	4902	7450	6614
21. Net Value Added	620174	38516	142805	52520	28267	119819	71204
22. Net Fixed Capital Formation	526994	137	21796	14804	13671	5274	1548
23. Gross Fixed Capital Formation	622430	3621	38096	25639	18573	12725	8162
24. Addition in stock of	12595	-7257	15774	4188	64	-23595	1141
(a) Materials, Fuels etc.	8801	-11820	10637	2918	-1474	-17513	-2096
(b) Semi Finished Goods	3462	681	1019	-2594	1250	811	790
(c) Finished Goods	331	3882	4117	3863	287	-6894	2448
25. Gross Capital Formation	635025	-3636	53870	29827	18636	-10871	9303
26. Income	574330	35251	130897	37043	23321	104604	65227
27. Profit	345943	21424	76692	529	6021	12118	18914

Table 2 : <u>Distribution of estimate of (i) employment, (ii) mandays employed and (iii) emoluments paid in the factory sector of Kerala</u>		
A.	No. of Persons Engaged (no.):	347,374
1	Workers	287,071
1	Directly Employed	254,790
	Men	100,763
	Women	154,027
1	Employed through Contractors	32,280
2	Employees other than Workers	58,514
2	Supervisory and Managerial	27,341
2	Other Employees	31,173
3	Unpaid family members/proprietor etc	1,774
B.	Total Mandays Employed (in '000)	102,187
C.	Wages and Salaries including Employers Contribution (₹ lakhs):	661,948
1	Wages and Salary including Bonus	561,078
1	Wages and Salary	526,871
1.1.	1 Workers	318,222
1.1.	2 Supervisory & Managerial	136,761
1.1.	3 Other Employees	71,888
1	Bonus to all staff	34,207
2	Employers' Contribution	100,870

Table 2.1 :Distribution of estimate of (i)Employment (ii) Emoluments and (iii) mandays worked at Industry (NIC 2008 -3 digit) of Kerala for the year 2013-14												
<i>Characteristics</i>		3-digit industry class :NIC-2008										
		All	101	102	103	104	105	106	107	108	110	120
A.	No. of Persons Engaged (no.):	347374	103	7232	312	2861	4702	3665	129817	1675	5147	12118
1	Workers	287071	69	5606	232	1835	3573	2429	122396	1313	4194	11738
1.1	Directly Employed	254790	69	5060	220	1657	2107	2102	121905	1003	2081	7050
	Men	100763	38	1592	53	1129	1346	1478	9886	954	1116	362
	Women	154027	31	3468	167	528	761	624	112019	49	965	6688
1.2	Employed through contractors	32280	0	546	12	178	1466	327	491	310	2113	4688
2	Employees other than workers	58514	33	1617	75	1015	1116	1175	7122	362	941	252
2.1	Supervisory and Managerial	27341	16	784	45	661	436	671	3079	153	462	156
2.2	Other Employees	31173	17	833	30	354	680	504	4044	209	479	95
3	Unpaid family members/proprietor etc	1775	1	9	5	12	13	61	299	0	13	129
B.	Total Mandays Employed (in '000)	102187	30	2440	86	873	1628	1051	35464	524	1522	3213
C.	Wages and Salaries including Employers' Contribution (lakhs):	661948	258	13692	360	12590	12579	6393	104535	4047	9809	6830
1	Wages and Salary including Bonus	561078	201	11741	323	11090	10222	5635	90701	2971	8918	6066
1.1	Wages and Salary	526871	199	11235	315	10397	10068	5399	78586	2740	8429	5415
	1.1.1 Workers	318222	109	5430	182	3184	6402	3112	64344	1555	5003	5128
	1.1.2 Supervisory & Managerial	136761	45	3600	87	5247	1841	1649	8937	639	2357	184
	1.1.3 Other Employees	71888	45	2205	47	1966	1825	639	5305	546	1069	103
1.2	Bonus to all Staff	34207	2	506	8	693	154	236	12115	231	488	651
1.2	Employers' Contribution	100870	57	1951	37	1500	2357	758	13834	1076	891	764

Table 2.1 : Distribution of estimate of (i)Employment (ii) Emoluments and (iii) mandays worked at Industry (NIC 2008 -3 digit) of Kerala for the year 2013-14

<i>Characteristics</i>		3-digit industry class :NIC-2008									
		131	139	141	151	152	161	162	170	181	191
A.	No. of Persons Engaged (no.):	13652	7151	7689	531	7557	1701	6879	3929	5483	545
1	Workers	11971	5451	6626	490	6145	1325	5038	3180	3071	219
1.1	Directly Employed	11044	5283	6561	490	6145	1325	4729	2116	2774	210
	Men	5574	3801	1562	321	4504	884	3534	1587	2428	208
	Women	5470	1482	4998	169	1641	441	1194	529	347	2
1.2	Employed through contractors	927	168	65	0	0	0	309	1064	297	9
2	Employees other than workers	1650	1660	1060	41	1395	269	1726	727	2401	325
2.1	Supervisory and Managerial	705	518	550	20	878	136	1137	428	709	238
2.2	Other Employees	945	1142	510	21	517	134	589	299	1692	87
3	Unpaid family members/proprietor etc	31	40	4	0	17	106	115	23	11	1
B.	Total Mandays Employed (in '000)	4479	2089	2306	159	2270	398	1871	1291	1827	198
C.	Wages and Salaries including Employers' Contribution (' lakhs):	24329	10324	10691	718	13678	1384	7835	10702	26067	2040
1	Wages and Salary including Bonus	19462	8481	9046	641	12007	1312	6982	9226	21920	1647
1.1	Wages and Salary	18277	7547	8289	598	11167	1237	6708	9074	21152	1514
	1.1.1 Workers	13806	4631	4781	513	8068	913	4229	6203	7361	484
	1.1.2 Supervisory & Managerial	2807	1503	1763	56	2366	192	1983	1871	6186	845
	1.1.3 Other Employees	1664	1414	1745	29	733	131	496	1000	7605	185
1.2	Bonus to all Staff	1185	934	757	43	840	76	274	152	768	133
1.2	Employers' Contribution	4867	1843	1645	77	1670	72	852	1476	4147	393

Table 2.1 : Distribution of estimate of (i)Employment (ii) Emoluments and (iii) mandays worked at Industry (NIC 2008 -3 digit) of Kerala for the year 2013-14

<i>Characteristics</i>		3-digit industry class :NIC-2008									
		192	201	202	210	221	222	231	239	241	242
A.	No. of Persons Engaged (no.):	5775	7483	4205	9430	14731	5550	117	19051	3021	494
1	Workers	4733	5265	2748	5244	10761	4137	83	15393	2356	353
1.1	Directly Employed	1232	4289	2116	4492	9674	3133	82	12650	782	254
	Men	1226	4246	1633	2939	8240	2407	79	9854	749	251
	Women	6	43	483	1553	1434	725	3	2796	32	3
1.2	Employed through contractors	3501	976	632	751	1086	1004	1	2743	1575	99
2	Employees other than workers	1028	2216	1420	4155	3933	1371	34	3190	659	138
2.1	Supervisory and Managerial	796	1450	666	720	1698	588	22	1698	345	121
2.2	Other Employees	232	766	754	3434	2235	783	12	1492	314	16
3	Unpaid family members/proprietor etc	14	2	37	32	37	43	0	469	6	3
B.	Total Mandays Employed (in '000)	2064	2678	1290	2800	4738	1791	35	5361	932	172
C.	Wages and Salaries including Employers' Contribution (' lakhs):	36341	49583	14511	24320	47210	13349	217	43456	3879	2949
1	Wages and Salary including Bonus	29743	39894	12245	20551	39415	11436	193	37596	3517	2540
1.1	Wages and Salary	29472	38695	11618	19562	37928		186	35555	3428	2535
	1.1.1 Workers	16447	21974	4734	8980	26255	5683	99	23027	1940	1246
	1.1.2 Supervisory & Managerial	10080	13159	5464	3315	8609	2694	68	9497	1056	1231
	1.1.3 Other Employees	2945	3562	1421	7267	3064	1476	20	3030	432	57
1.2	Bonus to all Staff	270	1199	627	989	1488	1584	6	2041	89	5
1.2	Employers' Contribution	6598	9689	2266	3768	7794	1912	24	5860	362	409

Table 2.1 : Distribution of estimate of (i)Employment (ii) Emoluments and (iii) mandays worked at Industry (NIC 2008 -3 digit) of Kerala for the year 2013-14

<i>Characteristics</i>		3-digit industry class :NIC-2008									
		243	251	259	261	263	264	265	271	272	273
A.	No. of Persons Engaged (no.):	1428	1859	2453	6240	1744	54	1254	4478	60	832
1	Workers	1109	1445	1897	4996	1032	27	714	2834	35	571
1.1	Directly Employed	680	1441	1864	4215	529	27	381	2589	35	500
	Men	625	1250	1502	2802	302	21	303	1910	22	429
	Women	55	192	362	1413	227	6	78	679	13	72
1.2	Employed through contractors	429	4	33	781	503	0	333	245	0	71
2	Employees other than workers	314	397	503	1243	712	27	540	1636	24	258
2.1	Supervisory and Managerial	136	207	245	695	555	3	357	627	13	98
2.2	Other Employees	178	190	258	548	158	24	183	1009	11	160
3	Unpaid family members/proprietor etc	6	17	53	1	0	0	0	9	1	3
B.	Total Mandays Employed (in '000)	425	579	713	1861	520	15	376	1336	18	248
C.	Wages and Salaries including Employers' Contribution (₹ lakhs):	3578	4837	4706	15721	6588	489	4924	12878	69	3248
1	Wages and Salary including Bonus	2876	4018	3808	13885	5003	439	4032	10180	59	2814
1.1	Wages and Salary	2837	3775	3589	13195	4875	343	4002	9728	59	2726
	1.1.1 Workers	1571	2442	2441	7794	1987	107	1821	4825	37	1608
	1.1.2 Supervisory & Managerial	943	1017	807	4433	2452	44	1744	3566	17	877
	1.1.3 Other Employees	323	316	341	968	436	191	437	1337	5	241
1.2	Bonus to all Staff	39	243	219	690	129	96	30	451	0	88
1.2	Employers' Contribution	702	819	898	1836	1585	51	892	2698	10	434

Table 2.1 : Distribution of estimate of (i)Employment (ii) Emoluments and (iii) mandays worked at Industry (NIC 2008 -3 digit) of Kerala for the year 2013-14

<i>Characteristics</i>		3-digit industry class :NIC-2008									
		274	279	281	282	292	293	301	310	321	325
A.	No. of Persons Engaged (no.):	545	727	362	2462	215	39	4081	1492	419	1019
1	Workers	432	644	219	1699	163	25	3516	1151	231	747
1.1	Directly Employed	428	206	188	1400	163	25	1036	922	43	729
	Men	274	116	181	1344	163	25	1003	758	33	363
	Women	154	90	7	56	0	0	33	164	10	366
1.2	Employed through contractors	4	438	31	299	0	0	2480	229	188	18
2	Employees other than workers	113	81	139	754	50	13	562	320	183	270
2.1	Supervisory and Managerial	87	29	106	389	38	8	414	106	51	129
2.2	Other Employees	26	52	33	365	12	5	148	214	132	141
3	Unpaid family members/proprietor etc	0	3	4	10	2	1	3	21	5	3
B.	Total Mandays Employed (in '000)	179	217	107	716	63	11	1136	428	124	295
C.	Wages and Salaries including Employers' Contribution (lakhs):	1028	1205	2469	7891	452	75	23272	1993	767	2115
1	Wages and Salary including Bonus	858	944	2401	5819	405	66	20716	1724	706	1806
1.1	Wages and Salary	810	839	2379	5573	396	60	19511	1664	682	1691
	1.1.1 Workers	493	665	345	3145	240	35	6821	1225	237	958
	1.1.2 Supervisory & Managerial	274	74	1999	1546	137	20	6386	207	239	425
	1.1.3 Other Employees	43	101	35	881	20	5	6304	232	206	308
1.2	Bonus to all Staff	48	105	21	246	9	6	1205	60	25	114
1.2	Employers' Contribution	170	261	68	2073	46	9	2556	269	60	309

Table 2.1 : Distribution of estimate of (i)Employment (ii) Emoluments and (iii) mandays worked at Industry (NIC 2008 -3 digit) of Kerala for the year 2013-14						
<i>Characteristics</i>		3-digit industry class :NIC-2008				
		329	331	332	581	others
A.	No. of Persons Engaged (no.):	245	242	488	2362	19672
1	Workers	207	176	274	1103	13857
1.1	Directly Employed	197	173	274	1055	13061
	Men	108	167	194	972	11920
	Women	89	6	80	83	1142
1.2	Employed through contractors	10	3	0	48	795
2	Employees other than workers	31	66	215	1259	5705
2.1	Supervisory and Managerial	17	40	135	283	2694
2.2	Other Employees	15	26	80	976	3011
3	Unpaid family members/proprietor etc	7	0	0	0	95
B.	Total Mandays Employed (in '000)	66	73	146	841	6112
C.	Wages and Salaries including Employers' Contribution (lakhs):	293	535	1068	10661	36411
1	Wages and Salary including Bonus	252	454	914	8768	32409
1.1	Wages and Salary	223	418	873	8585	30860
	1.1.1 Workers	177	268	429	2618	20110
	1.1.2 Supervisory & Managerial	31	112	288	3148	6644
	1.1.3 Other Employees	15	38	156	2819	4106
1.2	Bonus to all Staff	29	36	41	183	1549
1.2	Employers' Contribution	41	80	154	1893	4002

Table 2.2-District wise estimate of (i) employment, (ii) mandays employed and (iii) emoluments paid in the factory sector of Kerala

<i>Characteristics</i>		<i>Districts</i>							
		<i>Total</i>	<i>Kasargod</i>	<i>Kannur</i>	<i>Wayanad</i>	<i>Kozhikode</i>	<i>Malapuram</i>	<i>Palakkad</i>	<i>Thrissur</i>
A.	No. of Persons Engaged (no.):	347,375	9469	17938	1878	18390	5386	16913	19007
1	Workers	287,071	8434	15850	1533	13949	4046	12426	13305
1.1	Directly Employed	254,790	4411	14460	1418	12985	3800	7324	11396
	Men	100,763	1038	5450	1061	9962	3133	4916	6905
	Women	154,027	3373	9010	357	3023	668	2408	4491
1.2	Employed through contractors	32,280	4023	1389	115	964	246	5103	1910
2	Employees other than workers	58,514	944	2012	341	4409	1326	4343	5352
2.1	Supervisory and Managerial	27,341	720	792	160	1624	511	2185	2186
2.2	Other Employees	31,173	223	1220	182	2784	815	2159	3166
3	Unpaid family members/proprietor etc	1,775	92	76	4	32	14	143	334
B.	Total Mandays Employed (in '000)	102,187	2468	5253	591	5705	1681	5019	5657
C.	Wages and Salaries including Employers contribution(Rs Lakhs)	661,948	6550	21082	3312	38251	13273	38636	51811
1	Wages and Salary including Bonus	561,078	6013	17869	2905	32586	11173	32237	43640
1.1	Wages and Salary	526,871	5544	16426	2779	31104	10722	30635	41244
	1.1.1 Workers	318,222	4080	12518	2035	18554	6455	16345	25292
	1.1.2 Supervisory & Managerial	136,761	1206	1955	371	7198	2389	10446	7619
	1.1.3 Other Employees	71,888	257	1953	373	5352	1878	3844	8333
1.2	Bonus to all Staff	34,207	469	1443	127	1482	451	1603	2396
2	Employers' Contribution	100,870	537	3212	407	5666	2100	6399	8170

Table 2.2- District wise estimate of (i) employment, (ii) mandays employed and (iii) emoluments paid in the factory sector of Kerala

<i>Characteristics</i>		<i>Districts</i>						
		Ernakulam	Idukki	Kottayam	Alapuzha	Pathanamthitta	Kollam	Thiruvananthapuram
A.	No. of Persons Engaged (no.):	64870	9025	14758	25948	12052	108748	22992
1	Workers	47572	6646	10456	21473	10403	102697	18280
1.1	Directly Employed	36868	6386	8971	20464	10111	102126	14071
	Men	28683	3588	7325	9360	4095	10113	5135
	Women	8184	2799	1646	11104	6016	92014	8936
1.2	Employed through contractors	10704	260	1485	1009	293	570	4209
2	Employees other than workers	17081	2350	4262	4322	1604	5530	4638
2.1	Supervisory and Managerial	9564	914	2087	1617	682	2395	1903
2.2	Other Employees	7517	1437	2174	2706	922	3134	2734
3	Unpaid family members/proprietor etc	217	28	41	153	45	522	74
B.	Total Mandays Employed (in '000)	20957	2934	4719	7468	3336	29570	6832
C.	Wages and Salaries including Employers contribution(Rs Lakhs)	228387	13827	54206	36513	17299	92487	46314
1	Wages and Salary including Bonus	192617	11734	46551	29859	15549	79607	38736
1.1	Wages and Salary	184446	11032	45057	27442	14386	69310	36744
	1.1.1 Workers	93209	6225	23375	18107	9323	59784	22918
	1.1.2 Supervisory & Managerial	65178	2848	12551	5553	3621	5858	9968
	1.1.3 Other Employees	26059	1959	9132	3782	1442	3668	3858
1.2	Bonus to all Staff	8170	702	1494	2417	1163	10296	1992
2	Employers' Contribution	35770	2092	7654	6654	1750	12880	7577

Table 3 Distribution of Districtwise estimate of fuels consumed by factory sector of kerala for the year 2013-14							
Districts	Type of fuel (Value figures in ₹ Thousand)						
	Coal	Electricity			Petroleum Products	Other Fuels	Total
	Quantity Th.Tonne	Value	Quantity Th. Kwh.	Value	Value	Value	Value
KASARGOD	0	0	2512	42979	8825	4685	56489
KANNUR	0	198	53002	487252	123366	140617	751433
WAYANAD	0	0	6721	90684	44581	78191	213456
KOZHIKODE	0	3059	69118	534820	343811	95140	976831
MALAPPURAM	0	0	34242	252335	256047	124543	632925
PALAKKAD	76	522570	299125	3271339	433708	285175	4512792
THRISSUR	30	175677	142909	1199801	525567	197844	2098890
ERNAKULAM	22	97538	963183	6231121	26059215	3143811	35531684
IDUKKI	0	0	35680	343677	334529	178248	856454
KOTTAYAM	172	743548	200842	1373922	791033	197505	3106008
ALAPPUZHA	0	0	68153	840524	567950	147436	1555910
PATHANAMTHITTA	0	0	14829	196323	560689	18160	775172
KOLLAM	14	331110	117961	756090	1379461	374439	2841100
TRIVANDRUM	0	0	99458	642655	1344097	80879	2067632
Total	315	1,873,701	2,107,735	16,263,520	32,772,881	5,066,673	55,976,775

Table 4: Distribution of estimate of some significant characteristics of factory sector of State by 2 digit of NIC'08 for the year 2013-14

<i>Characteristics</i>	<i>2-digit industry class :NIC-2008 (Values in ` Lakh unless otherwise mentioned)</i>									
	All	10	11	12	13	14	15	16	17	18
1. Number of Factories (no.)	7,132	1421	47	743	414	40	160	772	124	140
2. Factories in Operation (no.)	6,050	1330	45	438	351	37	115	640	109	128
3. Fixed Capital	2,454,515	299042	24076	2816	84143	22915	24390	24912	38193	77240
4. Physical Working Capital	1,587,899	344289	11905	467	67930	5954	26955	34568	16226	16909
5. Working Capital	665,378	318835	76707	-689	9205	3667	14776	24467	3115	24744
6. Invested Capital	4,042,414	643331	35981	3283	152073	28869	51346	59480	54418	94149
7. Gross Value of Addition to Fixed Capital	886,394	46999	5118	0	15407	8503	7906	3152	2363	37550
8. Rent Paid for Fixed Assets	17,362	3440	132	19	566	158	387	101	132	1074
9. Outstanding Loan	1,100,032	198306	121520	1225	114990	5607	8965	19299	8759	33473
10. Interest Paid	145,074	37690	1565	2	16136	1357	1629	2589	2285	4384
11. Rent Received for Fixed Assets	3,616	863	64	4	72	13	0	3	48	52
12. Interest Received	23,748	5511	365	0	1534	87	53	50	167	496
13. Gross Value of Plant & Machinery	2,138,172	143706	28059	0	100525	16703	18375	16600	51150	69799
14. Value of Product and By-Product	12,060,303	2138706	101302	5248	296259	63419	213381	125191	80050	75755
15. Total Output	13,573,186	2337544	105780	11208	349734	68373	221424	135644	81889	163764
16. Fuels Consumed	559,768	43540	2462	19	17534	2065	1897	5165	17410	3252
17. Materials Consumed	9,920,842	1658321	72481	1993	214660	39884	142408	90351	43882	64894
18. Total Inputs	12,014,395	2030798	87030	4647	295049	49203	183444	116514	66469	99494
19. Gross Value Added	1,558,791	306747	18750	6561	54685	19170	37980	19130	15420	64270
20. Depreciation	188,636	26729	2758	22	8886	1526	3902	2684	2586	9317
21. Net Value Added	1,370,155	280018	15992	6539	45799	17644	34077	16446	12834	54952
22. Net Fixed Capital Formation	613,798	12625	1440	-22	5950	6207	1711	418	-363	8320
23. Gross Fixed Capital Formation	802,434	39354	4197	0	14836	7733	5613	3102	2223	17638
24. Addition in stock of	38,021	-30887	-1866	231	6313	-3349	4024	6964	2576	2956
(a) Materials, Fuels etc.	15,752	-26139	-1512	16	4104	-3966	1302	4661	1346	3044
(b) Semi Finished Goods	2,249	-3876	-223	0	-2566	85	1138	1081	49	169
(c) Finished Goods	20,021	-873	-131	215	4775	532	1584	1222	1182	-257
25. Gross Capital Formation	840,455	8467	2331	231	21149	4384	9637	10066	4799	20593
26. Income	1,235,082	245262	14724	6522	30703	16229	32115	13808	10632	50042
27. Profit	573,135	90809	4915	-308	-3950	5538	17720	4589	-70	23975

Table 4: Distribution of estimate of some significant characteristics of factory sector of State by 2 digit of NIC'08 for the year 2013-14

<i>Characteristics</i>	<i>2-digit industry class :NIC-2008 (Values in ` Lakh unless otherwise mentioned)</i>									
	19	20	21	22	23	24	25	26	27	28
1. Number of Factories (no.)	27	147	155	583	1044	124	175	46	83	65
2. Factories in Operation (no.)	27	133	154	479	860	110	163	43	80	64
3. Fixed Capital	1010200	116874	52790	130643	135963	53400	14194	42579	18192	8925
4. Physical Working Capital	417935	121759	38244	125420	41317	72515	15081	46292	18782	13647
5. Working Capital	126118	63844	31485	95423	38161	17061	12401	10037	25142	17078
6. Invested Capital	1428134	238633	91034	256062	177280	125915	29275	88871	36974	22573
7. Gross Value of Addition to Fixed Capital	584371	19771	12669	29199	15545	15257	5858	6147	3076	1012
8. Rent Paid for Fixed Assets	123	863	1390	746	1411	206	72	594	504	62
9. Outstanding Loan	209361	55483	30407	65232	44090	37391	7756	7565	20509	1711
10. Interest Paid	11407	13943	5491	11827	5579	7405	988	3297	2784	665
11. Rent Received for Fixed Assets	933	321	22	66	74	15	6	400	11	190
12. Interest Received	611	2448	516	1372	1478	1721	123	389	256	313
13. Gross Value of Plant & Machinery	858167	204035	29421	118436	93595	58796	13310	62738	19701	7524
14. Value of Product and By-Product	5972139	594276	127341	1039688	266850	316183	65007	171323	91924	42632
15. Total Output	5995734	618542	157106	1143253	278532	356810	75684	213233	105072	46524
16. Fuels Consumed	256883	63024	9457	36782	43424	35553	4140	2890	1465	746
17. Materials Consumed	5366228	410661	93305	769724	113734	256601	42902	120277	63260	27418
18. Total Inputs	5685884	518860	134222	972039	199980	342456	59603	166309	79619	33443
19. Gross Value Added	309850	99681	22884	171215	78552	14355	16082	46924	25453	13081
20. Depreciation	52342	11996	6044	14657	12011	4272	1559	5213	2627	1123
21. Net Value Added	257508	87685	16840	156558	66542	10083	14522	41711	22826	11958
22. Net Fixed Capital Formation	512398	241	5430	13201	922	9448	3502	-620	-376	-173
23. Gross Fixed Capital Formation	564740	12237	11474	27858	12932	13720	5061	4594	2251	950
24. Addition in stock of	62984	-24303	6660	13668	2315	-6857	1602	2115	-771	1316
(a) Materials, Fuels etc.	48442	-16101	4368	4313	757	-3762	595	-1522	179	-854
(b) Semi Finished Goods	2203	4075	402	-354	375	-822	561	2263	1831	558
(c) Finished Goods	12338	-12276	1890	9708	1183	-2272	446	1374	-2780	1612
25. Gross Capital Formation	627724	-12066	18135	41526	15247	6863	6663	6708	1480	2266
26. Income	247523	75648	10497	145423	61103	4208	13591	38608	19806	11733
27. Profit	209142	11554	-13823	84865	17430	-6198	4048	10679	1378	1373

Table 4: Distribution of estimate of some significant characteristics of factory sector of State by 2 digit of NIC'08 for the year 2013-14							
<i>2-digit industry class :NIC-2008 (Values in ` Lakh unless otherwise mentioned)</i>							
Characteristics	29	30	31	32	33	58	others
1. Number of Factories (no.)	8	22	87	55	45	20	585
2. Factories in Operation (no.)	7	19	81	53	33	20	533
3. Fixed Capital	281	42774	4446	6618	4391	31290	183230
4. Physical Working Capital	170	50487	4680	16106	2743	3756	73765
5. Working Capital	309	103302	1838	15119	2814	-14969	-354614
6. Invested Capital	452	93260	9127	22724	7133	35045	256994
7. Gross Value of Addition to Fixed Capital	88	16265	178	1065	2648	7855	38394
8. Rent Paid for Fixed Assets	3	537	53	200	38	198	4353
9. Outstanding Loan	58	19659	2992	5921	1909	7521	70323
10. Interest Paid	34	2381	302	698	215	1921	8500
11. Rent Received for Fixed Assets	0	110	19	4	0	1	324
12. Interest Received	1	5250	7	75	47	17	859
13. Gross Value of Plant & Machinery	33	32654	2591	2782	1764	44291	143419
14. Value of Product and By-Product	2097	-1264	8411	69041	4943	26409	163992
15. Total Output	2827	166737	9583	74759	9109	57510	786811
16. Fuels Consumed	32	2734	280	335	148	1050	7479
17. Materials Consumed	1497	81699	4570	60541	2850	26143	150557
18. Total Inputs	2075	108566	7053	66666	7313	36963	660696
19. Gross Value Added	751	58171	2530	8093	1796	20547	126115
20. Depreciation	40	2699	366	783	250	3967	10276
21. Net Value Added	711	55472	2164	7310	1546	16581	115839
22. Net Fixed Capital Formation	48	504	-216	-62	2398	3779	27087
23. Gross Fixed Capital Formation	88	3203	151	722	2648	7745	37363
24. Addition in stock of	-274	4588	369	4249	12	1263	-17875
(a) Materials, Fuels etc.	-285	9481	47	4189	103	1262	-18316
(b) Semi Finished Goods	12	-4806	127	55	-43	-6	-36
(c) Finished Goods	-1	-88	195	4	-48	7	478
25. Gross Capital Formation	-186	7791	520	4971	2660	9008	19489
26. Income	676	57913	1835	6491	1341	14481	104168
27. Profit	149	31655	-158	3316	-262	3819	70951

Table 4.1 :Distribution of estimate of (i) employment, (ii) mandays employed and (iii) emoluments paid in the factory sector of Kerala by NIC 2008 -2 digit)

<i>Characteristics</i>		<i>All</i>	2-digit industry class :NIC-2008								
			10	11	12	13	14	15	16	17	18
A.	No. of Persons Engaged (no.):	347,374	150367	5147	12118	20802	7689	8088	8580	3929	5483
1	Workers	287,071	137452	4194	11738	17422	6626	6635	6363	3180	3071
1.1	Directly Employed	254,790	134122	2081	7050	16327	6561	6635	6054	2116	2774
	Men	100,763	16475	1116	362	9376	1562	4825	4418	1587	2428
	Women	154,027	117647	965	6688	6951	4998	1810	1636	529	347
1.2	Employed through contractors	32,280	3330	2113	4688	1095	65	0	309	1064	297
2	Employees other than workers	58,514	12515	941	252	3310	1060	1436	1996	727	2401
2.1	Supervisory and Managerial	27,341	5843	462	156	1223	550	898	1273	428	709
2.2	Other Employees	31,173	6671	479	95	2087	510	538	723	299	1692
3	Unpaid family members/proprietor etc	1,775	400	13	129	71	4	17	221	23	11
B.	Total Mandays Employed (in '000)	102,187	42097	1522	3213	6569	2306	2429	2269	1291	1827
C.	Wages and Salaries including Employers contribution(Rs Lakhs)	661,948	154453	9809	6830	34652	10691	14396	9219	10702	26067
1	Wages and Salary including Bonus	561,078	132884	8918	6066	27943	9046	12649	8294	9226	21920
1.1	Wages and Salary	526,871	118939	8429	5415	25824	8289	11765	7945	9074	21152
	1.1.1 Workers	318,222	84318	5003	5128	18437	4781	8582	5142	6203	7361
	1.1.2 Supervisory & Managerial	136,761	22044	2357	184	4309	1763	2422	2175	1871	6186
	1.1.3 Other Employees	71,888	12576	1069	103	3078	1745	762	627	1000	7605
1.2	Bonus to all Staff	34,207	13945	488	651	2119	757	883	350	152	768
2	Employers' Contribution	100,870	21569	891	764	6709	1645	1747	925	1476	4147

Table 4.1 : Distribution of estimate of (i) employment, (ii) mandays employed and (iii) emoluments paid in the factory sector of Kerala by NIC 2008 -2 digit

<i>Characteristics</i>		2-digit industry class :NIC-2008									
		19	20	21	22	23	24	25	26	27	28
A.	No. of Persons Engaged (no.):	6320	11688	9430	20281	19168	4942	4312	9389	6642	2824
1	Workers	4952	8013	5244	14897	15476	3818	3342	6825	4516	1918
1.1	Directly Employed	1442	6405	4492	12807	12732	1715	3305	5169	3758	1588
	Men	1434	5879	2939	10647	9933	1625	2751	3435	2750	1525
	Women	8	526	1553	2160	2799	91	554	1734	1008	63
1.2	Employed through contractors	3510	1608	751	2090	2744	2103	37	1656	758	330
2	Employees other than workers	1353	3635	4155	5304	3224	1110	900	2563	2111	893
2.1	Supervisory and Managerial	1034	2115	720	2286	1720	602	452	1651	853	495
2.2	Other Employees	319	1520	3434	3018	1504	508	448	913	1258	398
3	Unpaid family members/proprietor etc	15	40	32	79	469	15	70	1	15	14
B.	Total Mandays Employed (in '000)	2262	3968	2800	6529	5396	1529	1292	2788	1999	823
C.	Wages and Salaries including Employers contribution(Rs Lakhs)	38382	64094	24320	60558	43674	10406	9543	27930	18428	10360
1	Wages and Salary including Bonus	31390	52139	20551	50852	37789	8933	7826	23549	14855	8219
1.1	Wages and Salary	30986	50313	19562	47780	35741	8800	7363	22604	14162	7952
	1.1.1 Workers	16931	26708	8980	31937	23126	4757	4883	11773	7629	3491
	1.1.2 Supervisory & Managerial	10925	18623	3315	11303	9565	3230	1824	8798	4808	3545
	1.1.3 Other Employees	3131	4983	7267	4540	3050	812	656	2033	1726	917
1.2	Bonus to all Staff	403	1825	989	3072	2047	133	462	945	693	267
2	Employers' Contribution	6992	11955	3768	9707	5885	1473	1718	4381	3573	2141

Table 4.1 : Distribution of estimate of (i) employment, (ii) mandays employed and (iii) emoluments paid in the factory sector of Kerala by NIC 2008 -2 digit								
<i>Characteristics</i>		2-digit industry class :NIC-2008						
		29	30	31	32	33	58	others
A.	No. of Persons Engaged (no.):	254	4872	1492	1683	730	2362	18783
1	Workers	188	4106	1151	1185	449	1103	13210
1.1	Directly Employed	188	1422	922	969	446	1055	12657
	Men	188	1379	758	504	360	972	11537
	Women	0	43	164	466	86	83	1121
1.2	Employed through contractors	0	2684	229	216	3	48	552
2	Employees other than workers	63	763	320	484	281	1259	5463
2.1	Supervisory and Managerial	46	547	106	196	175	283	2520
2.2	Other Employees	17	216	214	288	106	976	2943
3	Unpaid family members/proprietor etc	3	3	21	15	0	0	95
B.	Total Mandays Employed (in '000)	74	1376	428	484	219	841	5857
C.	Wages and Salaries including Employers contribution(Rs Lakhs)	526	26258	1993	3175	1603	10661	33217
1	Wages and Salary including Bonus	472	23218	1724	2764	1368	8768	29717
1.1	Wages and Salary	457	22007	1664	2596	1291	8585	28175
	1.1.1 Workers	275	8909	1225	1372	696	2618	17957
	1.1.2 Supervisory & Managerial	158	6568	207	694	401	3148	6337
	1.1.3 Other Employees	24	6530	232	529	193	2819	3881
1.2	Bonus to all Staff	15	1211	60	168	78	183	1542
2	Employers' Contribution	55	3041	269	411	235	1893	3500

Table 4.2: Fuels consumed at Industry by their type for each 2-digit industry division (NIC-2008) 2013-14							
NIC-2digit	Type of fuel (Value figures in ` Thousands)						
	Coal		Electricity purchased		Petroleum Products	Other Fuels	Total
	Quantity Th.Tonne	Value	Quantity Th. Kwh.	Value	Value	Value	Value
10	1	7116	201796	2347483	1364786	634567	4353952
11	5	32490	22576	148426	51004	14248	246169
12	0	0	79	1783	16	94	1892
13	0	0	210666	1384053	142127	227246	1753426
14	0	0	14496	90086	92922	23522	206530
15	0	0	9823	118502	64702	6507	189711
16	0	0	24335	369832	55915	90780	516527
17	179	776627	124261	673735	127043	163635	1741040
18	0	0	29275	248479	73575	3166	325220
19	0	0	136202	846803	22745185	2096348	25688336
20	30	401306	393495	2045501	3383097	472459	6302362
21	0	0	18029	406655	260511	278525	945691
22	29	159967	203923	1714902	1295942	507347	3678158
23	69	453628	269707	1633245	1896880	358620	4342374
24	1	20329	290484	3025092	450159	59758	3555338
25	1	22200	35349	229799	147858	14190	414047
26	0	0	32091	215555	55794	17644	288993
27	0	0	16851	116400	29142	1000	146542
28	0	38	7374	50376	23715	475	74605
29	0	0	260	2057	1161	7	3225
30	0	0	31183	183945	13974	75472	273392
31	0	0	2647	22372	4883	717	27972
32	0	0	2357	20985	11677	875	33536
33	0	0	297	4689	8177	1906	14772
58	0	0	1645	9669	95377	0	105046
Others	0	0	28536	353094	377258	17566	747918
All	315	1,873,701	2,107,735	16,263,520	32,772,881	5,066,673	55,976,775

SAMPLE DESIGN AND ESTIMATION PROCEDURE

1. A new sampling design has been adopted for ASI 2013-14 following the recommendation of Dr. S. L. Shetty Committee and approved by the SCIS subsequently in its 23rd meeting. According to the new sampling design, 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.

(a) Census scheme:

(i) All industrial units belonging to the six less industrially developed states/ UT's viz. Manipur, Meghalaya, Nagaland, Sikkim, Tripura and Andaman & Nicobar Islands.

(ii) For the rest of the states/ UT's., (i) units having 100 or more employees, and (ii) all factories covered under Joint Returns.

(iii) After excluding the Census scheme units, as defined above, all units belonging to the strata (**State x District x Sector x 4 digit NIC-2008**) having less than or equal to 4 units are also considered under Census Scheme. It may be noted that in the formation of stratum, the sectors are considered as Bidi, Manufacturing and Electricity.

(b) All the remaining units in the frame are considered under **Sample Scheme**. For all the states, **each stratum is formed on the basis of State x District x Sector x 4-digit NIC-2008**. The units are arranged in descending order of their number of employees. Samples are drawn as per Circular Systematic Sampling technique for this scheme. An even number of units with a minimum of 4 units are selected and distributed in four sub-samples. It may be noted that each of 4 sub-samples from a particular stratum may not have equal number of units.

(c) Out of these 4 sub-samples, two pre-assigned sub-samples are given to NSSO (FOD) and the other two-subsamples are given to State/UT for data collection.

(d) The entire census units *plus* all the units belonging to the two sub-samples given to NSSO (FOD) are treated as the **Central Sample**.

(e) The entire census units *plus* all the units belonging to the two sub-samples given to State/UT are treated as the **State Sample**. Hence, **State/UT has to use Census Units (collected by NSSO (FOD) and processed by CSO (IS Wing)) along with their sub-samples while deriving the district level estimates for their respective State/UT.**

(f) The entire census 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 Sample and State Sample.

2. **Estimation Procedure**

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.

\hat{X} , \hat{Y} = 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-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:

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

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:

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

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

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

(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:

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

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:

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

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:

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

(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:

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

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:

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

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.

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:

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

The sampling variance based on central Samples is:

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

The sampling variance based on state Samples is:

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

For generating estimates of variance for the pooled sample is:

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

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

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

Estimates of RSE:

$$R\hat{S}E(\hat{Y}) = \frac{\sqrt{V\hat{a}r(\hat{Y})}}{\hat{Y}} \times 100 \dots\dots\dots (11)$$

Multipliers for enterprises:

The formulae for multipliers for a stratum are given below:

formula for sub-sample wise multiplier	formula for combined sample multiplier
$\frac{E_{is}}{e_{ism}}, m = 1, 2, 3 \text{ or } 4.$	$\frac{E_{is}}{e_{is}}, e_{is} = \sum_{m=1}^4 e_{ism}$

Treatment for surveyed cases, casualty cases and zero cases:

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.

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/Income 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.

Imputation of data from past survey for casualty units: In case any unit becomes casualty, information in respect of all the characteristics may be borrowed from the previous year, if available.

Zero cases: Units with survey codes 4, 6 and 9 should not have been present in the frame for the reasons like 'non-existence of unit and owner not traceable' or 'unit deleted due to de-registration or out of coverage', etc., and such units are treated as 'zero' cases in calculating the weights (multipliers).

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Government of India
 Ministry of Statistics and Programme Implementation
 Return under Collection of Statistics Act, 2008 and rules framed there under in 2011
 Annual Survey of Industries 2013-2014 (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 (4-digit level of NIC-2008)					
5. Industry code as per return (5-digit level of NIC-2008)					
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. Type of ownership (<i>code</i>)					
4. Whether the unit has ISO Certification, 14000 Series (<i>yes-1, no-2</i>)					
5. Year of initial production					
6. Accounting year (..... to)					
7. Number of months of operation					
8. Does your unit have computerised accounting system? (<i>yes-1, no-2</i>)					
9. Can your unit supply ASI data in computer media? (<i>yes-1, no-2</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 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)**		
<i>Note:</i>			
* 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 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)
1.	Work done by others on materials supplied by the industrial undertaking	
2.	Repair & maintenance of	
	(i) Buildings and other construction	
	(ii) Other fixed assets	
3.	Operating expenses	
4.	Non-operating expenses (excluding insurance charges)	
5.	Insurance charges	
6.	Rent paid for plant & machinery and other fixed assets	
7.	Total expenses (1 to 6)	
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)
1.	Income from services (industrial/non industrial including work done for others on materials supplied by them and sale value of waste left by the party)	
2.	Variation in stock of semi-finished goods (col.4 minus col 3 against item 5 in block D)	
3.	Value of electricity generated and sold	
4.	Value of own construction	
5.	Net balance of goods sold in the same condition as purchased. (item 11 of block G minus item 11 of block F)	
6.	Rent received for plant & machinery and other fixed assets	
7.	Total receipts (1 to 6)	
8.	Rent received for buildings	
9.	Rent received for land on lease or royalties on mines, quarries and similar assets	
10.	Interest received	
11.	Sale value of goods sold in the same condition as purchased	
12.	Total 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)		KWH			
* Full description of items not in NPC-MS 2011:						

DSL No PSL No

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				

DSL No PSL No

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) (including subsidy received)	Distributive expenses (Rs.)				Per unit net sale value (Rs. 0.00) (col. 7- col.11) ÷ col. 6	Ex-factory value of quantity manufactured including subsidy received (Rs.) (col.12× col.5)
							Excise duty	Sales tax/ VAT	Others	Total		
(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:

DSL No PSL No

Block K: Information and Communication technology (ICT) usage		
Sl. No.	ICT indicator	yes-1, no-2
1.	Is the enterprise using computer?	
2.	Does the enterprise use internet?	
3.	Does the enterprise have its own website?	
4.	Does the enterprise receive orders through internet?	
5.	Does the enterprise use internet for business purpose?	
6.	Does the enterprise access the internet through broadband?	
7.	Does the enterprise has a local area network?	

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><i>Please refer to detailed instructions also for further guidance.</i></p>

Annual Survey of Industries 2013-2014

Part A

Report of scrutiny on Part-I of the return

State (code) _____ Distt. (code) _____ DSL No./PSL No. _____
 Ind. code (5-digit NIC 2008) as per return _____ Scheme Code _____

Sl. No.	Bl. no.	Item	Unit	Average rate per unit*	If high or low, reasons to be furnished by	
1	H	Input items (Indigenous) Major Ten basic items consumed	X	X	Superintending Officer	Scrutinising Officer
		1)				
		2)				
		3)				
		4)				
		5)				
		6)				
		7)				
		8)				
		9)				
		10)				
		11) Electricity purchased				
		12) Coal				
2	I	Directly imported items consumed (major five items)				
		1)				
		2)				
		3)				
		4)				
		5)				

*Average value per unit in nearest whole rupee is to be reported.

3. Percentage yield of product from the basic materials consumed (in case the quantity are common or directly convertible in whole number)

4	Item	Current year (2013-14)	Previous year (2012-13)	Reasons for significant variation, if any.
	1) Average salaries/wages per manday worked (Rs.) (Bl. E: item 5, col. 8 / item 5, col. 5)			
	2) Total worker (number) (Bl. E: item 5, col. 6)			
	3) Total employees (number) (Bl.E: item 9, col. 6)			
	4) Total emoluments (Bl. E: item 9, col. 8+ Bl. E: item 10, col. 8+ Bl. E: item 11, col. 8, Bl. E: item 12, col. 8)			
	5) Variation in finished goods (Bl. D: item 6, (col. 4 – col. 3)			
	6) Working Capital (Bl. D: item 16, col. 4)			
	7) Total input (Bl. F: item 7, col.3)(+)(Bl. H: item 23, col. 6)(+) (Bl. I: item 7, col. 6)			
	8) Total output (Bl. J: item 12, col.7)(-) (Bl. J: item 12, col.11)+(Bl. D: item 6)(col. 4-col.3)+(Bl. G: item 7, col. 3)			
	9) Gross value added (GVA) (Item 8-Item 7 as above)			

Item	Current year (2013-14)	Previous year (2012-13)	Reasons for significant variation, if any.
10) Net value added (Item 9 as above)-(Depreciation (Bl. C, item 10, col. 9)			
11) Net Income (Item 10 as above)(-) Bl. F: items (8+9+10) under col.3 (+) Bl. G: item (8+9+10) under col.3			
12) Profit (Item 11 as above)(-) (Bl. E: item 9, col. 8+ Bl. E: item 10, col. 8+ Bl. E: item 11, col. 8, Bl. E: item 12, col. 8)			
13) Actual addition to fixed assets (Bl. C: item 10, col.5)			
14) GVA (through Ex-factory Value)(Bl. J: item 12, col.13)(+)(Bl. G: item 8 col. 3)(-)(item 7 as above)			

5. Impose check on the following and give observations against each item

Sl. No.	Check points	Observations (Yes-1/No-2)
1.	Whether codes and identification particulars have been correctly furnished in Block A?	
2.	Whether information for all the items in Block B have been correctly furnished?	
3.	If the working capital in item 16 of Block D is negative whether reasons furnished in the footnote of Block D of the Return and also in Block N along with code.	
4.	Whether the return has been duly signed by owner with stamp?	
5.	If wide variation is noticed between Opening & Closing value of Working Capital, whether reasons furnished in the footnote of Block D and also in Block N along with code	
6.	Whether special check has been made in case of negative GVA?	
7.	Whether basic entries have been thoroughly rechecked where output/input ratio Is less than 0.5	
8.	Whether ratio of Distributive expenses to gross sales is reasonable? If no, whether the relevant entries have been rechecked particularly where this ratio exceeds 20%.	
9.	If the total Bonus is more than 20% of total wages/salaries whether suitable remarks given in the Return?	
10.	If sale value of goods sold in same condition as purchased (Item-11 of Block G) is less than the purchase value of the same (Item-11 of Block F), whether reasons furnished in the return ?	
11.	Whether Balance Sheet, Profit & Loss Account and Working Sheet are attached with the O/C of the Return ?	
12.	Whether, the ex-factory value of output in column-13 of Block J have been calculated correctly for each of the 10 major items of product and by-product and also for item 11 ?	
13.	Whether the entries in Blocks H & I are reported independently ?	

Signature of the Superintending Officer

()
Name of the Superintending Officer

PART-B (To be filled in by Scrutinizing officer)		
Impose check on the following and give observations against each item		
Sl. No.	Check points	Observations (Yes-1/No-2)
1.	Examine the Industry Code with reference to Production/Process and state whether Industry Code is reported in 5 digit NIC 2008 against item 5 of Block A.	
2.	Whether valid new State Code has been entered against item 7 of Block 'A'?	
3.	Whether Schedule Despatch no. has been correctly filled in against item 1 of Block A ?	
4.	State whether proper remarks in Block N for all important parameters such as GVA, working capital, wage rate, number of workers, distributive expenses, depreciation etc. are given.	
5.	Whether average salaries/wages per manday worked (worker) has been checked calculated correctly and are within the reasonable limits?	
6.	Whether special check has been made in case of negative GVA?	
7.	Whether basic entries have been rechecked where output/Input ratio is less than 0.5	
8.	Whether ratio of distributive expenses to gross sales is reasonable? If no, whether the relevant entries have been rechecked particularly where this ratio exceeds 20%.	
9.	If total bonus exceeds 20% of total salaries & wages, whether suitable remarks furnished ?	
10.	Whether yield ratio of products from basic materials consumed (in case the units of quantity are common or directly convertible) are correctly calculated and are within prescribed limits ?	
11.	Whether data reported in the return have been checked with Balance Sheet and Profit & Loss Account ?	

Signature of Scrutinizing officer

()
Name of Scrutinizing officer

Description along with 3/4-digit NIC-2008 codes

3-digit NIC-2008	4-digit NIC-2008	Description
016	0163	Post-harvest crop activities
	0164	Seed processing for propagation
089	0893	Extraction of salt
101	1010	Processing and preserving of meat
	102	1020 Processing and preserving of fish, crustaceans and molluscs and products thereof
	103	1030 Processing and preserving of fruit and vegetables
	104	1040 Manufacture of vegetable and animal oils and fats
	105	1050 Manufacture of dairy products
	106	1060 Manufacture of grain mill products, starches and starch products
		1061 Manufacture of grain mill products
		1062 Manufacture of starches and starch products
	107	1070 Manufacture of other food products
		1071 Manufacture of bakery products
		1072 Manufacture of sugar
		1073 Manufacture of cocoa, chocolate and sugar confectionery
		1074 Manufacture of macaroni, noodles, couscous and similar farinaceous products
		1075 Manufacture of prepared meals and dishes
		1079 Manufacture of other food products n.e.c.
	108	1080 Manufacture of prepared animal feeds
	110	1100 Manufacture of beverages
		1101 Distilling, rectifying and blending of spirits; ethyl alcohol production from fermented materials
		1102 Manufacture of wines
		1103 Manufacture of malt liquors and malt
		1104 Manufacture of soft drinks; production of mineral waters and other bottled waters

Description along with 3/4-digit NIC-2008 codes

3-digit NIC-2008	4-digit NIC-2008	Description
120	1200	Manufacture of tobacco products
131		Spinning, weaving and finishing of textiles
	1311	Preparation and spinning of textile fibres
	1312	Weaving of textiles
	1313	Finishing of textiles
139		Manufacture of other textiles
	1391	Manufacture of knitted and crocheted fabrics
	1392	Manufacture of made-up textile articles, except apparel
	1393	Manufacture of carpets and rugs
	1394	Manufacture of cordage, rope, twine and netting
	1399	Manufacture of other textiles n.e.c.
141	1410	Manufacture of wearing apparel, except fur apparel
142	1420	Manufacture of articles of fur
143	1430	Manufacture of knitted and crocheted apparel
151		Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
	1511	Tanning and dressing of leather; dressing and dyeing of fur
	1512	Manufacture of luggage, handbags and the like, saddlery and harness
152	1520	Manufacture of footwear
161	1610	Saw milling and planing of wood
162		Manufacture of products of wood, cork, straw and plaiting materials
	1621	Manufacture of veneer sheets; manufacture of plywood, laminboard, particle board and other panels and board
	1622	Manufacture of builders' carpentry and joinery
	1623	Manufacture of wooden containers
	1629	Manufacture of other products of wood; manufacture of articles of cork, straw and plaiting materials

Description along with 3/4-digit NIC-2008 codes

3-digit NIC-2008	4-digit NIC-2008	Description
170		Manufacture of paper and paper products
	1701	Manufacture of pulp, paper and paperboard
	1702	Manufacture of corrugated paper and paperboard and containers of paper and paperboard
	1709	Manufacture of other articles of paper and paperboard
181		Printing and service activities related to printing
	1811	Printing
	1812	Service activities related to printing
182	1820	Reproduction of recorded media
191	1910	Manufacture of coke oven products
192	1920	Manufacture of refined petroleum products
201		Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
	2011	Manufacture of basic chemicals
	2012	Manufacture of fertilizers and nitrogen compounds
	2013	Manufacture of plastics and synthetic rubber in primary forms
202		Manufacture of other chemical products
	2021	Manufacture of pesticides and other agrochemical products
	2022	Manufacture of paints, varnishes and similar coatings, printing ink and mastics
	2023	Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations
	2029	Manufacture of other chemical products n.e.c.
203	2030	Manufacture of man-made fibres
210	2100	Manufacture of pharmaceuticals, medicinal chemical and botanical products
221		Manufacture of rubber products
	2211	Manufacture of rubber tyres and tubes; retreading and rebuilding of rubber tyres
	2219	Manufacture of other rubber products

Description along with 3/4-digit NIC-2008 codes

3-digit NIC-2008	4-digit NIC-2008	Description
222	2220	Manufacture of plastics products
231	2310	Manufacture of glass and glass products
239		Manufacture of non-metallic mineral products n.e.c.
	2391	Manufacture of refractory products
	2392	Manufacture of clay building materials
	2393	Manufacture of other porcelain and ceramic products
	2394	Manufacture of cement, lime and plaster
	2395	Manufacture of articles of concrete, cement and plaster
	2396	Cutting, shaping and finishing of stone
	2399	Manufacture of other non-metallic mineral products n.e.c.
241	2410	Manufacture of basic iron and steel
242	2420	Manufacture of basic precious and other non-ferrous metals
243		Casting of metals
	2431	Casting of iron and steel
	2432	Casting of non-ferrous metals
251		Manufacture of structural metal products, tanks, reservoirs and steam generators
	2511	Manufacture of structural metal products
	2512	Manufacture of tanks, reservoirs and containers of metal
	2513	Manufacture of steam generators, except central heating hot water boilers
252	2520	Manufacture of weapons and ammunition
259		Manufacture of other fabricated metal products; metalworking service activities
	2591	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
	2592	Machining; treatment and coating of metals
	2593	Manufacture of cutlery, hand tools and general hardware

Description along with 3/4-digit NIC-2008 codes

3-digit NIC-2008	4-digit NIC-2008	Description
	2599	Manufacture of other fabricated metal products n.e.c.
261	2610	Manufacture of electronic components
262	2620	Manufacture of computers and peripheral equipment
263	2630	Manufacture of communication equipment
264	2640	Manufacture of consumer electronics
265		Manufacture of measuring, testing, navigating and control equipment; watches and clocks
	2651	Manufacture of measuring, testing, navigating and control equipment
	2652	Manufacture of watches and clocks
266	2660	Manufacture of irradiation, electromedical and electrotherapeutic equipment
267	2670	Manufacture of optical instruments and equipment
268	2680	Manufacture of magnetic and optical media
271	2710	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
272	2720	Manufacture of batteries and accumulators
273		Manufacture of wiring and wiring devices
	2731	Manufacture of fibre optic cables for data transmission or live transmission of images
	2732	Manufacture of other electronic and electric wires and cables
	2733	Manufacture of wiring devices
274	2740	Manufacture of electric lighting equipment
275	2750	Manufacture of domestic appliances
279	2790	Manufacture of other electrical equipment
281		Manufacture of general purpose machinery
	2811	Manufacture of engines and turbines, except aircraft, vehicle and cycle engines
	2812	Manufacture of fluid power equipment
	2813	Manufacture of other pumps, compressors, taps and valves

Description along with 3/4-digit NIC-2008 codes

3-digit NIC-2008	4-digit NIC-2008	Description
	2814	Manufacture of bearings, gears, gearing and driving elements
	2815	Manufacture of ovens, furnaces and furnace burners
	2816	Manufacture of lifting and handling equipment
	2817	Manufacture of office machinery and equipment
	2818	Manufacture of power-driven hand tools
	2819	Manufacture of other general-purpose machinery
282		Manufacture of special-purpose machinery
	2821	Manufacture of agricultural and forestry machinery
	2822	Manufacture of metal-forming machinery and machine tools
	2823	Manufacture of machinery for metallurgy
	2824	Manufacture of machinery for mining, quarrying and construction
	2825	Manufacture of machinery for food, beverage and tobacco processing
	2826	Manufacture of machinery for textile, apparel and leather production
	2829	Manufacture of other special-purpose machinery
291	2910	Manufacture of motor vehicles
292	2920	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
293	2930	Manufacture of parts and accessories for motor vehicles
301		Building of ships and boats
	3011	Building of ships and floating structures
	3012	Building of pleasure and sporting boats
302	3020	Manufacture of railway locomotives and rolling stock
303	3030	Manufacture of air and spacecraft and related machinery
304	3040	Manufacture of weapons and ammunition
309		Manufacture of transport equipment n.e.c.

Description along with 3/4-digit NIC-2008 codes

3-digit NIC-2008	4-digit NIC-2008	Description
	3091	Manufacture of motorcycles
	3092	Manufacture of bicycles and invalid carriages
	3099	Manufacture of other transport equipment n.e.c.
310	3100	Manufacture of furniture
321		Manufacture of jewellery, bijouterie and related articles
	3211	Manufacture of jewellery and related articles
	3212	Manufacture of imitation jewellery and related articles
322	3220	Manufacture of musical instruments
323	3230	Manufacture of sports goods
324	3240	Manufacture of games and toys
325	3250	Manufacture of medical and dental instruments and supplies
329	3290	Other manufacturing n.e.c.
331		Repair of fabricated metal products, machinery and equipment
	3311	Repair of fabricated metal products
	3312	Repair of machinery
	3313	Repair of electronic and optical equipment
	3314	Repair of electrical equipment
	3315	Repair of transport equipment, except motor vehicles
	3319	Repair of other equipment
332	3320	Installation of industrial machinery and equipment
351	3510	Electric power generation, transmission and distribution
352	3520	Manufacture of gas; distribution of gaseous fuels through mains
353	3530	Steam and air conditioning supply
360	3600	Water collection, treatment and supply

Description along with 3/4-digit NIC-2008 codes

3-digit NIC-2008	4-digit NIC-2008	Description
370	3700	Sewerage
381		Waste collection
	3811	Collection of non-hazardous waste
	3812	Collection of hazardous waste
382		Waste treatment and disposal
	3821	Treatment and disposal of non-hazardous waste
	3822	Treatment and disposal of hazardous waste
383	3830	Materials recovery
452	4520	Maintenance and repair of motor vehicles
454	4540	Sale, maintenance and repair of motorcycles and related parts and Accessories
521	5210	Warehousing and storage
581		Publishing of books, periodicals and other publishing activities
	5811	Book publishing
	5812	Publishing of directories and mailing lists
	5813	Publishing of newspapers, journals and periodicals
	5819	Other publishing activities
591		Motion picture, video and television programme activities
	5911	Motion picture, video and television programme production activities
	5912	Motion picture, video and television programme post-production activities
	5913	Motion picture, video and television programme distribution activities
592	5920	Sound recording and music publishing activities
742	7420	Photographic activities
829		Business support service activities n.e.c.
	8292	Packaging activities

Description along with 3/4-digit NIC-2008 codes

3-digit NIC-2008	4-digit NIC-2008	Description
951		Repair of computers and communication equipment
	9511	Repair of computers and peripheral equipment
	9512	Repair of communication equipment
952		Repair of personal and household goods
	9521	Repair of consumer electronics
	9522	Repair of household appliances and home and garden equipment
	9523	Repair of footwear and leather goods
	9524	Repair of furniture and home furnishings
	9529	Repair of personal and household goods, n.e.c.
960		Other personal service activities
	9601	Washing and (dry-) cleaning of textile and fur products