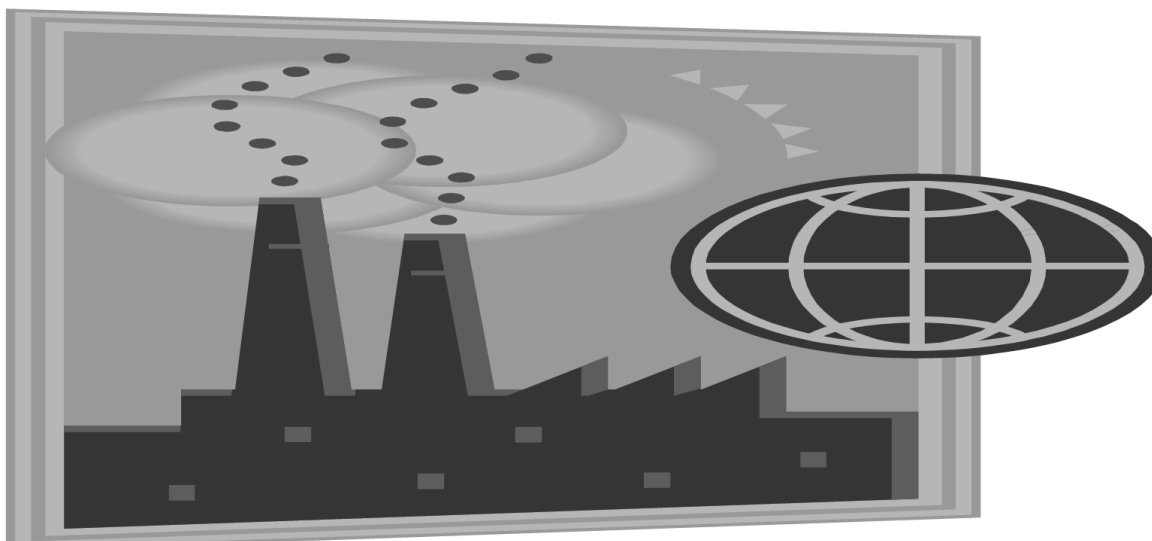




**GOVERNMENT OF GOA REPORT
ON
ANNUAL SURVEY OF INDUSTRIES
2012-13**



DIRECTORATE OF PLANNING, STATISTICS AND EVALUATION PORVORIM-GOA

A REPORT
ON
ANNUAL SURVEY OF INDUSTRIES
2012-13

P R E F A C E

The “**Annual Survey of Industries**” (ASI) is the prime source of Industrial Statistics which provides the basic statistics of industrial sector. The frame of factories used for the survey corresponds to the list of factories registered under the Factories Act, 1948, as maintained by the Chief Inspectorate of Factories & Boilers, Government of Goa.

This **Report on Annual Survey of Industries** pertains to the year 2012-13, and is the 40th in the series. It is compiled based on the information collected by the National Sample Survey Organization (NSSO), Field Operations Division (FOD), Government of India, under the statutory provision of The Collection of Statistics Act, 1953, and the rules framed there under in 1959. The detailed tables presented in this report have been generated by the Central Statistical Organization (CSO), Kolkata. The report presents a broad picture of the pattern and growth of the organized industrial sector in Goa. It provides estimates of different variables of industrial statistics viz., capital structure, employment, input, output, and value added by manufacture, etc. of certain industry groups.

Constructive suggestions to improve the publication are always welcome.

(Vikas S.N.Gaunekar)
Director

Porvorim – Goa.
Dated:

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CHAPTER – I

INTRODUCTION

1.1: The present Report on Annual Survey of Industries (ASI) for the year 2012-13 is the 40th in the series of such reports brought out by this Directorate. It incorporates data in respect of industrial statistics collected through the Annual Survey of Industries in the organized factory sector in this State by the National Sample Survey Organization (NSSO), Government of India, under the statutory provisions of the collection of Statistics Act, 1953 and the rules framed there under in 1959.

1.2: The Director General, Field Operations Division (FOD), N.S.S.O., Government of India is declared as the Statistics Authority in terms of the aforesaid Act, while the Director of Planning, Statistics and Evaluation (DPSE), Government of Goa, has been appointed as the Officer on Special Duty for Goa State by the Government of India to ensure proper supervision and control over the coverage of factories located in this State.

1.3: Scope and coverage: The A.S.I. covers the factories registered under The Factories Act, 1948 on sample basis from the year 1999-2000 (accounting year of A.S.I. 1998-99), shifting from the existing pattern of selection of factories of complete enumeration or census in the State. The coverage includes manufacturing factories as also those service industries and activities like cold storage, water supply, repair of motor vehicles and other consumer durables such as watch, etc. Factories covered under Annual Survey of Industries during 2011-12 were 586, while the numbers of factories covered during 2012-13 were 597.

1.4: Classification of Industries: The NIC-1970 was followed to classify economic activities of the factories from ASI 1973-74 to ASI 1988-89. NIC-1987 had then been introduced and followed till ASI 1997-98. NIC-1998 was then followed from ASI 1998-99 to ASI 2003-04. From ASI 2004-05, the new series of classification i.e. NIC-2004 has been introduced and the same has been used till 2007-08. For ASI 2008-09 onwards, NIC-2008 has been introduced and used. 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 or four digit level of industry correspond to the NIC-2008 classification. Details of this classification have been shown in **Annexure-8**

CHAPTER – II

CONCEPTS AND DEFINITIONS

Important concepts and definitions used in ASI are explained below.

2.1. A number of accounting, economic and other terms related to the factories are used in for conduct of Annual Survey of Industries for proper assessment and interpretation of ASI data, are given below.

2.2. ACCOUNTING YEAR: For the purpose of ASI, the accounting year is the period on which the factory closes its books of account. With the enactment of Income Tax Act, by and large, the accounting year of all factories is from April to March.

2.3. REFERENCE PERIOD: It corresponds to the financial year. For example, for ASI 2012-2013 the reference period is the financial year commencing from 1st April 2012 and ending on 31st March 2013 or the accounting year of the factory ending on any date between 01.04.2012 to 31.03.2013.

2.4. 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'1999 to Feb'2000. The survey period for ASI 1999-2000 has been again changed from October to March. The survey period for ASI 2012-2013 is from October, 2013 to May, 2014.

2.5. FACTORY (AS PER THE FACTORY ACT 1948): Factory is one, which is registered under Sections 2m (i) and 2m (ii) of the Factories Act, 1948. The Sections 2m(i) and 2m(ii) refer to any premises including the precinct thereof (i) wherein ten or more workers are working, or were working on any day of the preceding twelve months, and in any part of which a manufacturing process is being carried on with the aid of power, or is ordinarily so carried on, or (ii) wherein twenty or more workers are working, or were working on any day of the preceding twelve months and in any part of which a manufacturing process is being carried on without the

aid of power, or is ordinarily so carried on. Closed factories with fixed assets on site are also considered as registered factories till they are de-registered and removed from the live-register maintained by the Chief Inspector of Factories (CIF) in the State.

2.6. MANUFACTURING PROCESS: This is as per Section 2(k) of the Factories Act, 1948.

2.7. GROSS VALUE OF PLANT AND MACHINERY: Gross value of plant and machinery represents the total original (un-depreciated) value of installed plant and machinery as at the end of the accounting year. It includes the book value of own constructed plant and machinery, if installed, and the approximate value of rented-in plant and machinery as at the time of renting in but excludes the value of rented-out plant and machinery. Total value of all the plant and machinery acquired on hire-purchase basis is also included. Thus it represents the gross value of plant and machinery engaged in production process.

2.8. FIXED CAPITAL: Fixed Capital represents the depreciated value of fixed assets owned by the factory as on the closing day of the accounting year. Fixed assets are those, which have normal productive life of more than one year. Fixed capital covers all type of assets, new or used or own constructed, deployed for productions, transportation, living or recreational facilities, hospitals, schools, etc. for factory personnel. It would include land, building, plant and machinery, transport equipment etc. It includes the fixed assets of the head office allocable to the factory and also the full value of assets taken on hire-purchase basis (Whether fully paid or not) excluding interest element. It excludes intangible assets and assets solely used for post manufacturing activities such as, sale, storage, distribution, etc.

2.9. DEPRECIATION: Depreciation is consumption of fixed capital by the factory due to wear and tear and obsolescence during the accounting year and is taken as provided by the factory owner, or if not provided by the factory this is estimated on the basis of cost of installation and working life of the fixed assets.

2.10. FINISHED GOODS: Finished Goods are those, which are manufactured by the factory for sale. Finished goods should conform to a prescribed standard.

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

2.12. WORKING CAPITAL: Working Capital is the sum total of the physical working capital as already defined above and the cash deposits in hand and at bank, land, the net balance of amounts receivable over amounts payable at the end of the accounting year. Amounts receivable include value of credit items on revenue account, such as sums due to the factory for goods sold, amounts advanced in connection with normal factory work, bills of exchange payable to the factory, payments made in advance such as for fire insurance, telephone charges, rates and taxes, call deposits and security deposits having a normal life of less than one year, etc. It excludes unused overdraft facility, fixed deposits irrespective of duration, advances for acquisition of fixed assets, long-term loans including interest thereon and investment.

2.13. INVESTED CAPITAL: Invested capital is the total of fixed capital and physical working capital.

2.14. PRODUCTIVE CAPITAL: This is the total of fixed capital and working capital.

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

2.16. CONTRACT WORKERS: 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.

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

2.18. LABOUR TURNOVER: Labour turnover measures the extent of change in the working force due to accession and separation during a given period. The term 'accession' was defined as the total number of workers added to employment during the period, whether new or reemployed or transferred from other establishments or units under the same management. Interdepartmental 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 rationalisation or modernisation or any other cause, is also treated as separation.

2.19. WAGES: Wages are defined to include all remuneration capable of being expressed in monetary terms and also payable/paid more or less regularly in each pay period to workers (defined above) as compensation for work done during the accounting year. It includes:

- (i) Direct wages and salary (i.e. basic wages/salaries, payment of overtime, dearness, compensatory, house rent and other allowances);

(ii) Remuneration for period not worked(i.e. basic wages), salaries and allowances payable for leave period, paid holidays, lay-off payments and compensation for unemployment (if not paid from source other than employers);

(iii) Bonus and ex-gratia payment paid both at regular and less frequent intervals (i.e., incentive bonuses and good attendance bonuses, production bonuses, profit sharing bonuses, festival or year end bonuses etc.).

It excludes layoff payments and compensation for employment except where such payments are for this purpose, i.e., payments not made by the employer. It excludes employer's contribution to old age benefits and other social security charges, direct expenditure on maternity benefits and creches and other group benefit in kind and travelling and other expenditure incurred for business purposes and reimbursed by the employer. The wages are expressed in terms of gross value, i.e., before deductions for fines, damages, taxes, provident fund, employee's state insurance contribution etc. Benefits in kind (perquisites) of individual nature are only included.

2.20. 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.

2.21. 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.

2.22. 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.

2.23. 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, creches, canteen facilities, educational, cultural and recreational facilities and grant to trade unions, co-operative stores etc. meant for employees.

2.24. COMPENSATION OF EMPLOYEES: Compensation of employees is the total of emoluments and supplement to emoluments.

2.25. MANDAYS WORKED: These are obtained by summing up the number of mandays worked by persons working in each shift over all the shifts on all days, i.e. both manufacturing and non-manufacturing days. This figure excludes persons who are paid but remain on leave, strike, etc.

2.26. 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.

2.27. WORKING DAY: Working day means the days on which a manufacturing process and/ or repair or maintenance work was carried on.

2.28. 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.

2.29. 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.

2.30. 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.

2.31. 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.

2.32. 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.

2.33. 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.

2.34. 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.

2.35. 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.

2.36. 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.

2.37. GROSS OUTPUT: Gross output is defined to include the ex-factory value, (i.e., exclusive of taxes, duties, etc. on sale and inclusive of subsidies etc., if any) of products and by-products manufactured during the accounting year, and the net value of the semi-finished goods, work-in process, (represents the excess/deficit of value of semi-finished goods or work-in-process at the end of the accounting year over that of the beginning of the year plus net balance of semi-finished fixed assets on factory's capital account) and also the receipts for industrial and non-industrial services rendered to others, value of semi-finished goods of last year sold in the current year, sale value of goods sold in the same condition as purchased and value of electricity generated and sold. Value of gross output and total output has been used in the text interchangeable to mean the same thing.

2.38. 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.

2.39. 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, and transport.

2.40. 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 – III

PRINCIPAL CHARACTERISTICS BY MAJOR INDUSTRIAL ACTIVITY

3.1. Principal Aggregates: The distribution of principal characteristics by major economic activity in absolute and percentage terms by the manufacturing and others sector of industrial activity in Goa covered by the Annual Survey of Industries (ASI) 2012-13 compared with 2011-12 are given below:

TABLE NO. 3.1

PRINCIPAL CHARACTERISTICS BY MAJOR ECONOMIC ACTIVITY

Principal Characteristics	Unit	Manufacturing		Others		All	
		2011-12	2012-13	2011-12	2012-13	2011-12	2012-13
1	2	3	4	5	6	7	8
Factories	Number	546	548	40	49	586	597
	(%)	(93)	(92)	(7)	(8)	(100)	(100)
Fixed Capital	Rs. in crore	8186	7749	420	529	8606	8278
	(%)	(95)	(94)	(5)	(6)	(100)	(100)
Invested Capital	Rs. in crore	14461	12710	547	685	15008	13395
	(%)	(96)	(95)	(4)	(5)	(100)	(100)
Workers	Number	43295	34761	1415	2577	44710	37338
	(%)	(97)	(93)	(3)	(7)	(100)	(100)
Total persons engaged	Number	63798	52308	2176	3523	65974	55831
	(%)	(97)	(94)	(3)	(6)	(100)	(100)
Wages to workers	Rs. in crore	610	538	24	26	634	564
	(%)	(96)	(95)	(4)	(5)	(100)	(100)
Total Emoluments	Rs. in crore	1407	1431	57	65	1464	1496
	(%)	(96)	(96)	(4)	(4)	(100)	(100)
Input	Rs. in crore	28326	24252	1111	1020	29437	25272
	(%)	(96)	(96)	(4)	(4)	(100)	(100)
Gross Output	Rs. in crore	40803	35397	1299	1200	42102	36597
	(%)	(97)	(97)	(3)	(3)	(100)	(100)
Depreciation	Rs. in crore	842	682	41	43	883	725
	(%)	(95)	(94)	(5)	(6)	(100)	(100)
Net Value Added	Rs. in crore	11634	10463	148	137	11782	10600
	(%)	(99)	(99)	(1)	(1)	(100)	(100)
Net Income	Rs. in crore	11155	10089	111	109	11266	10198
	(%)	(99)	(99)	(1)	(1)	(100)	(100)

Figures in bracket indicate percentage

3.2. The number of factory units covered under the Annual Survey of Industries during 2011-12 and 2012-13 were 586 and 597 units respectively. It may be observed from Table 3.1, that 546 factory units were engaged in the manufacturing activities in the year 2011-12, it has increased to 548 during the year 2012-13. The units covered under “other “industrial activities have increased over previous year from 40 to 49 to the year 2012-13.

3.3 It may be observed that the share of Manufacturing Sector in the total fixed capital has decreased from 95% to 94% in 2011-12 and in 2012-13 respectively i.e. (Rs.8186 crores) in 2011-12 and (Rs.7749 crores) during the year 2012-13. The percentage of fixed capital accounted for by the factories covered under the “others” group of industries has been increased from 5% in 2011-12 to 6% in 2012-13. The number of workers employed in the manufacturing has decreased from 97% in 2011-12 to 93% in 2012-13 and were paid wages (Rs.610 crores) during 2011-12 and (Rs.538 crores) during 2012-13 i.e. 96% during 2011-12 and 95% during 2012-13. The Gross output produced under manufacturing sector was valued at Rs.40803 crores & Rs. 35397 crores or 97% and 97% in 2011-12 and 2012-13 respectively. The contribution of Net Value Added by manufacturing was Rs.11634 crores and Rs.10463 crores i.e. 99% and 99% during the year 2011-12 and 2012-13 respectively.

The percentage growth during 2012-13 over 2011-12 in respect of important characteristics is exhibited in table 3.2 below.

TABLE NO. 3.2
PERCENTAGE GROWTH DURING 2012-13 OVER 2011-12 IN PRINCIPAL CHARACTERISTICS BY
MAJOR ECONOMIC ACTIVITY

Principal Characteristics	Manufacturing	Others	All Industries
1	2	3	4
Factories	0.4	22.5	1.9
Fixed Capital	-5.3	26.0	-3.8
Invested Capital	-12.1	25.2	-10.7
Workers	-19.7	82.1	-16.5
Total persons engaged	-18.0	61.9	-15.4
Wages to workers	-11.8	8.3	-11.0
Total Emoluments	1.7	14.0	2.2
Input	-14.4	-8.2	-14.1
Gross Output	-13.2	-7.6	-13.1
Depreciation	-19.0	4.9	-17.9
Net Value Added	-10.1	-7.4	-10.0
Net Income	-9.6	-1.8	-9.5

3.4. Growth: It is observed from table no. 3.2 that total number of factory units under ‘Manufacturing Sector’ has increased by (0.4%) during 2012-13 over 2011-12 and it has also increased to 22.5% under ‘Others Sector’ during the year 2012-13. The growth in all principal characteristics under all Industries shows negative trend except the total Emoluments characteristics increased to 2.2 % during the year 2012-13.

TABLE NO. 3.3

STRUCTURAL RATIOS AND TECHNICAL COEFFICIENTS BY MAJOR ECONOMIC ACTIVITY

Item	Unit	Manufacturing		Others		All	
		2011-12	2012-13	2011-12	2012-13	2011-12	2012-13
1	2	3	4	5	6	7	8
Structural Ratios							
Fixed capital per factory	Rs. in lakh	1499.31	1414.16	1050.15	1079.08	1468.65	1386.66
Gross output per factory	Rs. in lakh	7472.96	6459.26	3248.60	2448.67	7184.61	6130.08
Net value added per factory	Rs. in lakh	2130.75	1909.25	370.68	279.31	2010.61	1775.47
Workers per factory	Number	79	63	35	53	76	63
Persons engaged per factory	Number	117	95	54	72	113	94
Fixed capital per person engaged	Rs. in lakh	12.83	14.82	19.30	15.01	13.04	14.83
Gross output per person engaged	Rs. in lakh	63.96	67.67	59.72	34.06	63.82	65.55
Net value added per person engaged	Rs. in lakh	18.24	20.00	6.81	3.88	17.86	18.99
Total emoluments per person engaged	Rs. in lakh	2.21	2.74	2.60	1.85	2.22	2.68
Wages per worker	Rs. in lakh	1.41	1.55	1.68	1.01	1.42	1.51
Technical Coefficient							
Fixed capital to Net value added		0.70	0.74	2.83	3.86	0.73	0.78
Fixed capital to Gross output		0.20	0.22	0.32	0.44	0.20	0.23
Net value added to Gross output		0.29	0.30	0.11	0.11	0.28	0.29
Total emoluments to Net value added		0.12	0.14	0.38	0.48	0.12	0.14

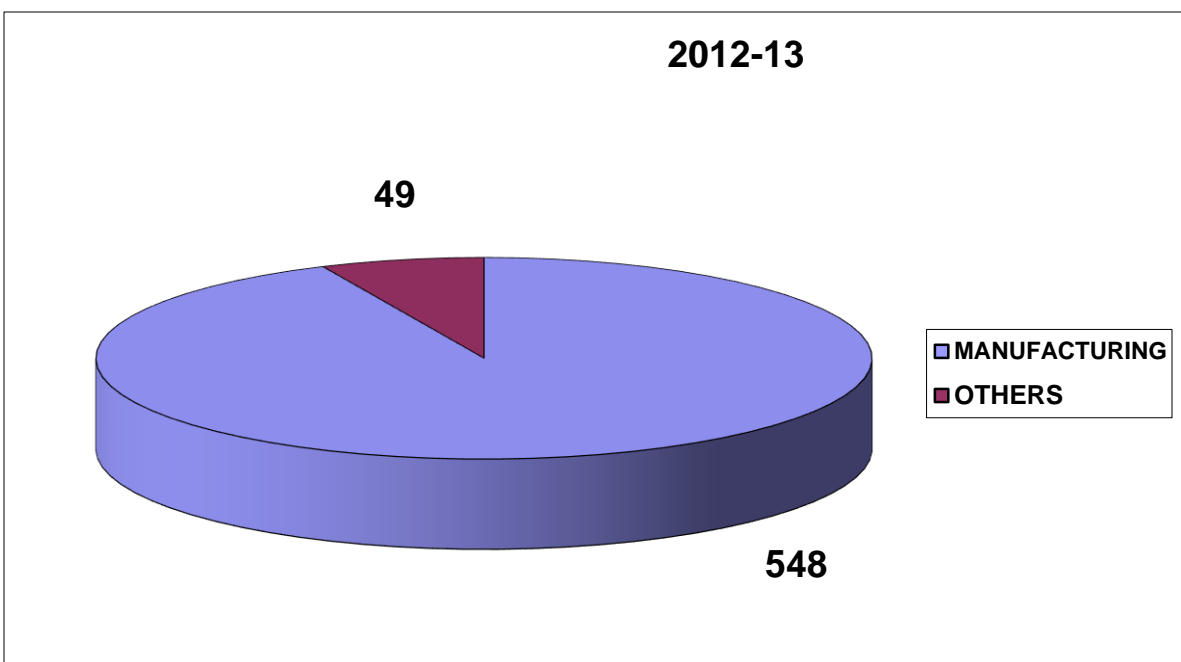
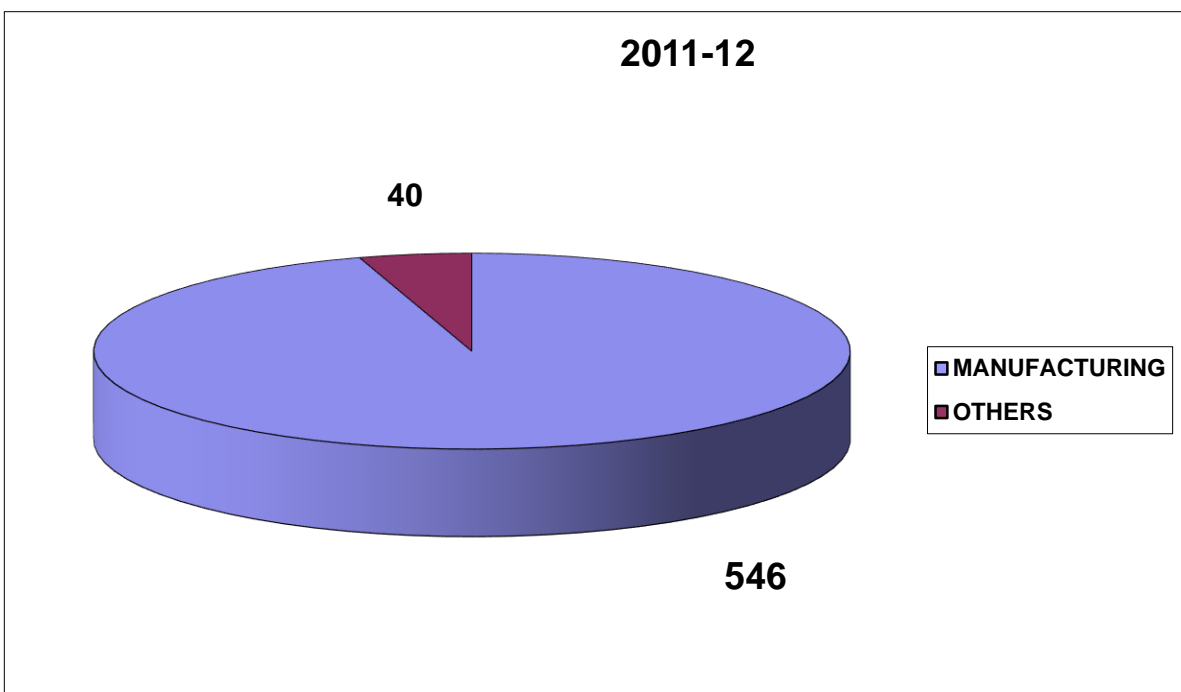
3.5. Some technical structural Ratios /coefficients: Above table reveals certain important structural ratios and coefficients which is the basic structure of the contribution to the economy.

The fixed capital utilized by each factory unit in case of all the activities and that under manufacturing sector, which also forms the major sector, works out to the value of Rs.1468.65 lakh and Rs.1386.66 lakh out of which the Manufacturing Sector utilised Rs.1499.31 lakh and Rs.1414.16 lakh during 2011-12 & 2012-13 respectively. The ratio of Net value added per factory has decreased from Rs.2130.75 lakhs to Rs.1909.25 lakhs during the year 2011-12 & 2012-13 under manufacturing sector and under “Others” category it has also decreased from Rs.370.68 lakh to Rs. 279.31 lakh during the year 2011-12 & 2012-13. Net value added per person engaged shows an increasing trend in manufacturing sector and decreasing trend under “Others” category sector of industries. It is important to note that the average wages per worker per annum has increased significantly from Rs. 1.41 lakh in 2011-12 to Rs.1.55 lakhs in 2012-13. On the other hand, number of workers employed per factory during 2012-13 has decreased in factories covered under “manufacturing sector” and increased in “others” group. Gross output per person engaged also shows an upward trend in “manufacturing” sector and declining trend in “Others” sector.

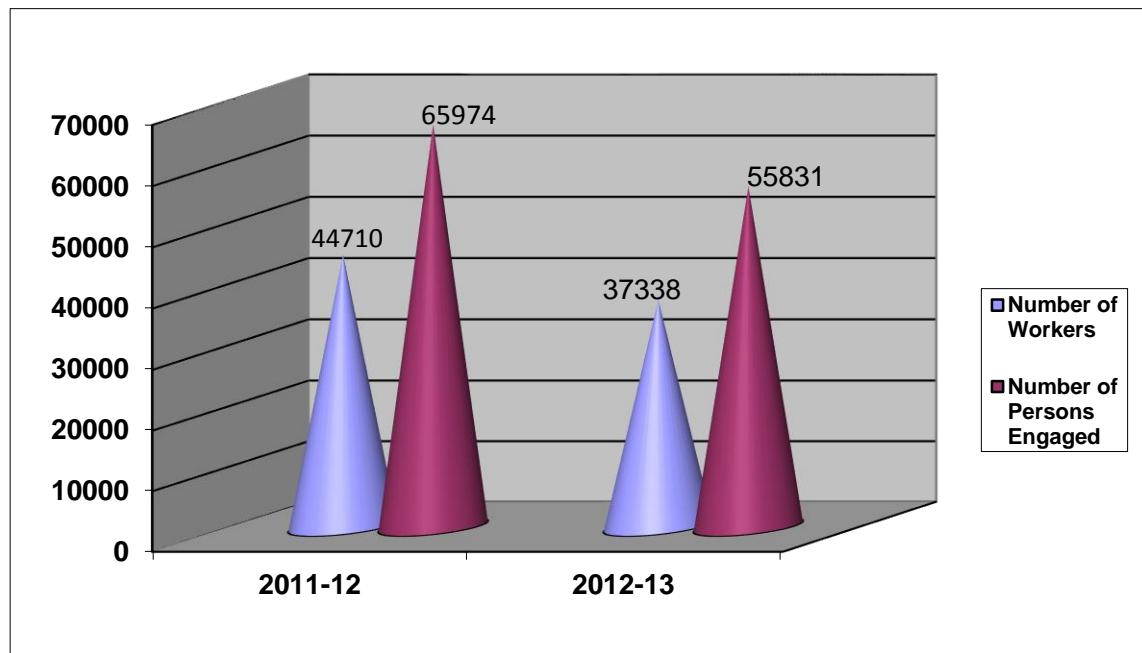
As regards, Technical Coefficients, the coefficient of fixed capital to net value added to all Sectors has increased from 0.73 to 0.78 during 2011-12 and 2012-13 respectively. The coefficient of Fixed Capital to Gross Output has shown marginal increased trend from 0.20 in 2011-12 to 0.23 in 2012-13. Also the coefficient of net value added to gross output has increased from 0.28 during the year 2011-12 to 0.29 during 2012-13. Total emoluments paid in terms of Net value added generated has increased in Manufacturing sector from 0.12 to 0.14 and also in “Others” category sector from 0.38 to 0.48 in 2011-12 & 2012-13 respectively.

PRINCIPAL CHARACTERISTICS BY MAJOR ECONOMIC ACTIVITY

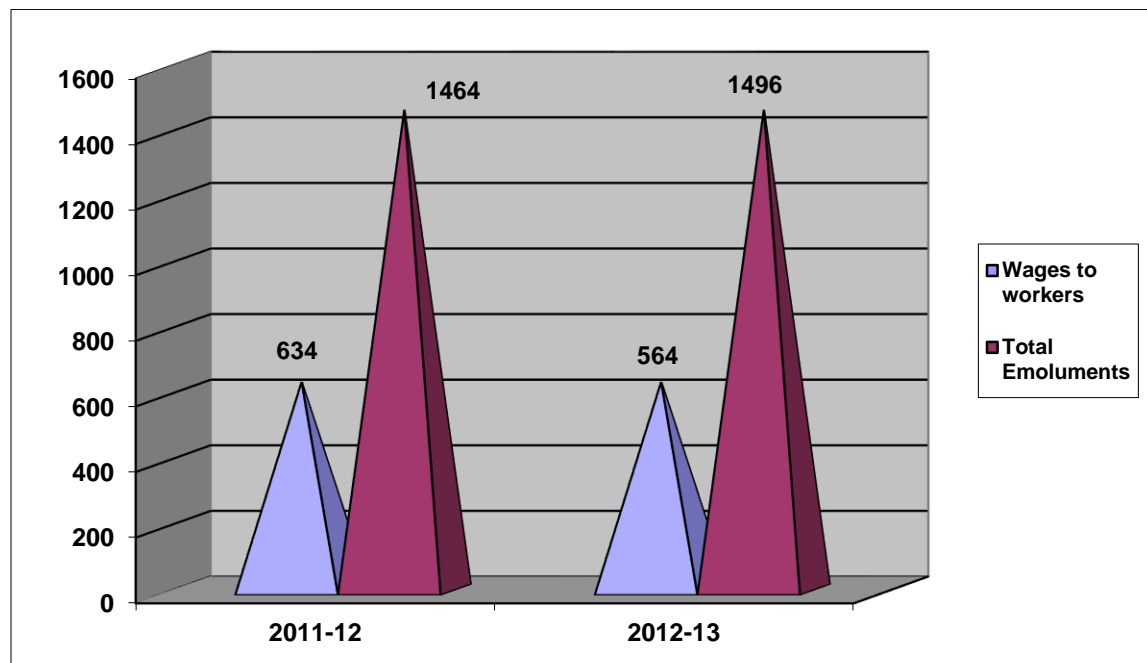
(i) No. of Factories



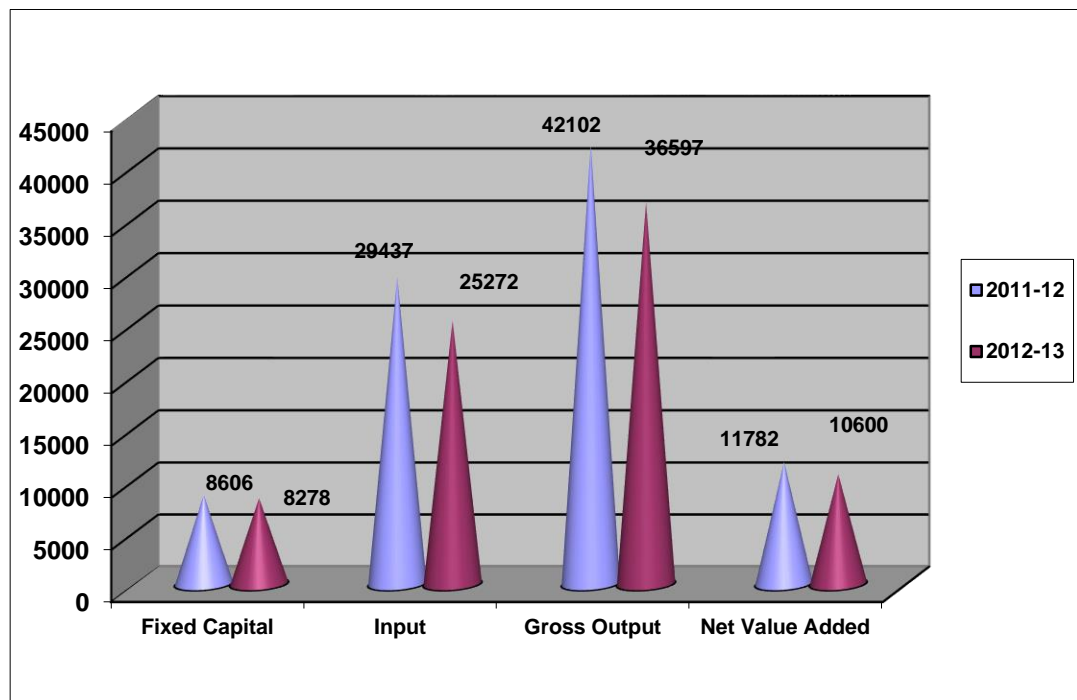
(ii) Number of Workers



(iii) Wages and Emoluments (Rs. in crores)



(iv) Comparison of important characteristics (Rs. in crores)



CHAPTER – IV

DISTRIBUTION OF FACTORIES BY SIZE OF EMPLOYMENT

4.1 Table 4.1 reveals the distribution of factories in absolute and percentage terms, by employment range groups as regards certain selected characteristics associated with them. The results for the year 2012-13 are compared with the results of 2011-12.

TABLE NO. 4.1
DISTRIBUTION OF FACTORIES BY SIZE OF EMPLOYMENT

(Rs. in crores.)

Employment range	Factories		Fixed		Workers		Gross		Net value	
	(Number)		Capital		(Number)		Output		added	
	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13
1	2	3	4	5	6	7	8	9	10	11
0-49	316	352	942	539	4113	3770	8404	2191	5372	188
(%)	(54)	(59)	(11)	(6)	(9)	(10)	(20)	(6)	(46)	(2)
50-99	92	74	690	796	4583	3083	4492	2357	617	468
(%)	(16)	(12)	(8)	(10)	(10)	(8)	(11)	(6)	(5)	(4)
100-199	74	97	1031	2224	6915	9174	3988	11821	470	5006
(%)	(12)	(16)	(12)	(27)	(16)	(25)	(9)	(32)	(4)	(47)
200-499	75	47	3116	1397	13823	8347	9704	5749	1854	1526
(%)	(13)	(8)	(36)	(17)	(31)	(22)	(23)	(16)	(16)	(15)
500 & above	29	27	2827	3322	15276	12964	15514	14479	3469	3412
(%)	(5)	(5)	(33)	(40)	(34)	(35)	(37)	(40)	(29)	(32)
Total	586	597	8606	8278	44710	37338	42102	36597	11782	10600
(%)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)

Figures in bracket indicate percentages

Out of the total number of 597 factories covered during 2012-13, factory units employing less than 50 persons were found to be covering 59% or 352 units and this coverage was 54% or 316 units of the total 586 factories in the year 2011-12. In the units employing persons in the range of 500 & above, the utilization of fixed capital has increased from 33% in 2011-12 to 40% in 2012-13 and provided employment to the workers to the tune of 35% during the year 2012-13. During

the year 2012-13, the Gross output of 40% was recorded against the year 2011-12 which was 37% of the factory units that classified under the range 500 & above. The factories in the range of 500 & above generated, the Net value added during the same year 2012-13 which worth 32% of the total.

TABLE NO. 4.2
PERCENTAGE GROWTH IN FACTORIES BY SIZE OF EMPLOYMENT
DURING 2012-13 OVER 2011-12

Employment range	Factories	Fixed capital	Workers	Gross output	Net value added
1	2	3	4	5	6
0-49	11.4	-42.8	-8.3	-73.9	-96.5
50-99	-19.6	15.4	-32.7	-47.5	-24.1
100-199	31.1	115.7	32.7	196.4	965.1
200-499	-37.3	-55.2	-39.6	-40.8	-17.7
500 & above	-6.9	17.5	-15.1	-6.7	-1.6
Total	1.9	-3.8	-16.5	-13.1	-10.0

4.2. Table 4.2 reveals a marginally growth of 1.9% in total number of factories covered during 2012-13 compared to 2011-12. While the number of factories covered in the employment range of 0-49 and 100-199 range has increased by 11.4% and 31.1% respectively. Employment range 50 to 99, 200-499 and 500 & above has decreased to -19.6%, -37.3% and -6.9% respectively for the year 2012-13 compared to the year 2011-12. The Negative growth of -42.8% & -55.2% in fixed capital noticed in employment range of 0-49 & 200-499 for the year 2012-13 over 2011-12. As regards, Total Number of workers in all employment range have registered a negative growth except in the range of 100-199 which shows the increase of 32.7%. Gross output in all employment range secured decreasing output except in employment range of 100-199 which shows 196.4% growth during the year 2012-13. NVA shows significant increase of 965% in 100-199 range and decreased in all other ranges.

TABLE NO. 4.3
STRUCTURAL RATIOS AND TECHNICAL COEFFICIENTS BY SIZE OF EMPLOYMENT

Employment range	Fixed capital per person engaged (Rs. in lakh)		Net value added per person engaged (Rs. in lakh)		Wages per worker (Rs. in lakh)		Technical Coefficient							
							FC to NVA		FC to GOP		NVA to GOP		Total Emoluments to NVA	
	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0-49	15.93	9.50	90.86	3.32	2.33	0.91	0.18	2.86	0.11	0.25	0.64	0.09	0.03	0.48
50-99	10.21	16.63	9.14	9.77	1.07	1.23	1.12	1.70	0.15	0.34	0.14	0.20	0.21	0.29
100-199	10.07	17.34	4.59	39.04	1.28	1.46	2.19	0.44	0.26	0.19	0.12	0.42	0.47	0.07
200-499	15.44	11.47	9.18	12.53	1.20	1.82	1.68	0.92	0.32	0.24	0.19	0.27	0.24	0.28
500 & above	12.36	16.31	15.16	16.75	1.53	1.59	0.82	0.97	0.18	0.23	0.22	0.24	0.15	0.15
Total	13.04	14.83	17.86	18.99	1.42	1.51	0.73	0.78	0.20	0.23	0.28	0.29	0.12	0.14

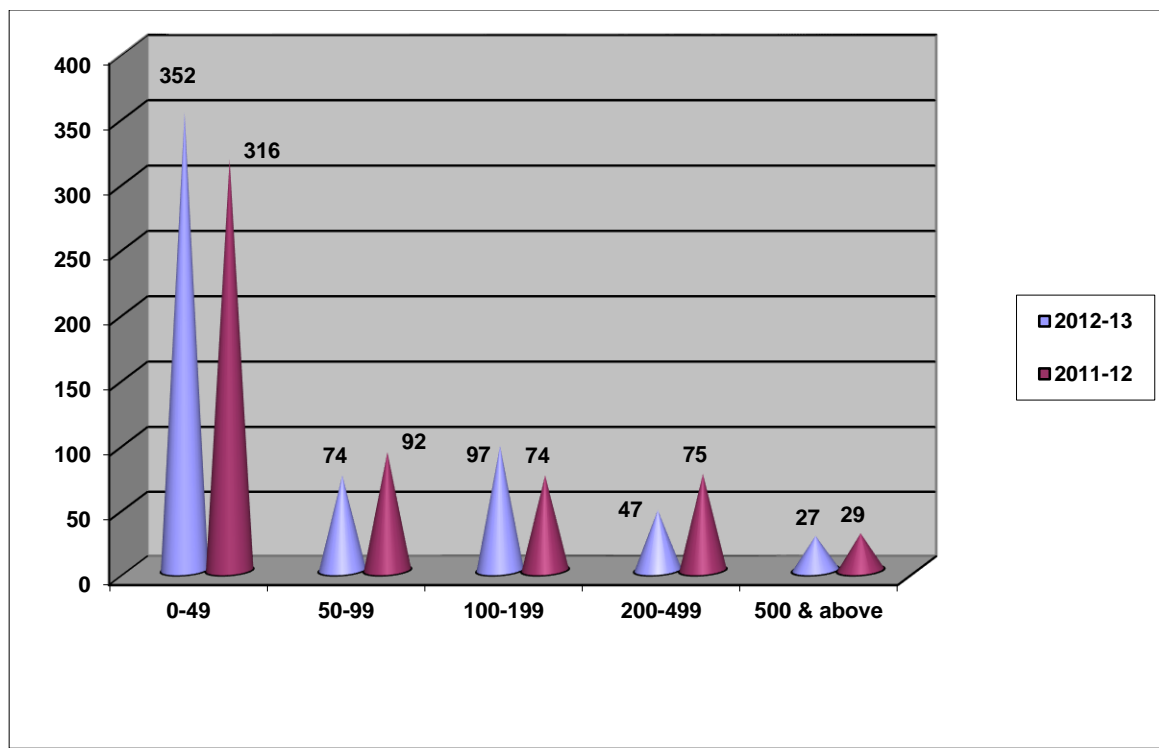
4.3. Structural ratios and technical coefficient: Important ratios and coefficients in different Employment ranges are given in table 4.3 The average least value of fixed capital utilized during 2012-13 was in the range of 0-49 being Rs.9.50 lakhs which is in decreasing trend and the highest was in the range of 100-199 being Rs.17.34 lakhs which is in increasing trend as compared to 2011-12. Highest value of NVA of Rs.39.04 lakhs per person engaged among all the employment ranges was generated in the employment range 100-199. The highest average wage remuneration was paid in the employment range of 200-499 i.e. Rs.1.82 lakh during the year 2012-13 which is in increasing trend over 2011-12.

The Net value added co-efficient measured by value of Fixed Capital required to generate each rupee of Net value added i.e. (FC to NVA) varies from a low value of 0.44 among factories in employment size class 100-199& above to a high value of 2.86 in the employment size class of 0-49 in the year 2012-13, while FC to Gross Output ranged from 0.19 to 0.34 among the

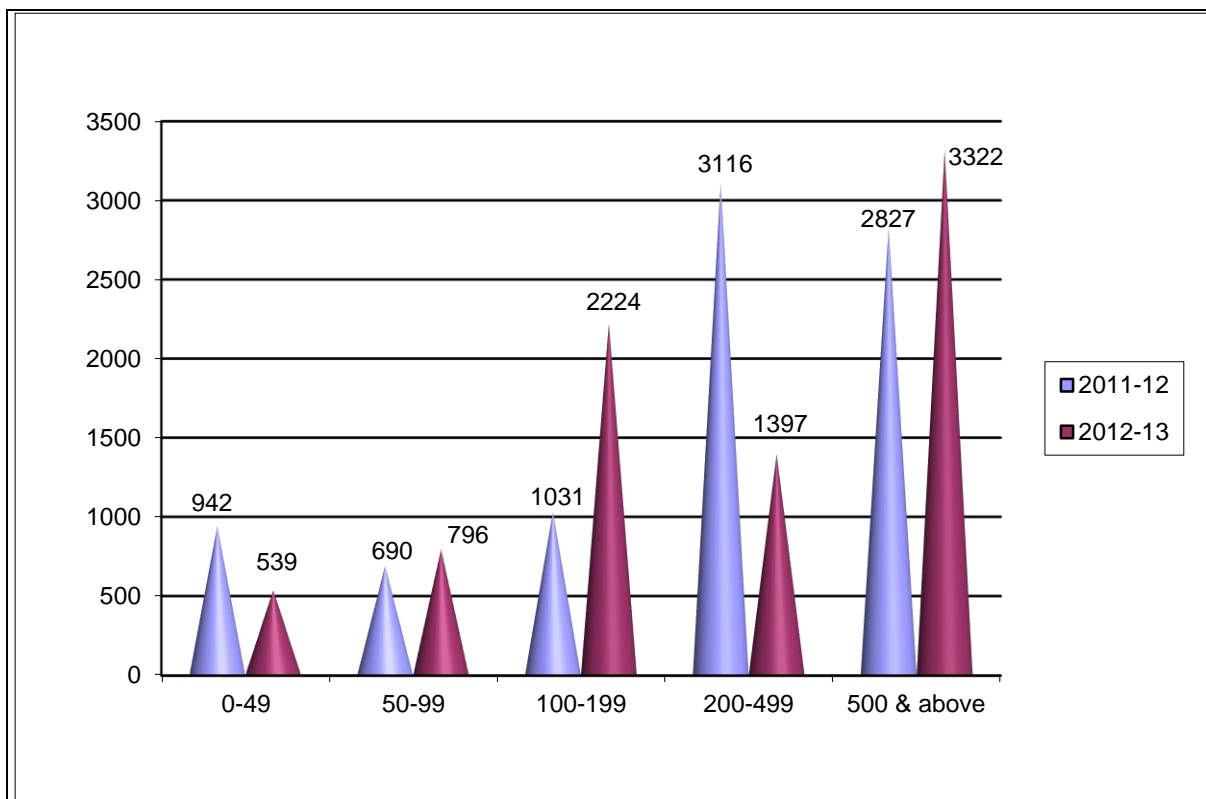
factories in the employment range class of 100-199 and 50-99 respectively during the year 2012-13. The value of NVA to Gross output was highest in 100-199 employment range i.e 0.42. Total emoluments to NVA were ranged between 0.07% to 0.48% in the employment range of 100-199 and 0-49 respectively. In other words, 0.07% to 0.48% of NVA generated was disbursed as emoluments as least and highest remuneration during the current year in the whole set up.

DISTRIBUTION OF FACTORIES BY SIZE OF EMPLOYMENT

(i) No. of Factories



(ii) Fixed Capital (Rs. in crores)



CHAPTER – V

DISTRIBUTION OF FACTORIES BY SIZE OF CAPITAL

5.1 Principal Characteristics: The distribution of factories together with their share in certain selected characteristics by size of capital, viz. the un-depreciated gross value of plant and machinery installed in the factory whether owned or leased in, is given in Table 5.1 along with the percentage distribution of factories according to the investment in Plant and Machinery duly compared with the earlier year

TABLE NO. 5.1
PRINCIPAL CHARACTERISTICS BY SIZE OF CAPITAL

(Value in Rs. crore)

Capital range of Plant & Machinery (Rs.lac)	Factories (Number)		Fixed Capital		Workers (number)		Gross Output		Net Value Added	
	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13
1	2	3	4	5	6	7	8	9	10	11
Upto 5.0 (%)	130 (22.18)	255 (42.71)	302 (3.51)	252 (3.04)	3560 (7.96)	3191 (8.55)	1910 (4.54)	876 (2.39)	239 (2.03)	127 (1.20)
5.0 - 20 (%)	40 (6.83)	17 (2.85)	16 (0.19)	7 (0.08)	519 (1.16)	241 (0.65)	123 (0.29)	41 (0.11)	23 (0.19)	12 (0.12)
20 - 50 (%)	47 (8.02)	27 (4.52)	43 (0.50)	80 (0.96)	697 (1.56)	663 (1.78)	368 (0.87)	332 (0.91)	73 (0.62)	59 (0.55)
50 - 200 (%)	102 (17.41)	45 (7.54)	285 (3.31)	87 (1.05)	4600 (10.29)	1604 (4.29)	2909 (6.91)	598 (1.64)	124 (1.06)	124 (1.17)
200 -1000 (%)	145 (24.74)	131 (21.94)	833 (9.68)	681 (8.23)	9607 (21.49)	7273 (19.48)	9493 (22.55)	3967 (10.84)	5075 (43.07)	571 (5.39)
1000-5000 (%)	70 (11.95)	81 (13.57)	1181 (13.73)	1893 (22.87)	10845 (24.26)	10799 (28.92)	5519 (13.11)	11445 (31.27)	1044 (8.86)	5387 (50.82)
>5000 (%)	52 (8.87)	41 (6.87)	5945 (69.07)	5279 (63.77)	14881 (33.28)	13567 (36.33)	21780 (51.73)	19338 (52.84)	5204 (44.17)	4320 (40.75)
Total (%)	586 (100)	597 (100)	8606 (100)	8278 (100)	44710 (100)	37338 (100)	42102 (100)	36597 (100)	11782 (100)	10600 (100)

(Figures in bracket indicate percentages)

The concentration of as much as 130 and 255 establishments or 22.18% and 42.71% of the total number of registered factories covered during the years 2011-12 and 2012-13 respectively, invested on an average amount up to Rs.5 lakh in plant and machinery.

As against these factories with gross investment in plant & machinery between Rs.200-1000 lakh covered 145 and 131 (24.74% and 21.94%) factories in number and used Rs.833 crore and Rs.681 crore (9.68% & 8.23%) of the fixed capital. Further this group engaged workforce of 9607 and 7273; it produced goods and services worth Rs.9493 crore & Rs.3967 crore and contributed Rs.5075 crore & Rs.571crore on Net value added by manufacture during the years 2011-12 and 2012-13 respectively.

The lowest numbers of factories covered during 2011-12 were 40 or 6.83% in the capital range of Rs.5-20 lakhs, and it was 17 or 2.85% during 2012-13 in the same capital range of Rs.5-20 lakhs. The factories in the capital range of Rs.5000 lakh and above utilized fixed capital worth Rs.5945 crore & Rs.5279 crores (69.07% and 63.77% each), which provided employment to 14882 and 13567 (33.28% & 36.33%) persons during 2011-12 & 2012-13 respectively. The contribution of the factories above Rs.5000 lakh capital range towards gross output was to the tune of Rs.21780 crore and Rs.19338 crore or 51.73% & 52.84% and the Net value added by manufacture was Rs.5204 crore or 44.17% during the year 2011-12 and Rs.5387 crore or 50.82% in the capital range of Rs.1000-5000lakh during the year2012-13.

The lowest fixed capital of Rs.16 crore (0.19%) during 2011-12 and Rs.7 crore (0.08%) during the year 2012-13 were noticed in the capital range of Rs.5.0-20 lakh. The least number of workers employed were 519 and 241 workers in the capital range of Rs.5.0-20 lakh during the years 2011-12 & 2012-13 respectively who produced goods/services of the value of Rs.123 crores and Rs.41 crore contributing to the net income in the form of net value added of the order of Rs.23 crore and Rs.12 crore of the total net value added during the year 2011-12 and 2012-13.

TABLE NO. 5.2
PERCENTAGE GROWTH IN PRINCIPAL CHARACTERISTICS BY
SIZE OF CAPITAL DURING 2012-13 OVER 2011-12

Capital range of Plant& Machinery (Rs. in lakh)	Factories	Fixed Capital	Workers	Gross Output	Net Value Added
1	2	3	4	5	6
Upto 5.0	96.2	-16.9	-10.4	-54.1	-46.9
5.0 - 20	-57.5	-56.3	-53.6	-66.7	-47.8
20 - 50	-42.6	86.0	-4.9	-9.8	-19.2
50 - 200	-55.9	-69.5	-65.1	-79.4	0
200 - 1000	-9.7	-18.2	-24.3	-58.2	-88.7
1000-5000	15.7	60.3	-0.4	107.4	416.0
>5000	-21.2	-11.2	-8.8	-11.2	-17.0
Total	1.9	-3.8	-16.5	-13.1	-10.0

Growth: Table 5.2 exhibits the growth in factories during the year 2012-13 over the previous year in terms of factories with gross investment in plant and machinery. Factories investing in plant and machinery in the capital range of Rs. upto 5.0 lakh and have registered highest growth of 96.2% followed by 15.7% in Rs.1000-5000 lakhs in capital range. However, there was negative growth in number of factories in all other capital ranges upto Rs.5.0-20 lakhs, Rs 20-50 lakhs, 50-200, 200-1000 & Rs >5000 lakhs during 2012-13 over 2011-12.

The maximum growth of 86.0% in the fixed capital was noticed in the employment range in Rs.20.0- 50.0 lakh followed by 60.3% in the range of Rs.1000-5000 lakhs. The growth in the number of workers employed is declined in all the capital ranges from Rs.5.0 lakh to >5000. Gross output grew by 107.4% in capital range to Rs.1000-5000 lakhs. Maximum growth in net value added is Rs.416.0% was observed in the factories investing in plant and machinery in capital range upto Rs.1000-5000 lakh.

5.3 Structural Ratios and Technical Coefficients: Table 5.3 below reveals structural ratios and Technical coefficient of factories, classified by size of capital invested in plant and machinery.

TABLE NO. 5.3
STRUCTURAL RATIOS AND TECHNICAL COEFFICIENTS BY SIZE OF CAPITAL

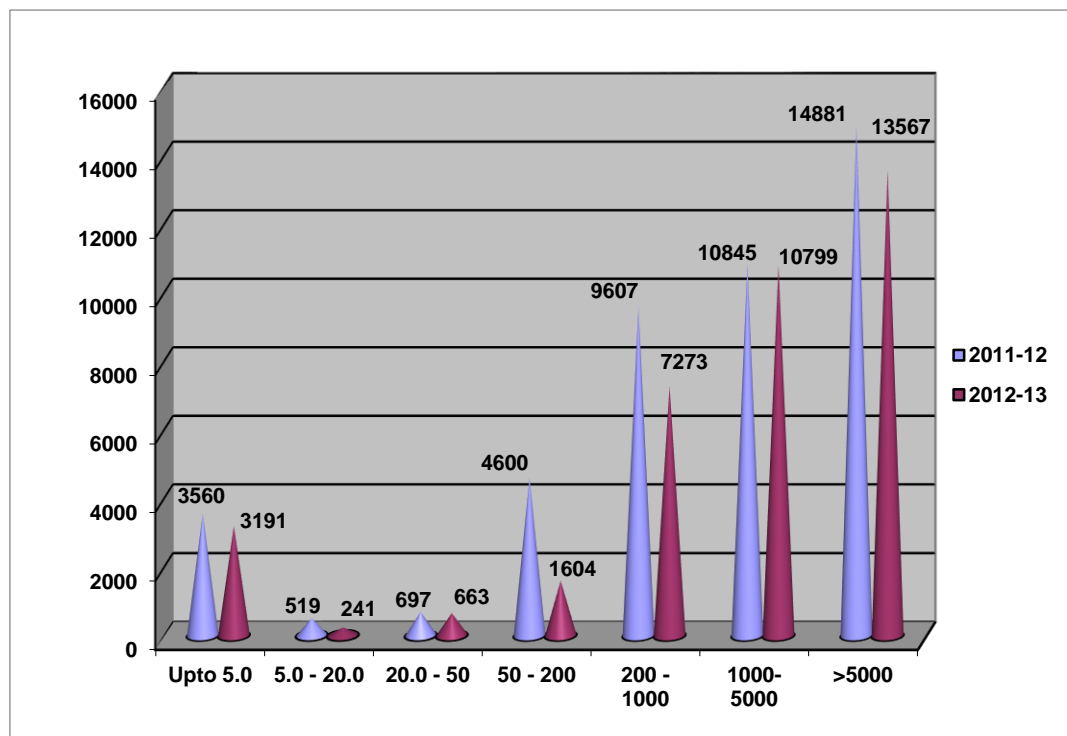
Capital range of Plant & Machinery (Rs.in lac)	Fixed capital per person engaged (Rs. in lakh)		Net value added per person engaged (Rs. in lakh)		Wages per worker (Rs. in lakh)		Technical Coefficient							
							FC to NVA		FC to GOP		NVA to GOP		Total Emoluments to NVA	
	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Upto 5.0	6.74	5.94	5.34	3.00	1.38	0.96	1.26	1.98	0.16	0.29	0.13	0.15	0.34	0.50
5.0 - 20	2.31	2.02	3.25	3.56	1.14	0.84	0.71	0.57	0.13	0.17	0.18	0.30	0.41	0.42
20 - 50	3.54	6.86	5.95	5.05	1.09	1.21	0.59	1.36	0.12	0.24	0.20	0.18	0.44	0.49
50 - 200	4.13	3.55	1.80	5.05	1.08	0.95	2.29	0.70	0.10	0.15	0.04	0.21	0.89	0.33
200 - 1000	5.93	6.23	36.12	5.23	1.06	1.04	0.16	1.19	0.09	0.17	0.53	0.14	0.05	0.45
1000-5000	6.85	11.32	6.05	32.20	1.31	1.45	1.13	0.35	0.21	0.17	0.19	0.47	0.36	0.07
>5000	27.82	26.41	24.35	21.61	1.94	2.04	1.14	1.22	0.27	0.27	0.24	0.22	0.12	0.16
Total	13.04	14.83	17.86	18.99	1.42	1.51	0.73	0.78	0.20	0.23	0.28	0.29	0.12	0.14

The lowest and the highest ratio for Fixed Capital per person engaged during 2011-12 is Rs. 2.31 lakh and Rs.27.82 lakhs in the capital range upto Rs.5 -20 lakh and Rs.>5000 lakhs respectively, while it was Rs.2.02 lakh and Rs.26.41 lakhs in the capital ranges of upto Rs.5.0-20 lakhs and above Rs.5000 lakhs respectively during 2012-13. The Net value added contributed by each person engaged was as high as Rs.36.12 lakhs and Rs.32.20 lakhs in the factories of the capital range of Rs.200-1000 lakhs and Rs. 1000-5000 lakhs range for the year 2011-12 and 2012-13 respectively and the lowest being Rs. 1.80 lakh and Rs. 3.00 lakh in the capital range of up to Rs.50-200 lakh and Rs.5.00 lakhs during 2011-12 and 2012-13 respectively.

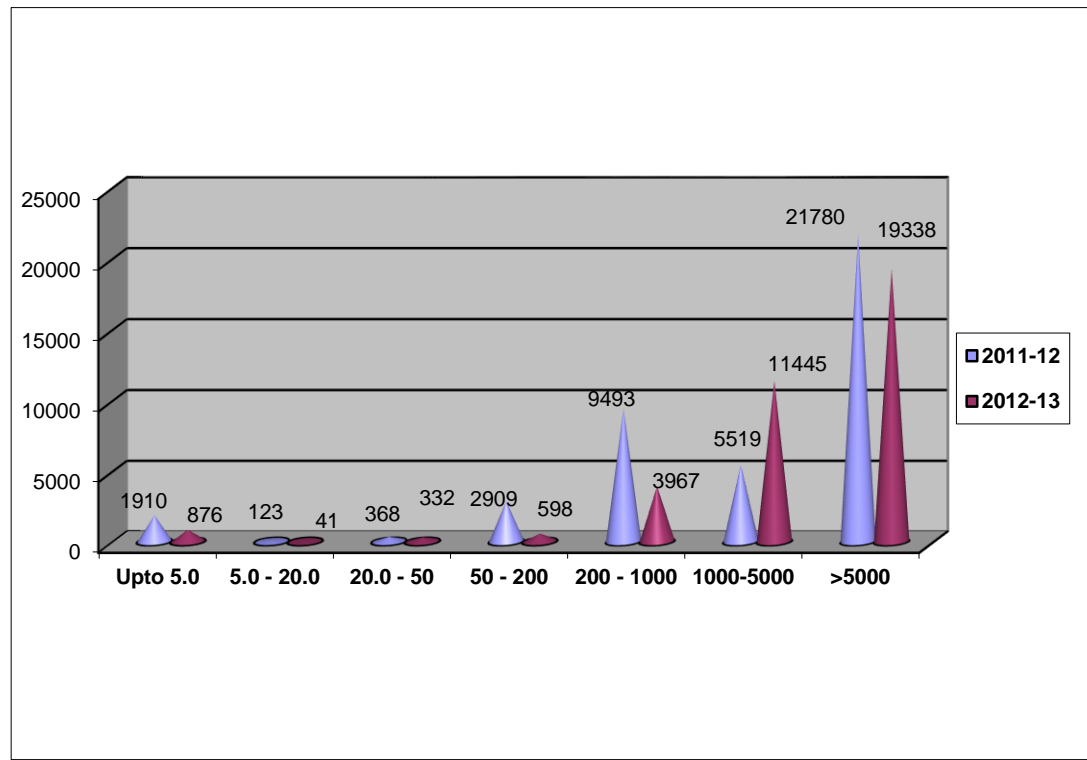
The workers employed in the capital range investment of above Rs. >5000 lakhs were paid average highest remuneration to the tune of Rs.1.94 lakh and Rs.2.04 lakh per annum during the respective years, average remuneration of all the capital ranges being Rs.1.42 lakh and Rs.1.51 Lakh respectively for the years under consideration.

As far as co-efficient is concerned, least Fixed Capital utilized to generate Net Value Added worth rupees 0.16 and 0.35 noted during 2011-12 and 2012-13 in the capital range Rs.200-1000 lakh and Rs.1000-5000 lakh. However, the highest was in the range of 50-200 i.e. 2.29 during 2011-12 and it was 1.98 in the capital range of upto Rs.5.00 lakh during the year 2012-13. The highest Fixed Capital utilized to produce Gross Output was 0.29 in the range up-to Rs. 5.00 lakh during 2012-13, and the least was 0.15 which falls in the range of Rs.50-200 lakh for the year 2012-13. The highest NVA to GOP was in the range of Rs1000-5000 lakh i.e.0.47 and lowest was in the range of Rs.200-1000 lakhs is 0.14 for the year 2012-13.

i) No. of workers



ii) **Gross Output ((Rs. in crores)**



CHAPTER – VI

DISTRIBUTION OF FACTORIES BY TYPE OF OWNERSHIP

Principal Characteristics : Table No.6.1 indicate the distribution of factories canvassed during the years 2010-11 and 2011-12 in absolute and percentage terms by type of ownership viz. public, private and joint sectors.

TABLE NO. 6.1

Principal Characteristics by Type of Ownership

(Value in Rs. crore)

Type of Ownership	Factories		Fixed Capital		Workers (Number)		Output		Net Value Added	
	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13
1	2	3	4	5	6	7	8	9	10	11
1. Wholly Central Govt. (%)	0 (0)	1 (0.17)	0 (0)	8 (0.10)	0 (0)	36 (0.10)	0 (0)	98 (0.27)	0 (0)	37 (0.35)
2. Wholly State Govt. /Local Govt. (%)	2 (0.34)	3 (0.50)	9 (0.10)	15 (0.18)	153 (0.34)	358 (0.96)	31 (0.07)	70 (0.19)	9 (0.08)	10 (0.09)
3. Central & State/local Govt. (%)	0 (0)	1 (0.17)	0 (0)	3 (0.04)	0 (0)	33 (0.09)	0 (0)	3 (0.01)	0 (0)	2 (0.02)
Public Sector (1+2+3) (%)	2 (0.34)	5 (0.84)	9 (0.10)	26 (0.32)	153 (0.34)	427 (1.15)	31 (0.07)	171 (0.47)	9 (0.08)	49 (0.46)
4. Joint Sector (Public) (%)	8 (1.37)	48 (8.04)	75 (0.87)	3261 (39.40)	1049 (2.35)	12867 (34.46)	543 (1.29)	11801 (32.25)	91 (0.77)	3813 (35.97)
5. Joint Sector (Private) (%)	7 (1.19)	32 (5.36)	331 (3.85)	1577 (19.05)	1589 (3.55)	3982 (10.66)	727 (1.73)	8813 (24.08)	215 (1.83)	1657 (15.64)
Joint Sector (4+5) (%)	15 (2.56)	80 (13.40)	406 (4.72)	4839 (58.44)	2638 (5.90)	16849 (45.12)	1270 (3.02)	20614 (56.33)	306 (2.60)	5470 (51.61)
6. Wholly Private (%)	569 (97.10)	456 (76.38)	8191 (95.18)	3389 (40.93)	41919 (93.76)	19748 (52.89)	40800 (96.91)	15701 (42.90)	11467 (97.33)	5064 (47.78)
7. Others (Incl NR) (%)	0 (0)	56 (9.38)	0 (0)	24 (0.30)	0 (0)	314 (0.84)	0 (0)	111 (0.30)	0 (0)	17 (0.15)
Total (%)	586 (100)	597 (100)	8606 (100)	8278 (100)	44710 (100)	37338 (100)	42101 (100)	36597 (100)	11782 (100)	10600 (100)

Figures in bracket indicates percentages

It may be observed that a very large in number viz. 569 and 456 or 97.10% and 76.38% of the total factories belonging to wholly private ownership and others (including NR) category, controlled the whole set up dominating in all attributes over all the sectors. This sector alone provided employment to 41919 workers and the same is reduced to 19748 workers during the year 2012-13 under, which works out to 93.76% & 52.89% for both the years respectively and utilized fixed capital worth Rs.8191 crore (95.18%) and Rs.3389 crore (40.93%) and which accounted for increasing the level of income of the state in the form of net value added by Rs.11467 crore (97.33%) during the year 2011-12 and decreased to Rs.5084 crore (47.93%) for the year 2012-13.

As against these the public sector factories either owned wholly or jointly by the Central, State or Local Governments were only 2 and 5 in numbers (0.34% and 0.84%) of the total factories during the year 2011-12 and 2012-13 respectively. These factories controlled Rs.9 crore and Rs.26 crore or (0.10%) and (0.32%) of the total fixed capital and engaged 153 or (0.34%) and 427 or (1.15%) of the total workforce respectively in the registered factories sector during 2011-12 and 2012-13 respectively. Their shares in the total gross output and net value added were Rs.31 crore and Rs.171 crore or (0.07%) and (0.47%) and Rs.9 crore or (0.08%) and Rs.49 crore or (0.46%) of the respective total.

The third sector i.e. Joint sector covered 15 and 80 factories each, utilized fixed capital worth Rs.406 crore and Rs.406 crore, engaged 2638 and 16849 workers manufacture products of the value of Rs.1270 crore and Rs.20614 crore during both the years. The Net Value Added generated was of the order of Rs.306 crore and Rs.5470 crore respectively during the year 2011-12 and 2012-13.

TABLE NO. 6.2

**PERCENTAGE GROWTH IN PRINCIPAL CHARACTERISTICS BY
TYPE OF OWNERSHIP DURING 2012-13 OVER 2011-12**

Type of Ownership	Factories	Fixed Capital	Workers	Output	Net Value Added
1	2	3	4	5	6
1. Wholly Central Govt.	0.0	0.0	0.0	0.0	0.0
2. Wholly State Govt.	50.0	66.7	134.8	125.8	11.1
3. Central & State/local Govt.	0.0	0.0	0.0	0.0	0.0
Public Sector (1+2+3)	150.0	188.9	179.1	451.6	444.4
4. Joint Sector (Public)	500.0	4248.0	1126.6	2073.3	4090.1
5. Joint Sector (Private)	357.1	376.4	150.6	1112.2	670.7
Joint Sector (4+5)	433.3	1091.9	538.7	1523.1	1687.6
7. Wholly Private	-19.9	-58.6	-52.9	-61.5	-55.8
8. Others (incl.NR)	0.0	0.0	0.0	0.0	0.0
Total	1.88	-3.8	-16.5	-13.1	-10.0

Growth: As compared to 2011-12, the number of factories in the Joint sector during 2012-13 has increased by 65 i.e. (433.3%) that increased the fixed capital by 1091.9%. Number of workers has also increased by 538.7%, produced goods and services with a growth of 1523.1%, thereby generating net value added which was higher by 1687.6% over 2013-14. Under Public sector, while there was an increase of 188.9% in the fixed capital and a growth decreased by 451.6% and 444.4% in gross output and net value added, the number of workers has increased by 179.1%, leaving the growth in the number of factories at 150% over the year 2012-13. Similarly, under Wholly Private Sector, all categories have shown a negative growth.

TABLE NO. 6.3
STRUCTURAL RATIOS AND TECHNICAL COEFFICIENTS BY TYPE OF OWNERSHIP

Type of Ownership	Fixed capital per person engaged (Rs. in lakh)		Net value added per person engaged (Rs. in lakh)		Wages per worker (Rs. in lakh)		Technical Coefficient							
							FC to NVA		FC to GOP		NVA to GOP		Total Emoluments to NVA	
	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1. Wholly Central Govt.	-	18.07	-	83.29	-	2.39	-	0.22	-	0.08	-	0.38	-	0.05
2. Wholly State Govt.	3.47	2.64	3.63	1.67	1.84	1.78	0.95	1.58	0.28	0.22	0.29	0.14	0.58	1.26
3. Central & State/ local Govt.	-	7.02	-	3.88	-	3.42	-	1.81	-	1.28	-	0.71	-	1.37
Public Sector (1+2+3)	3.47	4.00	3.63	7.36	1.84	1.96	0.95	0.54	0.28	0.16	0.29	0.29	0.58	0.34
4. Joint Sector (Public)	5.45	18.96	6.69	22.16	2.10	1.81	0.82	0.86	0.14	0.28	0.17	0.32	0.44	0.14
5. Joint Sector (Private)	12.36	31.40	8.04	33.00	0.65	2.30	1.54	0.95	0.46	0.18	0.30	0.19	0.21	0.11
Joint Sector (4+5)	10.03	21.77	7.58	24.61	1.23	1.92	1.32	0.88	0.32	0.23	0.24	0.27	0.28	0.13
6. Wholly Private	13.28	10.43	18.59	15.59	1.43	1.15	0.71	0.67	0.20	0.22	0.28	0.32	0.12	0.15
7. Others (Inc NR)	-	5.36	-	3.57	-	1.28	-	1.50	-	0.22	-	0.15	-	0.58
Total	13.04	14.83	17.86	18.99	1.42	1.51	0.73	0.78	0.20	0.23	0.28	0.29	0.12	0.14

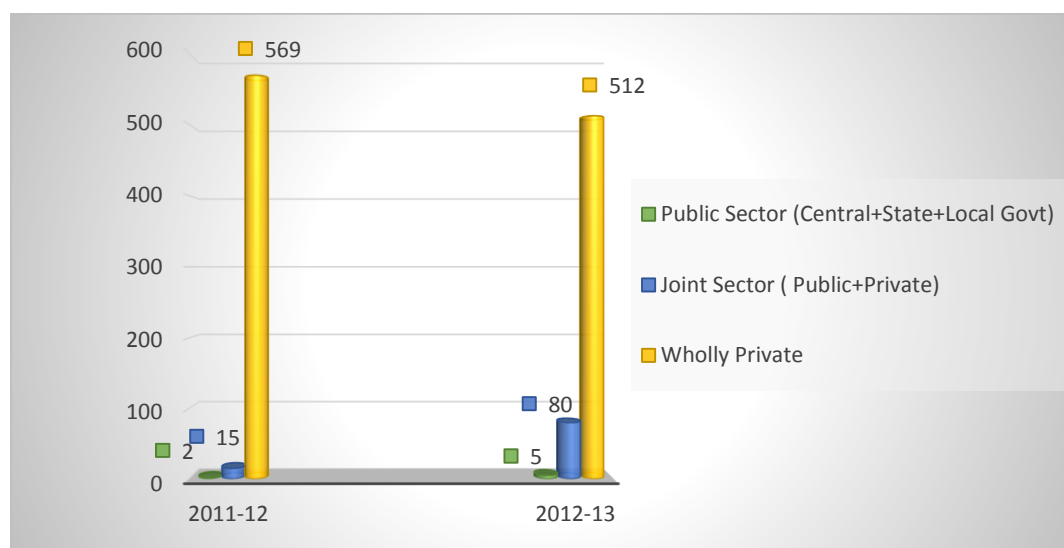
Structural ratios and technical coefficients: Certain structural ratios and technical coefficients for each type of ownership are given in table 6.3. On an average, each person engaged in Joint sector generated an income in the form of net value added which was worth Rs.7.58 lakh and 24.61 lakhs and it utilized fixed capital worth Rs.10.03 lakhs & 21.77 lakhs respectively during 2011-12 & 2012-13 ,and it was during 2012-13 the income generated in the form of net value added was worth Rs.24.61 lakhs. The remuneration paid to each worker in this profit oriented sector was Rs.1.92 lakh during 2012-13.

The net value added for each rupee of gross output produced in public sector has constant figure of Rs.0.29 lakh for year 2011-12 and 2012-13 each. Each rupee of gross output produced came from utilization of fixed capital has decreased from Rs. 0.28 lakh to 0.16 lakh during 2011-12 and 2011-12 in Public Sector and it was 0.20 lakh & 0.23 lakh among the entire sector during respective years, 2011-12 & 2012-13. Similarly, net value added come from utilization of fixed capital has decreased from Rs. 0.95 lakh to Rs.0.54 lakh during 2011-12 and 2012-13. Among all the sectors, it was Rs.0.73 lakh and Rs.0.78 lakh for the years 2011-12 & 2012-13.

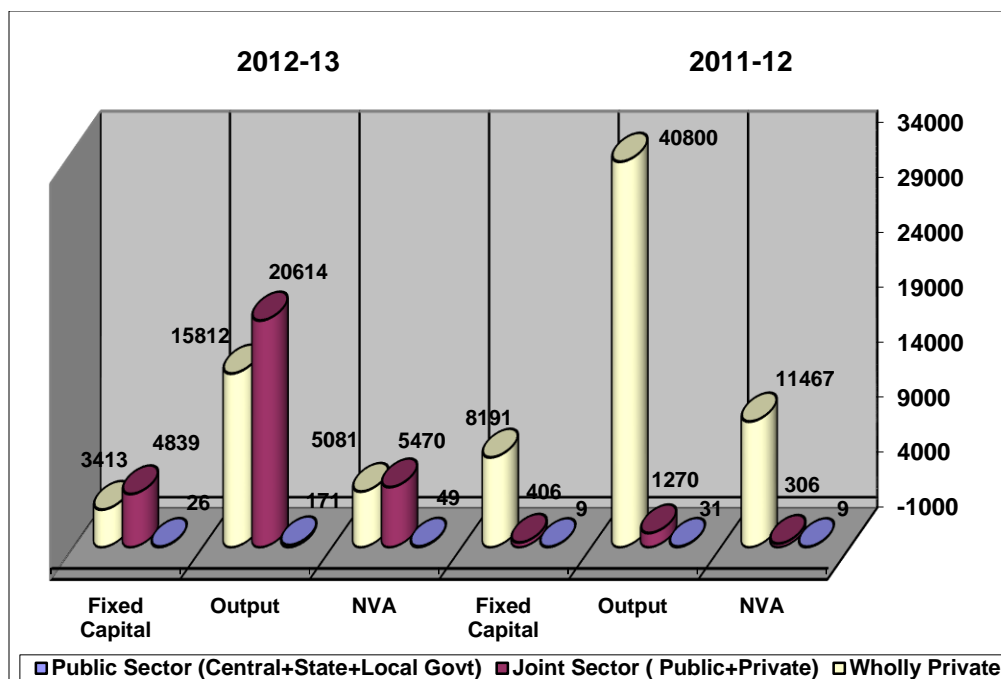
Among all the sectors, the average emoluments paid to a person engaged in production activity in relation to NVA generated has been decreased from 0.12 lakh to 0.14 lakh for the year 2011-12 and 2012-13.

Principal Characteristics by Type of Ownership

(i) No. of Factories



(ii) **Comparison of important characteristics by Type of Ownership**



CHAPTER – VII

DISTRIBUTION OF FACTORIES BY TYPE OF ORGANISATION

Principal Characteristics: Table 7.1 gives the distribution of factories and other related aggregates in absolute and percentage terms respectively by type of organization. The organizations are classified as (i) Individual proprietorship (ii) Partnership (iii) Public limited company (iv) Private limited company (v) Government Departmental Enterprise (excluding Khadi & Handloom)Khadi and village industry (vi) Public corporation by special Act of Parliament, (vii) Co-operative Societies and (viii) others(including NR etc. The public limited company and private limited company constitute the corporate sector.

Table 7.1
PRINCIPAL CHARACTERISTICS BY TYPE OF ORGANISATION

(Value in Rs. Crore)

Type of Organization		Factories (Number)		Fixed Capital		Workers (number)		Gross Output		Net Value Added	
		2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13
1	2	3	4	5	6	7	8	9	10	11	12
1	Individual proprietorship (%)	81 (13.82)	60 (10.05)	53 (0.62)	45 (0.54)	1703 (3.81)	1069 (2.86)	362 (0.86)	169 (0.46)	53 (0.45)	30 (0.28)
2	Partnership (%)	75 (12.80)	82 (13.73)	278 (3.23)	116 (1.40)	2601 (5.82)	1522 (4.08)	750 (1.78)	508 (1.39)	-68 (-0.58)	46 (0.43)
3	Public Limited Company (%)	96 (16.39)	83 (13.90)	4453 (51.74)	4866 (58.78)	16937 (37.88)	17334 (46.42)	22973 (54.56)	20765 (56.74)	5130 (43.54)	5494 (51.83)
4	Private Limited Company (%)	310 (52.90)	313 (52.43)	3806 (44.22)	3212 (38.80)	23180 (51.84)	16995 (45.51)	17904 (42.53)	14915 (40.75)	6675 (56.65)	4977 (46.95)
	Corporate Sector (3+4) Public & Private sector (%)	406 (69.29)	396 (66.33)	8259 (95.96)	8078 (97.58)	40117 (89.72)	34329 (91.93)	40877 (97.09)	35680 (97.49)	11805 (100.20)	10471 (98.79)
5	Government Departmental Enterprises (excluding Khadi & Handloom) (%)	1 (0.17)	1 (0.17)	3 (0.04)	3 (0.04)	34 (0.08)	33 (0.09)	4 (0.01)	3 (0.01)	3 (0.03)	2 (0.02)
6	Public Corporation by special Act. of parliament (%)	0 (0)	1 (0.17)	0 (0.00)	8 (0.10)	0 (0)	36 (0.10)	0 (0)	98 (0.27)	0 (0)	37 (0.35)
7	Co-operative Society (%)	3 (0.51)	3 (0.50)	13 (0.15)	25 (0.30)	255 (0.57)	332 (0.89)	109 (0.26)	139 (0.38)	-11 (-0.09)	14 (0.13)
8	Others (Incl NR.) (%)	20 (3.41)	54 (9.05)	0 (0.00)	3 (0.04)	0 (0.00)	17 (0.05)	0 (0.00)	1 (0.00)	0 (0)	0 (0)
Total		586	597	8606	8278	44710	37338	42102	36597	11782	10600
%		(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)

Figures in brackets indicate percentage

The corporate sector accounted for 406 and 396 factories or 69.29% and 66.33% of the total number of factories and held fixed capital amounting to Rs.8259 crore and Rs.8078 crore comprising 95.96% and 97.58% of the total fixed capital and employed 40117 and 34329 workers i.e. 89.72% & 91.93% of the total during the years considered. The contribution of this sector to the value of output was of the order of 97.09% & 97.49% during the year 2011-2012 and 2012-13 respectively, while net value added was Rs.11805 crore and Rs. 10471 crore of the total.

Under the corporate sector- the number of factories classified under Private limited company/ organizations were 52.90% and 52.43% of the total during the year 2011-12&2012-13 respectively. They utilized 44.22% and 38.80% of the fixed capital, their contribution to the value of output and NVA was 42.53% and 56.65% during 2011-12 and 40.75% & 46.95% during 2012-13 respectively. Employment was 51.84% & 45.51% of the total workers to carry out the production activity during the year 2011-12 & 2012-13.

Table No. 7.2

**PERCENTAGE GROWTH IN PRINCIPAL CHARACTERISTICS BY
TYPE OF ORGANISATION DURING 2012-13 OVER 2011-12**

Type of Organization	Factories	Fixed Capital	Workers	Output	Net Value Added
1	2	3	4	5	6
1. Individual Proprietorship	-25.9	-15.1	-37.2	-53.3	-43.4
2. Partnership	9.3	-58.3	-41.5	-32.3	-32.3
3. Public limited company	-13.5	9.3	2.3	-90.6	7.1
4. Private limited company	1.0	-15.6	-26.7	-16.7	-25.4
Corporate Sector (3+4) Public & Private Sector	-2.5	-2.2	-14.4	-12.7	-11.3
5. Government Departmental Enterprises (excluding Khadi & Handloom)	0.0	0.0	-2.9	-25.0	-33.3
6. Public Corporation by Special Act of Parliament or State Legislature of PSU	0.0	0.0	0.0	0.0	0.0
7. Cooperative societies	0.0	92.3	30.2	27.5	27.3
8. Others (including NR.)	170.0	0.0	0.0	0.0	0.0
Total	1.9	-3.8	-16.5	-13.1	-10.0

Growth: It may be observed that though the cooperative societies have not increased in numbers, they have dominated the fix capital to gross 92.3%, gross output of 27.5%, Net value added of 27.3% and 30.2% of workers during 2012-13 over 2011-12. Within the cooperate sector, in all the characteristics it has shown the growth in negative trend and only in the partnership sector, the number of factories has increased to 9.3% and showing the negative growth in all other characteristics during 2012-13 over 2011-12.

TABLE NO. 7.3

STRUCTURAL RATIOS AND TECHNICAL COEFFICIENTS BY TYPE OF ORGANISATION

Type of Organization	Fixed capital per person engaged (Rs. in lakh)		Net value added per person engaged (Rs. in lakh)		Wages per worker (Rs. in lakh)		Technical Coefficient							
							FC to NVA		FC to GOP		NVA to GOP		Total Emoluments to NVA	
	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1. Individual Proprietorship	2.68	3.16	2.69	2.11	0.84	0.79	1.00	1.50	0.15	0.26	0.15	0.18	0.37	0.54
2. Partnership	6.86	5.73	-1.67	2.25	0.90	0.90	-4.10	2.54	0.37	0.23	-0.09	0.09	-0.85	0.69
3. Public limited company	18.73	21.22	21.57	23.95	1.89	1.91	0.87	0.89	0.19	0.23	0.22	0.26	0.13	0.13
4. Private limited company	10.65	11.15	18.67	17.27	1.17	1.18	0.57	0.65	0.21	0.22	0.37	0.33	0.11	0.14
Corporate Sector (Public & Private)	13.88	15.61	19.83	20.24	1.47	1.55	0.70	0.77	0.20	0.23	0.29	0.29	0.12	0.14
5. Government Departmental Enterprises (excluding Khadi & Handloom)	6.03	7.02	4.38	3.88	2.47	3.42	1.38	1.81	0.82	1.28	0.59	0.71	0.61	1.37
6. Public Corporation by special Act of Parliament	0.0	18.07	0.0	83.29	0.0	2.39	0.0	0.22	0.0	0.08	0.0	0.38	0.0	0.05
7. Cooperative society	3.56	4.85	-2.80	2.58	1.95	2.31	-1.28	1.88	0.12	0.18	-0.10	0.10	-1.08	0.96
8. Others (including NR)	0.0	11.45	0.0	0.0	0.0	0.82	0.0	0.0	0.0	2.74	0.0	0.0	0.0	0.0
Total	13.04	14.83	17.86	18.98	1.42	1.51	0.73	0.78	0.20	0.23	0.28	0.29	0.12	0.14

Structural ratios and technical co-efficient: A comparison of various ratios and technical coefficients of factories classified by type of organization during 2011-12 and 2012-13 are given in table No.7.3. During 2011-12 and 2012-13, in the corporate sector, the fixed capital worth of Rs.13.88 lakhs and Rs.15.61 lakhs were utilized by each person engaged. Within the corporate sector, the public limited company utilized the fixed capital worth of Rs.18.73 lakhs and Rs.21.22 lakhs by each person engaged and utilization of fixed capital of Rs.10.65 lakhs and Rs.11.15 lakhs in the private limited company during 2011-12 and 2012-13 respectively. Wages paid per worker during 2012-13 was Rs.1.18 lakh was reasonably high compare to the year 2011-12 of Rs.1.17 lakh in Private LimitedCompany. Average emoluments paid in relation to generation of NVA of each rupee have increased to Rs.0.14 lakh in 2012-13 compare to the year 2011-12 of Rs.0.12 lakh.

Annual Survey of Industries, 2012-13
Annexure : 1.0 Selected Characteristics by Major Industries (Industry Code Numbers)

Value in Rs. lakh, Others in numbers

Characteristics	All	102	104	105	107	110	139	170	181	191
1. Number Of Factories	597	7	3	5	29	40	7	32	15	4
2. Factories In Operation	538	7	3	4	23	37	7	24	15	4
3. Fixed Capital	827836	4404	1717	4097	93024	18076	34009	6712	23863	21724
4. Physical Working Capital	511637	706	1430	1072	8934	17027	5225	1889	1665	24633
5. Working Capital	177873	493	736	134	8668	17070	2511	-623	10781	-12965
6. Invested Capital	1339474	5110	3147	5168	101958	35103	39234	8601	25528	46359
7. Gross Value Of Addition To Fixed Capital	243734	980	105	548	42811	2001	25720	770	3303	14890
8. Rent Paid For Fixed Assets	8969	12	40	5	188	44	3	34	126	6
9. Outstanding Loan	231396	2385	0	231	5224	10310	705	2773	19489	45616
10. Interest Paid	40148	129	0	63	665	970	40	625	1704	77
11. Rent Received For Fixed Assets	1887	0	0	0	34	270	0	8	0	0
12. Interest Received	7993	97	3	54	74	44	9	36	749	629
13. Gross Value Of Plant & Machinery	891807	1694	1408	2900	85921	18808	39793	4921	22682	28074
14. Value Of Product And By-Product	3101397	32014	7301	9996	147831	35519	78161	17306	39308	94093
15. Total Output	3659659	34271	7319	12710	148427	45736	78165	17557	45425	95055
16. Fuels Consumed	137762	560	307	251	7061	1549	712	442	1082	163
17. Materials Consumed	1857417	30168	7139	9339	68087	24527	46351	11645	28740	90373
18. Total Inputs	2527235	32200	8733	10244	79903	35504	55118	13309	32887	98687
19. Gross Value Added	1132424	2071	-1414	2466	68524	10232	23047	4248	12538	-3632
20. Depreciation	72468	456	217	254	7300	2341	1708	696	3085	1522
21. Net Value Added	1059957	1615	-1631	2212	61224	7892	21338	3552	9453	-5155
22. Net Fixed Capital Formation	123648	514	-190	271	11736	-371	23976	58	178	13324
23. Gross Fixed Capital Formation	196116	970	28	525	19036	1970	25684	754	3263	14847
24. Addition in Stock of	-25295	92	143	-1	-1841	2163	2709	-219	-17	-22579
(a) Materials, Fuels etc.	-13129	197	-298	-21	-1519	1428	1127	-281	-11	-26941
(b) Semi Finished Goods	-6245	0	0	0	6	852	-15	-16	-32	-15
(c) Finished Goods	-5921	-105	441	20	-328	-117	1597	78	26	4377
25. Gross Capital Formation	170821	1063	171	523	17195	4134	28393	534	3246	-7732
26. Income	1019846	1571	-1668	2198	60447	6922	21305	2937	8371	-4609
27. Profit	847432	397	-2527	1299	54088	2782	20099	1496	4814	-6964

Annual Survey of Industries, 2012-13
Annexure : 1.0 Selected Characteristics by Major Industries (Industry Code Numbers)

(Value in Rs. lakh, Others in numbers)

	201	202	210	221	222	239	241	242	243	251
1. Number Of Factories	12	38	57	7	54	20	41	14	3	10
2. Factories In Operation	12	35	57	7	41	14	41	9	3	7
3. Fixed Capital	30101	87132	147424	14419	25707	5518	117595	1690	1209	10293
4. Physical Working Capital	58622	50700	108550	11756	6218	4509	79851	3096	1303	3855
5. Working Capital	28574	28666	-4877	32	-115691	22351	30326	5822	5396	764
6. Invested Capital	88723	137832	255975	26176	31925	10026	197445	4786	2511	14148
7. Gross Value Of Addition To Fixed Capital	8748	19678	37288	1860	7790	852	46654	68	258	744
8. Rent Paid For Fixed Assets	2902	194	588	26	286	26	524	1	3	57
9. Outstanding Loan	6040	7738	46198	8	4335	868	9331	98	3788	3896
10. Interest Paid	9593	5228	2684	9	1066	24	4575	66	80	1395
11. Rent Received For Fixed Assets	32	647	172	0	45	0	363	0	0	0
12. Interest Received	1552	76	501	3	368	315	955	64	4	99
13. Gross Value Of Plant & Machinery	40793	74146	137363	29319	40065	6952	128747	3371	2468	11147
14. Value Of Product And By-Product	249375	449952	654807	212334	66421	31722	367689	9431	8186	10524
15. Total Output	512821	585059	692798	212992	69754	34415	380413	9808	8564	12077
16. Fuels Consumed	33991	14455	14722	9925	2546	1201	35991	199	649	254
17. Materials Consumed	202499	286578	209594	111850	36754	22325	242442	5993	5102	6649
18. Total Inputs	488503	350207	287820	124439	45210	26729	295559	6598	6431	8200
19. Gross Value Added	24318	234852	404978	88553	24544	7686	84854	3210	2133	3877
20. Depreciation	2559	7238	13126	1887	2765	635	7086	244	206	1289
21. Net Value Added	21759	227613	391852	86666	21780	7051	77768	2966	1927	2588
22. Net Fixed Capital Formation	5929	10142	5579	-95	3766	183	38805	-191	52	-633
23. Gross Fixed Capital Formation	8489	17380	18706	1792	6530	818	45890	53	258	657
24. Addition in Stock of	-13939	-226	16657	2886	-181	353	18829	470	16	629
(a) Materials, Fuels etc.	-7647	-2417	14438	2735	-146	377	8194	-43	-63	14
(b) Semi Finished Goods	854	9522	5014	1103	28	34	1972	-233	80	-77
(c) Finished Goods	-7146	-7331	-2795	-952	-63	58-	8663	746	-1	692
25. Gross Capital Formation	-5450	17155	35363	4678	6349	1171	64718	523	275	1286
26. Income	10824	222914	389229	86634	20804	7316	73625	2963	1848	1234
27. Profit	944	210994	341904	79582	17378	2594	61647	2436	1198	-655

Annual Survey of Industries, 2012-13
Annexure : 1.0 Selected Characteristics by Major Industries (Industry Code Numbers)

(Value in Rs. lakh, others in numbers)

Characteristics	259	261	262	263	265	271	273	275	279	281
1. Number Of Factories	19	8	6	3	10	14	7	7	9	9
2. Factories In Operation	19	7	6	3	10	14	7	7	9	9
3. Fixed Capital	4564	4939	5981	2498	2429	11343	21701	1902	1902	9218
4. Physical Working Capital	2751	683	5773	1045	4915	12235	17357	1183	1183	11044
5. Working Capital	4749	588	13727	-411	3701	11935	33714	2359	2359	2118
6. Invested Capital	7315	5622	11754	3543	7345	23578	39058	3086	3086	20262
7. Gross Value Of Addition To Fixed Capital	1315	1438	514	57	541	2249	4095	334	334	1923
8. Rent Paid For Fixed Assets	33	3	208	5	11	1678	374	28	28	194
9. Outstanding Loan	2836	537	0	16	1416	1971	1268	1422	1422	2298
10. Interest Paid	107	119	13	48	1385	916	80	134	134	1275
11. Rent Received For Fixed Assets	8	0	0	1	29	87	0	4	4	47
12. Interest Received	11	17	2	0	37	112	444	25	25	63
13. Gross Value Of Plant & Machinery	3957	5169	3157	2267	1333	10602	35202	1911	1911	4770
14. Value Of Product And By-Product	14332	6739	22553	8964	30414	74880	12082	7912	7912	24419
15. Total Output	14746	6782	36910	9481	31145	76461	12675	8530	8530	33763
16. Fuels Consumed	309	132	186	63	177	332	1614	249	249	242
17. Materials Consumed	8782	4612	19631	7527	18302	54810	80639	5911	5911	16276
18. Total Inputs	10441	5399	30513	8023	23534	61429	98632	7268	7268	27136
19. Gross Value Added	4305	1383	6397	1458	7611	15032	28113	1262	1262	6627
20. Depreciation	441	323	652	133	240	1575	2599	250	250	1105
21. Net Value Added	3864	10600	5744	1325	7371	13457	25514	1010	1010	5522
22. Net Fixed Capital Formation	798	1112	-145	-76	283	316	1150	75	75	36
23. Gross Fixed Capital Formation	1239	1435	507	57	523	1891	3749	325	325	1142
24. Addition in Stock of	665	62	-3591	-232	-1186	-1953	2812	-1100	-1100	3417
(a) Materials, Fuels etc.	437	55	-3251	-239	-620	-1121	1467	-896	-896	-380
(b) Semi Finished Goods	122	-15	-62	9	-1266	-47	2036	47	47	-1130
(c) Finished Goods	106	22	-278	-2	0	-785	-691	-251	-251	-1907
25. Gross Capital Formation	1904	1497	-3084	-175	-1362	-62	6561	-774	-774	-2275
26. Income	3743	955	5525	1274	6012	11058	25504	875	875	4116
27. Profit	1974	-1	1036	1014	1250	6500	21175	273	273	650

Annual Survey of Industries, 2012-13

Annexure : 1.0 Selected Characteristics by Major Industries (Industry Code Numbers)

(Value in Rs. lakh, others in numbers)

Characteristics	282	292	301	310	325	329	331	Others
1. Number Of Factories	9	12	10	9	5	4	5	49
2. Factories In Operation	8	12	10	9	5	3	5	44
3. Fixed Capital	16732	4791	13156	1367	10385	4462	8158	52875
4. Physical Working Capital	8653	3708	20611	591	6115	3002	819	15582
5. Working Capital	18607	11236	11768	-3529	3686	4823	3706	25298
6. Invested Capital	25386	8499	33768	1958	16500	7465	8978	68457
7. Gross Value Of Addition To Fixed Capital	6532	340	2038	1	1209	2147	969	1921
8. Rent Paid For Fixed Assets	234	22	66	6	253	61	437	270
9. Outstanding Loan	6367	363	24156	62	615	272	10475	8149
10. Interest Paid	1018	68	469	31	1337	54	1225	2657
11. Rent Received For Fixed Assets	4	34	8	0	0	0	14	48
12. Interest Received	25	791	113	6	28	95	395	110
13. Gross Value Of Plant & Machinery	15571	4857	11350	237	11007	4789	18801	73878
14. Value Of Product And By-Product	44461	23430	22869	295	19336	21590	-8764	103274
15. Total Output	56829	24481	27031	375	19517	22759	-1192	119985
16. Fuels Consumed	307	301	590	9	492	735	326	5456
17. Materials Consumed	33138	16033	12654	234	8964	6177	2170	82795
18. Total Inputs	45981	18219	21406	346	12507	8066	4857	101997
19. Gross Value Added	10848	6062	5625	29	7010	14693	-6049	17988
20. Depreciation	1596	500	1398	71	671	518	1325	4303
21. Net Value Added	9252	5562	4228	-43	6339	14175	-7375	13686
22. Net Fixed Capital Formation	3957	-224	446	-71	2544	1601	-358	-1706
23. Gross Fixed Capital Formation	5553	276	1844	1	3215	2119	967	2596
24. Addition in Stock of	-1196	-412	17182	-129	-377	1381	-8867	2746
(a) Materials, Fuels etc.	-416	24	-706	-36	173	144	-7	2288
(b) Semi Finished Goods	-511	-160	16476	-114	-1	1525	-8860	54
(c) Finished Goods	-269	-276	0	21	-549	-288	0	404
25. Gross Capital Formation	4357	-137	15339	-129	2839	3499	-7900	5341
26. Income	8029	6286	3806	-74	4776	14155	-8642	10914
27. Profit	3551	2229	1720	-373	1896	12372	-10207	3504

Annual Survey of Industries, 2012-13
Annexure 1.1 - Principal Characteristics by Major Economic Activities

Sl. No	Principal Characteristics	Unit	Manufacturing		Others		All	
			2011-12	2012-13	2011-12	2012-13	2011-12	2012-13
1	2	3	4	5	6	7	8	9
1	Factories	Number	546	548	40	49	586	597
2	Fixed Capital	Rs. in crore	8186	7749	420	529	8606	8278
3	Invested Capital	Rs. in crore	14461	12710	547	685	15008	13395
4	Workers	Number	43295	34761	1415	2577	44710	37338
5	Total persons engaged	Number	63798	52308	2176	3523	65974	55831
6	Wages to workers	Rs. in crore	610	538	24	26	634	564
7	Total Emoluments	Rs. in crore	1407	1431	57	65	1464	1496
8	Total Input	Rs. in crore	28326	24252	1111	1020	29437	25272
9	Gross Output	Rs. in crore	40803	35397	1299	1200	42102	36597
10	Depreciation	Rs. in crore	842	682	41	43	883	725
11	Net Value Added	Rs. in crore	11634	10463	148	137	11782	10600
12	Net Income	Rs. in crore	11155	10089	111	109	11266	10198

Annual Survey of Industries, 2012-13
Annexure 1.2 - Principal Characteristics by Major Economic Activities
(Percentage distribution)

SI No	Principal Characteristics	Unit	Manufacturing		Others		All	
			2011-12	2012-13	2011-12	2012-13	2011-12	2012-13
1	2	3	4	5	6	7	8	9
1	Factories	Number	93.17	91.79	6.83	8.21	100	100
2	Fixed Capital	Rs. in crore	95.12	93.61	4.88	6.39	100	100
3	Invested Capital	Rs. in crore	96.36	94.89	3.64	5.11	100	100
4	Workers	Number	96.84	93.10	3.16	6.90	100	100
5	Total persons engaged	Number	96.70	93.69	3.30	6.31	100	100
6	Wages to workers	Rs. in crore	96.21	95.39	3.79	4.61	100	100
7	Total Emoluments	Rs. in crore	96.11	95.66	3.89	4.34	100	100
8	Total Input	Rs. in crore	96.23	95.96	3.77	4.04	100	100
9	Gross Output	Rs. in crore	96.91	96.72	3.09	3.28	100	100
10	Depreciation	Rs. in crore	95.36	94.07	4.64	5.93	100	100
11	Net Value Added	Rs. in crore	98.74	98.70	1.26	1.30	100	100
12	Net Income	Rs. in crore	99.01	98.93	0.99	1.07	100	100

Annual Survey of Industries, 2012-13
Annexure 2.1 - Principal Characteristics by Size of Employment

(Value Figures in Rs. Lakh & Others in number)

Sl. No	Employment Range	Factories	Fixed Capital	Productive Capital	Invested Capital	Workers	Employees	Wages to Workers	Total Emoluments	Total Input	Total Output	Depreciation	Net Value Added	Rent paid	Interest paid
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	0-49	352	53946	93719	91987	3770	5676	3443	9118	195620	219045	4575	18851	851	3823
2	50-99	74	79568	130568	114752	3083	4784	3806	13372	183192	235707	5783	46752	452	2904
3	100 -199	97	222398	188520	389753	9174	12824	13379	32950	660207	1182134	21333	500594	2383	10353
4	200 -499	47	139743	104434	226292	8347	12181	15155	42867	408290	574884	14003	152592	1527	10568
5	500 -999	11	120701	173988	153983	3652	5551	4898	15412	173948	289761	10158	105655	328	1567
6	1000-1999	15	207293	309685	354732	9105	12472	14980	31906	890145	1136690	16368	230177	3383	10601
7	2000& above	1	4187	4795	7975	207	2343	729	3991	15833	21438	268	5336	45	332
Total		597	827836	1005709	1339474	37338	55831	56390	149616	2527235	3659659	72468	1059957	8969	40148

Annual Survey of Industries, 2012-13
Annexure 2.2 - Principal Characteristics by Size of Employment
(Percentage Distribution)

Sl. No	Employment Range	Factories	Fixed Capital	Productive Capital	Invested Capital	Workers	Employees	Wages to Workers	Total Emoluments	Total Input	Total Output	Depreciation	Net Value Added	Rent paid	Interest paid
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	0 - 49	58.96	6.52	9.31	6.87	10.10	10.17	6.11	6.13	7.74	5.98	6.32	1.78	9.49	9.53
2	50 - 99	12.39	9.61	12.98	8.57	8.26	8.57	6.75	8.93	7.25	6.44	7.95	4.41	5.04	7.23
3	100-199	16.25	26.86	18.74	29.10	24.57	22.97	23.72	22.02	26.12	32.30	29.43	47.23	26.57	25.79
4	200 -499	7.87	16.88	10.39	16.89	22.35	21.82	26.88	28.65	16.16	15.71	19.32	14.40	17.02	26.32
5	500 -999	1.84	14.58	17.34	11.49	9.78	9.94	8.69	10.30	6.88	7.92	14.02	9.97	3.66	3.90
6	1000 -1999	2.52	25.04	30.79	26.49	24.38	22.34	26.56	21.31	35.22	31.06	22.59	21.71	37.72	26.40
7	2000& above	0.17	0.51	0.48	0.59	0.56	4.19	1.29	2.66	0.63	0.59	0.37	0.50	0.50	0.83
Total		100	100	100	100	100	100	100	100	100	100	100	100	100	100

Annual Survey of Industries, 2012-13

Annexure 2.3 - Structural Ratios and Technical co-efficient by Employment size for Industries

Sl. No	Employment range	Fixed Capital per person engaged	Net Value Added per person engaged	Wages per Worker	Ratio			
					Fixed Capital to Net Value Added	Fixed Capital to Gross Output	Net Value Added to Gross Output	Total Emoluments to Net Value Added
1	2	3	4	5	6	7	8	9
1	0 --- 49	9.50	3.32	0.91	2.86	0.25	0.09	0.30
2	50 --- 99	16.63	9.77	1.23	1.70	0.34	0.20	0.10
3	100 -199	17.34	39.03	1.46	0.44	0.19	0.42	0.02
4	200 -499	11.47	12.53	1.81	0.91	0.24	0.26	0.08
5	500 -999	21.74	19.03	1.34	1.14	0.42	0.36	0.05
6	1000 - 1999	16.62	18.45	1.64	0.90	0.18	0.20	0.05
7	2000 & above	1.79	2.27	3.52	0.78	0.19	0.25	0.44
	Total	14.83	18.98	1.51	0.78	0.23	0.29	0.52

Annual Survey of Industries 2012-13
Annexure 3.1 - Principal Characteristics by Size of Capital

(Value Figures in Rs. Lakh & Others in number)

Sl. No	Capital Range in terms of Gross Value of P&M	Factories	Fixed Capital	Productive Capital	Invested Capital	Workers	Employees	Wages to Workers	Total Emoluments	Total Input	Total Output	Depreciation	Net Value Added	Rent paid	Interest paid
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Upto 1.0	244	25007	33463	38195	3138	4166	3026	6273	71985	87204	2459	12761	316	2574
2	1.0--2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	2 -- 5	11	178	360	421	53	69	32	54	367	331	13	-48	0	1
4	5 -- 10	11	169	157	281	176	221	133	212	1288	1635	24	322	0	15
5	10 -- 20	6	524	785	801	65	122	69	307	1550	2484	35	899	2	10
6	20 -- 50	27	7979	24867	17624	663	1163	804	2851	26814	33215	523	5878	205	343
7	50 -- 100	23	4759	8240	9926	958	1416	753	2374	28350	37321	404	8567	75	602
8	100 -- 200	22	3936	6535	6427	646	1033	770	1646	18139	22484	554	3791	43	215
9	200 -- 500	90	38368	78695	95470	4017	6446	4281	16504	204448	243098	3791	34859	874	5843
10	500 -- 1000	41	29453	65416	56291	3256	4481	3275	9198	127940	153571	3373	22258	289	1613
11	1000 - 2000	36	49871	95401	85186	4059	8141	6243	18756	179671	238990	4811	54508	2142	2599
12	2000 - 5000	45	139458	972	244103	6740	8587	9389	21623	407848	905517	13465	484204	285	8189
13	5000 - 10000	19	98308	163724	150503	3129	5352	8797	27577	228686	343242	9107	105449	896	3189
14	10000 & above	22	429556	527094	634246	10438	14634	18818	42241	1230149	1590567	33909	326509	3842	14955
Total		597	827836	1005709	1339474	37338	55831	56390	149616	2527235	3659659	72468	1059957	8969	40148

Annual Survey of Industries 2012-13
Annexure 3.2 - Principal Characteristics by Size of Capital
(Percentage Distribution)

Sl. No	Capital Range in terms of Gross Value of P&M	Factories	Fixed Capital	Productive Capital	Invested Capital	Workers	Employees	Wages to Workers	Total Emoluments	Total Input	Total Output	Depreciation	Net Value Added	Rent paid	Interest paid
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Upto 1.0	40.87	3.02	3.33	2.85	8.40	7.46	5.36	4.19	2.85	2.38	3.39	1.20	3.52	6.41
2	1.0--2.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	2.5 -- 5	1.84	0.02	0.03	0.03	0.14	0.12	0.06	0.04	0.01	0.01	0.02	0	0	0
4	5 -- 10	1.84	0.02	0.01	0.02	0.47	0.40	0.23	0.14	0.05	0.05	0.03	0.03	0	0.04
5	10 -- 20	1.00	0.06	0.08	0.06	0.17	0.22	0.12	0.20	0.06	0.07	0.05	0.08	0.01	0.02
6	20 -- 50	4.52	0.96	2.47	1.31	1.77	2.08	1.42	1.90	1.06	0.91	0.72	0.56	2.29	0.87
7	50 -- 100	3.85	0.57	0.82	0.74	2.56	2.54	1.33	1.59	1.12	1.02	0.56	0.81	0.84	1.50
8	100 -- 200	3.69	0.47	0.65	0.48	1.73	1.85	1.36	1.10	0.72	0.61	0.76	0.36	0.49	0.53
9	200 -- 500	15.08	4.67	7.82	7.13	10.76	11.54	7.59	11.03	8.09	6.64	5.23	3.29	9.75	14.56
10	500 -- 1000	6.87	3.56	6.50	4.20	8.72	8.03	5.81	6.15	5.06	4.20	4.65	2.10	3.22	4.02
11	1000 - 2000	6.03	6.02	9.48	6.36	10.87	14.58	11.07	12.54	7.11	6.53	6.64	5.14	23.88	4.6
12	2000 - 5000	7.54	16.85	0.10	18.22	18.05	15.38	16.65	14.95	16.14	24.74	18.58	45.68	3.18	20.40
13	5000 -10000	3.18	11.87	16.28	11.23	8.38	9.58	15.60	18.43	9.05	9.38	12.57	9.95	9.99	7.94
14	10000& above	3.69	51.89	52.41	47.35	27.95	26.21	33.37	28.23	48.68	43.46	46.79	30.80	42.84	37.25
Total		100	100	100	100	100	100	100	100	100	100	100	100	100	100

Annual Survey of Industries 2012-13
Annexure 3.3 - Structural Ratios and Technical Co-efficient by Size of Capital

SI No	Capital range in terms of Gross value of P & M	Fixed Capital per person engaged	Net Value Added per person engaged	Wages per Worker	Ratio			
					Fixed capital to Net Value Added	Fixed Capital to Gross Output	Net Value Added to Gross Output	Total emoluments to Net Value Added
1	2	3	4	5	6	7	8	9
1	Upto 1.0	6.00	3.06	0.96	1.96	0.29	0.15	0.49
2	Upto 2.5	0	0	0	0	0	0	0
3	2.5 -- 5	2.58	-0.69	0.60	3.71	0.54	-0.14	0
4	5 -- 10	0.76	1.16	0.75	0.52	0.10	0.20	0.65
5	10 -- 20	4.29	7.37	1.06	0.58	0.21	0.36	0.34
6	20 -- 50	6.86	5.05	1.21	1.36	0.24	0.18	0.48
7	50 -- 100	3.36	6.05	0.79	0.55	0.13	0.23	0.28
8	100 -- 200	3.81	3.67	1.19	1.04	0.17	0.17	0.43
9	200 -- 500	5.99	5.41	1.06	1.11	0.16	0.14	0.47
10	500 -- 1000	6.57	4.97	1.00	1.32	0.19	0.14	.41
11	1000 - 2000	6.12	6.69	1.54	0.91	0.21	0.23	0.34
12	2000 - 5000	16.24	56.39	1.39	0.29	0.15	0.53	0.01
13	5000 - 10000	18.37	19.70	2.81	0.93	0.29	0.31	0.26
14	10000 & above	29.35	22.31	1.80	1.31	0.27	0.20	0.13
Total		14.83	18.98	1.51	0.78	0.23	0.29	0.14

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Annexure 4.1 - Principal Characteristics by Type of Ownership

(Value Figures in Rs. Lakh & Others in number)

Sl. No	Type of Ownership	Factories	Fixed Capital	Productive Capital	Invested Capital	Workers	Employees	Wages to Workers	Total Emoluments	Total Input	Total Output	Depreciation	Net Value Added	Rent paid	Interest paid
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Wholly Central Govt.	1	813	1008	1017	36	45	86	200	6049	9822	25	3748	0	0
2	Wholly State/ local Govt.	3	1508	1527	4287	358	571	636	1208	5938	6993	100	955	1	352
3	Central & State/ local Govt.	1	344	330	348	33	49	113	261	48	268	29	190	0	0
	Public Sector (1+2+3)	5	2665	2865	5652	427	665	835	1669	12035	17083	154	4893	1	352
4	Joint Sector (Public)	48	326140	443798	460640	12867	17202	23237	52893	774190	1180092	24660	381241	1316	4248
5	Joint Sector (Private)	32	157691	250328	274228	3982	5022	9164	19052	703644	881327	11944	165738	3508	10092
	Joint Sector (4+5)	80	483831	694126	734868	16849	22224	32401	71945	1477834	2061419	36604	546979	4824	14340
7	Wholly Private	456	338873	303660	594250	19748	32482	22752	75048	1028094	1570064	35533	506441	4144	25342
8	Other (Incl NR)	56	2467	5058	4704	314	460	402	954	9272	11093	177	1644	0	114
Total		597	827836	1005709	1339474	37338	55831	56390	149616	2527235	3659659	72468	1059957	8969	40148

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**Annexure 4.2 - Principal Characteristics by Type of Ownership
(Percentage Distribution)**

Sl. No	Type of Ownership	Factories	Fixed Capital	Productive Capital	Invested Capital	Workers	Employees	Wages to Workers	Total Emoluments	Total Input	Total Output	Depreciation	Net Value Added	Rent paid	Interest paid
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Wholly Central Govt.	0.17	0.10	0.10	0.08	0.10	0.08	0.15	0.13	0.23	0.27	0.03	0.35	0.0	0.0
2	Wholly State/ local Govt.	0.50	0.18	0.15	0.32	0.96	1.02	1.13	0.81	0.24	0.19	0.14	0.09	0.01	0.88
3	Central & State/ local Govt.	0.17	0.04	0.03	0.02	0.09	0.09	0.20	0.17	0.00	0.01	0.04	0.02	0.00	0.0
	Public Sector (1+2+3)	0.84	0.32	0.28	0.43	1.15	1.19	1.48	1.11	0.47	0.47	0.21	0.46	0.01	0.88
4	Joint Sector (Public)	8.04	39.40	44.12	34.39	34.46	30.81	41.20	35.35	30.63	32.24	34.03	35.97	14.67	10.58
5	Joint Sector (Private)	5.36	19.04	24.89	20.47	10.66	8.99	16.25	12.73	27.84	24.08	16.48	15.64	39.11	24.14
	Joint Sector (4+5)	13.40	58.44	69.01	54.86	45.12	39.80	57.45	48.08	58.47	56.32	50.51	51.61	53.78	35.72
6	Wholly Private	76.38	40.94	30.19	44.36	52.89	58.18	40.35	50.16	40.68	42.91	49.03	47.78	46.21	63.12
7	Others (Incl NR)	9.38	0.30	0.50	0.35	0.84	0.82	0.72	0.64	0.38	0.30	0.25	0.15	0.0	0.28
Total		100	100	100	100	100	100	100	100	100	100	100	100	100	100

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Annexure 4.3 - Structural Ratios and Technical Co-efficient by Type of Ownership

S/No	Type of Ownership	Fixed Capital per person engaged	Net Value Added per person engaged	Wages per Worker	Ratio			
					Fixed capital to Net Value Added	Fixed Capital to Gross Output	Net Value Added to Gross Output	Total emoluments to Net Value Added
1	2	3	4	5	6	7	8	9
1	Wholly Central Govt.	18.06	83.29	2.39	0.22	0.08	0.38	0.05
2	Wholly State/ local Govt.	2.64	1.67	1.78	1.58	0.21	0.14	1.26
3	Central & State/ local Govt.	7.02	3.88	3.42	1.81	1.28	0.71	1.37
	Public Sector (1+2+3)	4.00	7.36	1.95	0.54	0.16	0.29	0.34
4	Joint Sector (Public)	18.96	22.16	1.80	0.85	0.28	0.32	.0.14
5	Joint Sector (Private)	31.40	33.00	2.30	0.95	0.18	0.19	0.11
	Joint Sector (4+5)	21.77	24.61	1.92	0.88	0.23	0.26	0.13
6	Wholly Private	10.43	15.59	0.11	0.67	0.21	0.32	0.15
7	Others (Incl N.R)	5.36	3.57	1.28	1.50	0.22	0.15	0.58
	Total	14.83	18.98	1.51	0.78	0.22	0.29	0.14

Annual Survey of Industries 2012-13
Annexure 5.1 - Principal Characteristics by Type of Organisation

(Value figures in Rs. Lakh & others in number)

Sl. No	Type of Organisation	Factories	Fixed Capital	Productive Capital	Invested Capital	Workers	Employees	Wages to Workers	Total Emoluments	Total Input	Total Output	Depreciation	Net Value Added	Rent paid	Interest paid
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Individual Proprietors	60	4457	5134	9174	1069	1411	849	1614	13401	16852	473	2978	94	393
2	Joint Family	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Partnership	82	11641	25257	18913	1522	2033	1367	3176	44436	50774	1757	4581	80	1499
4	Public Limited Company	83	486633	699091	740277	17334	22935	33078	73540	1490271	2076487	36812	549405	4824	14541
5	Private Limited Company	313	321148	271437	563950	16995	28811	20117	69496	960665	1491512	33149	497698	3970	23425
	Corporate Sector (4+5)	396	807781	970528	1304227	34329	51746	53195	143036	2450936	3567999	69961	1047103	8794	37966
6	Govt. Dept . Enterprises (excluding Khadi & village industry)	1	344	330	348	33	49	113	261	48	268	29	190	0	0
7	Public Corporation by special Act. of Parliament	1	813	1008	1017	36	45	86	200	6049	9822	25	3748	0	0
8	Cooperative Societies	3	2548	3175	5536	332	525	766	1308	12307	13852	187	1357	1	290
9	Others (Including N.R. etc.)	54	252	277	259	17	22	14	21	58	92	36	0	0	0
	Total	597	8278	1005709	1339474	37338	55831	56390	149616	2527235	3659659	72468	1059957	8969	40148

Annual Survey of Industries 2012-13
Annexure 5.2 - Principal Characteristics by Type of Organisation
(Percentage Distribution)

Sl. No	Type of Organisation	Factories	Fixed Capital	Productive Capital	Invested Capital	Workers	Employees	Wages to Workers	Total Emoluments	Total Input	Total Output	Depreciation	Net Value Added	Rent paid	Interest paid
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Individual Proprietors	10.05	0.54	0.51	0.69	2.86	2.53	1.50	1.08	0.53	0.46	0.65	0.28	1.05	0.98
2	Joint Family	0	0	0	0	0.	0	0	0	0	0	0	0	0	0
3	Partnership	13.75	1.41	2.51	1.41	4.08	3.64	2.42	2.12	1.76	1.39	2.42	0.43	0.90	3.73
4	Public Limited Company	13.90	58.78	69.51	55.27	46.42	41.08	58.66	49.15	58.97	56.74	50.80	51.83	53.78	36.22
5	Private Limited Company	52.43	38.79	26.99	42.10	45.57	51.66	35.67	46.45	38.01	40.75	45.74	46.96	44.26	58.35
	Corporate Sector (4+5)	66.33	97.57	96.50	97.37	91.94	92.68	94.34	95.60	96.98	97.49	96.54	98.79	98.04	94.57
6	Govt. Dept . Ent. (excluding Khadi & village industry)	0.17	0.04	0.01	0.03	0.09	0.09	0.21	0.18	0	0.01	0.04	0.02	0	0
7	Public Corporation by special Act. of Parliament	0.16	0.10	0.10	0.07	0.10	0.08	0.15	0.13	0.24	0.27	0.04	0.35	0	0
8	Co-operative Society	0.50	0.31	0.31	0.41	0.89	0.94	1.36	0.88	0.49	0.38	0.26	0.13	0.01	0.72
9	Others(including N.R)	9.04	0.03	0.03	0.02	0.04	0.04	0.02	0.01	0	0	0.05	0	0	0
	Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100

Annual Survey of Industries 2012-13
Annexure 5.3 - Structural Ratios and Technical Co-efficient by Type of Organisation

SI No	Type of Organisation	Fixed Capital per person engaged	Net Value Added per person engaged	Wages per Worker	Ratio			
					Fixed capital to Net Value Added	Fixed Capital to Gross Output	Net Value Added to Gross Output	Total emoluments to Net Value Added
1	2	3	4	5	6	7	8	9
1	Individual Proprietors	3.16	2.11	0.79	1.50	0.26	0.18	0.54
2	Joint Family	0	0	0	0	0	0	0
3	Partnership	5.73	2.25	0.90	2.54	0.23	0.09	0.69
4	Public Limited Company	21.22	23.95	1.91	0.88	0.23	0.26	0.13
5	Private Limited Company	11.15	17.27	1.18	0.64	0.21	0.33	0.14
	Corporate Sector (4+5)	15.61	20.23	1.55	0.77	0.23	0.29	0.14
6	Govt. Dept . Ent. (excluding Khadi & village industry)	7.02	3.88	3.42	1.81	1.28	0.71	1.37
7	Public Corporation by special Act. of Parliament	18.07	83.29	2.39	0.22	0.08	0.38	0.05
8	Co-operative Society	4.85	2.58	2.31	1.88	0.18	0.98	0.96
9	Others (including N.R.)	11.45	0	0.82	0	2.74	0	0
Total		14.83	18.98	1.51	0.78	0.23	0.29	0.14

Annual Survey of Industries 2012-13
6.1 - Principal Characteristics for each Major Industry Group
Annexure (Arranged in descending order of Net Value Added)

(Value figures in Rs. Lakh & Others in Numbers)

Ind. Code (2 digit)	Factories	Fixed Capital	Invested Capital	Productive Capital	Workers	Person Engaged	Wages to Workers	Total Emoluments	Total Input	Total Output	Depreciation	Net Value Added
1	2	3	4	5	6	7	8	9	10	11	12	13
21	57	147424	255975	142547	5848	12355	11977	42438	287820	692798	13126	391852
20	50	117468	226925	174789	4127	5450	6995	17520	839033	1098234	9806	249395
22	61	40126	58100	-75532	2544	3339	5183	8975	169649	282746	4651	108446
24	58	120493	204743	162037	4591	6326	6250	11340	308588	398785	7536	82662
10	50	105776	119350	116998	3784	4478	5375	8626	142678	214981	8453	63849
27	37	37565	72868	87171	2771	3745	3102	9089	202328	253680	4574	46777
13	8	35102	41983	44031	367	476	657	1284	67090	92069	1829	23150
32	9	14847	23965	23357	1853	2765	1864	4194	20574	42277	1189	20514
28	23	25950	45648	46675	713	1564	1212	6883	73117	90592	2701	14774
26	29	16049	29123	34006	1501	2688	2521	9901	74048	89750	1396	14307
Others	34	38071	44858	58855	1112	1676	1127	2689	57051	71033	2280	11702
18	15	23863	25528	34644	799	1128	1420	3252	32887	45425	3085	9453
11	40	18076	35103	35146	1494	1965	1709	3620	35504	45736	2341	7892
23	22	14903	21474	31608	1226	1842	1222	6079	37695	46930	2130	7105
25	29	14857	21463	20370	1221	1604	1206	3234	18641	26823	1730	6452
29	12	4792	8500	16029	1578	1718	1828	3208	18419	24481	500	5562
30	11	13547	34210	25271	461	804	565	1936	21485	27262	1435	4342
17	32	6712	8601	6089	492	666	508	1277	13309	17557	696	3552
33	7	9123	12744	15018	383	583	802	1785	8286	3070	1416	-6631
19	4	21725	46358	8760	342	447	775	2006	98687	95055	1523	-5158
31	9	1367	1958	-2162	131	212	92	280	346	375	71	-43
Total	597	827836	1339477	1005707	37338	55831	56390	149616	2527235	3659659	72468	1059954

Annual Survey of Industries 2012-13
Annexure 6.2 - Principal Characteristics for each Major Industry Group
(Arranged in descending order of Net Value Added)
(Percentage Distribution)

Ind. Code (2-digit)	Factories	Fixed Capital	Invested Capital	Productive Capital	Workers	Person Engaged	Wages to Workers	Total Emoluments	Total Input	Total Output	Depreciation	Net Value Added
1	2	3	4	5	6	7	8	9	10	11	12	13
21	9.55	17.81	19.11	14.17	15.66	22.13	21.24	28.36	11.39	18.93	18.11	36.97
20	8.38	14.19	16.94	17.38	11.05	9.76	12.40	11.71	33.20	30.01	13.53	23.53
22	10.22	4.85	4.34	-7.51	6.81	5.98	9.19	6.00	6.71	7.73	6.42	10.23
24	9.72	14.56	15.29	16.11	12.30	11.33	11.08	7.58	12.21	10.90	10.40	7.80
10	8.38	12.78	8.91	11.63	10.13	8.02	9.53	5.77	5.65	5.87	11.66	6.02
27	6.20	4.54	5.44	8.67	7.42	6.71	5.50	6.07	8.01	6.93	6.31	4.41
13	1.34	4.24	3.13	4.38	0.98	0.85	1.17	0.86	2.65	2.52	2.52	2.18
32	1.51	1.79	1.79	2.32	4.96	4.95	3.31	2.80	0.81	1.16	1.64	1.94
28	3.85	3.13	3.41	4.64	1.91	2.80	2.15	4.60	2.89	2.48	3.73	1.39
26	4.86	1.94	2.17	3.38	4.02	4.81	4.47	6.62	2.93	2.45	1.93	1.35
others	5.70	4.60	3.35	5.85	2.98	3.00	2.00	1.80	2.26	1.94	3.15	1.10
18	2.51	2.88	1.91	3.44	2.14	2.02	2.52	2.17	1.30	1.24	4.26	0.89
11	6.70	2.18	2.62	3.49	4.00	3.52	3.03	2.42	1.40	1.25	3.23	0.74
23	3.69	1.80	1.60	3.14	3.28	3.30	2.17	4.06	1.49	1.28	2.94	0.67
25	4.86	1.79	1.60	2.03	3.27	2.87	2.14	2.16	0.74	0.73	2.39	0.61
29	2.01	0.58	0.63	1.59	4.23	3.08	3.24	2.14	0.73	0.67	0.69	0.52
30	1.84	1.64	2.55	2.51	1.23	1.44	1.00	1.29	0.85	0.74	1.98	0.41
17	5.36	0.81	0.64	0.61	1.32	1.19	0.90	0.85	0.53	0.48	0.96	0.34
33	1.17	1.10	0.95	1.49	1.03	1.04	1.42	1.19	0.33	0.08	1.95	-0.63
19	0.67	2.62	3.46	0.87	0.92	0.80	1.37	1.34	3.90	2.60	2.10	-0.49
31	1.51	0.17	0.15	-0.21	0.35	0.38	0.16	0.19	0.01	0.01	0.10	0.00

Annual Survey of Industries 2012-13
Annexure 7 - Important Indicators of Industries in Goa State
Over the Years 1964-65 to 1974-75

Sr. no	Characteristics	Unit	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72	1973-74	1974-75
1	Number of factories	Number	63	68	67	81	90	106	112	122	176	94
2	Fixed capital	Rs. Crore	1.5	1.65	1.39	2.54	3.81	7.12	7.45	8.43	70.39	65.8
3	Working capital	Rs. Crore	0.85	1.1	1.23	1.54	1.83	2.41	2.89	3.46	8.92	8.97
4	Invested capital	Rs. Crore	NA	NA	NA	NA	NA	NA	NA	NA	NA	80.02
5	Outstanding loans	Rs. Crore	NA	NA	NA	NA	NA	NA	NA	NA	NA	46.02
6	No. of workers	Number	1998	2174	2348	2831	3059	3860	4870	5590	6227	5195
7	Man days workers	Lakh	NA	NA	NA	NA	NA	NA	14	16	18	19
8	No. of employees	Number	2407	2620	2858	3464	3777	4820	5856	6690	7645	6534
9	Man days employees	Lakh	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	Total persons engaged	Number	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	Wages to workers	Rs. Crore	0.28	0.34	0.4	0.47	0.56	0.78	1.05	1.25	1.81	1.91
12	Total emoluments	Rs. Crore	0.4	0.47	0.56	0.69	0.85	1.12	1.59	1.9	2.91	3.35
13	Provident & other fund	Rs. Crore	0.0033	0.006	0.0062	0.0128	0.018	0.0262	0.03	0.1	0.25	0.46
14	Workmen welfare expenses	Rs. Crore	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	Fuel consumed	Rs. Crore	0.1	0.1	0.12	0.16	0.2	0.26	0.38	0.61	0.75	4.81
16	Materials consumed	Rs. Crore	1.03	1.26	1.36	2.41	3.59	4.23	5.31	7.83	17	25.77
17	Total inputs	Rs. Crore	1.45	1.69	1.81	3.16	4.58	5.42	6.22	9.27	19.61	44.65
18	Products and by products	Rs. Crore	1.4	1.48	1.41	2.97	5.03	5.8	6.82	10.57	23.06	60.77
19	Gross output	Rs. Crore	1.88	2.22	2.45	3.91	5.59	7.17	7.89	12.68	27.52	64.1
20	Depreciation	Rs. Crore	0.11	0.13	0.12	0.18	0.24	0.47	0.66	0.88	1.95	5.43
21	Net value added	Rs. Crore	0.43	0.53	0.64	0.75	1.01	1.75	1.01	2.53	5.96	14.02

NOTE: 1) SURVEY PERIOD: (a) Calendar Year - 1964 to 1977
(b) Financial Year - 1978-79 onwards
2) SURVEY JURISDICTION: (a) Union Territory of Goa, Daman & Diu - 1964 to 1984-85
(b) Goa - 1985-86 onwards
No survey conducted during 1972.
* Employees other than Workers

Annual Survey of Industries 2012-13
Annexure 7 - Important Indicators of Industries in Goa State
Over the Years 1975-76 to 1984-85

Sr. no.	Characteristics	Unit	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85
1	Number of factories	Number	126	129	149	178	194	194	208	213	229	218
2	Fixed capital	Rs. Crore	81.42	85.99	87.55	86.47	92.01	160.97	153.71	161.94	173.23	191.68
3	Working capital	Rs. Crore	18.9	16.96	21.46	29.09	34.58	44.39	45.09	61.18	59.53	66.85
4	Invested capital	Rs. Crore	103.38	120.84	124.62	134.99	NA	NA	NA	NA	NA	NA
5	Outstanding loans	Rs. Crore	53.42	53.68	63.15	54.17	103.06	117.96	128.27	156.02	123.55	140.36
6	No. of workers	Number	7578	8361	9266	9841	13884	11342	12029	12314	10970	11120
7	Man days workers	Lakh	30	33	34	37	32	43	45	47	48	47
8	No. of employees	Number	9665	10825	12354	12892	20311	15249	16608	16028	14616	14784
9	Man days employees	Lakh	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	Total persons engaged	Number	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	Wages to workers	Rs. Crore	3.51	3.92	4.24	4.93	5.38	6.45	7.77	9.36	10.02	11.53
12	Total emoluments	Rs. Crore	6.28	7.15	7.92	9.02	10.19	11.75	13.69	17.28	18.29	20.9
13	Provident & other fund	Rs. Crore	0.69	0.94	1.04	1.27	1.38	1.1	1.54	2.07	1.83	2.34
14	Workmen welfare expenses	Rs. Crore	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	Fuel consumed	Rs. Crore	6.68	9.64	8.88	9.68	10.37	17.91	25.67	21.8	22.44	24.38
16	Materials consumed	Rs. Crore	46.5	63.13	68.57	78.82	76.73	109.86	150.62	214.9	225.86	258.87
17	Total inputs	Rs. Crore	63.47	84.12	92.48	100.68	97.24	139.37	224.4	303.85	300.7	335.89
18	Products and by products	Rs. Crore	73.97	96.08	102.47	129.84	130.18	199.58	223.33	314.64	297.8	327.47
19	Gross output	Rs. Crore	83.1	104.8	113.24	142.88	139.43	213.8	280.31	388.89	360.79	436.51
20	Depreciation	Rs. Crore	6.62	7.09	7.4	8.28	7.7	13.63	19.91	12.97	20.13	20.27
21	Net value added	Rs. Crore	13.01	13.59	13.36	33.92	34.49	60.8	36.00	72.07	39.96	80.35

NOTE: 1) SURVEY PERIOD:

(a) Calendar Year - 1964 to 1977

(b) Financial Year - 1978-79 onwards

2) SURVEY JURISDICTION:

(a) Union Territory of Goa, Daman & Diu - 1964 to 1984-85

(b) Goa - 1985-86 onwards

No survey conducted during 1972.

* Employees other than Workers

Annual Survey of Industries 2012-13
Annexure 7 - Important Indicators of Industries in Goa State
Over the Years 1985-86 to 1994-95

Sr. no	Characteristics	Unit	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
1	Number of factories	Number	216	229	227	206	222	235	257	258	251	256
2	Fixed capital	Rs. Crore	162.58	178.44	177.51	196.55	241.91	269.07	366.04	366.79	673.06	604.38
3	Working capital	Rs. Crore	85.68	94.64	110.95	78.96	110.26	79.71	131.04	141.41	338.82	242.7
4	Invested capital	Rs. Crore	NA	NA	NA	356.33	438.99	470.01	620.91	727.98	1039.09	1011.33
5	Outstanding loans	Rs. Crore	124.22	141.41	159.58	79.44	134.57	131.38	223.75	249.39	293.26	410.54
6	No. of workers	Number	11530	11071	10833	11131	12766	12447	14214	13573	14244	14691
7	Man days workers	Lakh	49	49	53	35	40	40	46	47	46	48
8	No. of employees	Number	15256	15032	15003	15200	17416	17206	19637	18854	20033	20228
9	Man days employees	Lakh	NA	NA	NA	NA	NA	NA	NA	NA	65	67
10	Total persons engaged	Number	NA	NA	NA	NA	NA	NA	NA	NA	20123	20305
11	Wages to workers	Rs. Crore	13.57	15.22	16.86	20.14	24.61	26.38	34.49	38.87	45.72	48.89
12	Total emoluments	Rs. Crore	25.66	27.08	33.62	44.97	52.91	57.81	77.2	84.23	105.08	111.44
13	Provident & other fund	Rs. Crore	3.74	4.65	6.04	11.74	12.07	13.18	18.94	19.55	7.76	8.05
14	Workmen welfare expenses	Rs. Crore	NA	NA	NA	NA	NA	NA	NA	NA	10.75	10.98
15	Fuel consumed	Rs. Crore	27.61	32.62	31.33	35.52	38.72	39.37	64.18	85.24	89.3	124.07
16	Materials consumed	Rs. Crore	321.57	32.62	356.96	522.71	635.43	626.53	974.53	1069.82	388.34	1434.68
17	Total inputs	Rs. Crore	415.57	482.02	420.58	596.93	722.02	723.69	1110.27	1245.55	595.71	1706.8
18	Products and by products	Rs. Crore	433.19	536.83	511.08	739.42	876.16	884.12	1336.23	1460.72	1347.05	2509.71
19	Gross output	Rs. Crore	516.01	624.88	543.17	775.23	924.7	907.74	1416.6	1557.7	1054.2	2166.4
20	Depreciation	Rs. Crore	17.08	23.35	25.97	21.16	27.83	30.64	40.8	46.76	53.67	57
21	Net value added	Rs. Crore	83.36	119.51	96.62	157.14	174.85	153.4	265.53	265.38	404.81	402.6

NOTE:1) SURVEY PERIOD:

(a) Calendar Year - 1964 to 1977

(b) Financial Year - 1978-79 onwards

2) SURVEY JURISDICTION:

(a) Union Territory of Goa, Daman & Diu - 1964 to 1984-85

(b) Goa - 1985-86 onwards

No survey conducted during 1972.

* Employees other than Workers

Annual Survey of Industries 2012-13
Annexure 7 - Important Indicators of Industries in Goa State
Over the Years 1995-96 to 2004-05

Sr. no	Characteristics	Unit	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01	2001-02	2002-03	2003-04	2004-05
1	Number of factories	Number	270	295	297	423	477	524	506	542	549	518
2	Fixed capital	Rs. Crore	872.9	1146.5	1604.59	1924.58	2502.96	2780.59	3030.01	3424.2	3738.84	4156.97
3	Working capital	Rs. Crore	323.18	402.32	649.89	561.90	607.83	1075.05	673.47	363.12	804.06	1310.05
4	Invested capital	Rs. Crore	1415.17	1864.5	2394.07	2761.15	3605.62	4076.01	4274.75	4948.99	5497.99	6221.99
5	Outstanding loans	Rs. Crore	414.93	569.9	764.96	974.05	1300.6	1664.21	1642.71	1776.18	1688.56	1982.91
6	No. of workers	Number	16395	17519	18873	18672	20968	21255	20740	24318	250.12	28419
7	Man days workers	Lakh	52	56	NA	NA	NA	NA	NA	NA	NA	NA
8	No. of employees	Number	22176	24160	27579	6884*	8013*	9835*	7987*	10663*	344.57	37581
9	Man days employees	Lakh	72	97	NA	NA	NA	NA	NA	110	108.08	119.11
10	Total persons engaged	Number	22258	24256	27656	25556	28981	31090	28727	35061	344.57	37581
11	Wages to workers	Rs. Crore	73.49	71.16	104.06	80.73	113.45	128.34	131.24	143.24	172.57	211.41
12	Total emoluments	Rs. Crore	143.85	173.81	202.08	211.00	279.50	251.02	254.62	296.5	340.18	509.32
13	Provident & other fund	Rs. Crore	10.89	12.55	35.96	44.88	56.25	76.91	73.32	110.33	104.07	120.03
14	Workmen welfare expenses	Rs. Crore	13.62	15.75	NA	NA	NA	NA	NA	NA	NA	NA
15	Fuel consumed	Rs. Crore	144.41	170.25	209.56	252.72	408.40	391.06	408.43	430.42	443.88	887.68
16	Materials consumed	Rs. Crore	1836.7	2231.55	2678.76	2978.79	4055.13	4813.33	4891.35	5444.33	6894.74	9348.54
17	Total inputs	Rs. Crore	2159.51	2623.9	3310.36	3805.47	5453.27	6361.67	6450.02	6808.76	8981.99	12038.2
18	Products and by products	Rs. Crore	3138.43	3778.93	4036.76	4718.94	6115.36	7196.81	7187.15	8272.41	10166.43	13913.77
19	Gross output	Rs. Crore	2755.75	3403.07	4311.46	5124.20	6962.93	8089.31	8331.37	8957.4	11619.99	15422.79
20	Depreciation	Rs. Crore	67.62	83.62	119.75	148.31	233.33	257.16	279.85	329.04	350.04	413.67
21	Net value added	Rs. Crore	528.62	695.54	881.35	1170.42	1276.32	1470.48	1601.50	1819.6	2287.96	2970.92

NOTE: 1) SURVEY PERIOD:

(a) Calendar Year - 1964 to 1977

(b) Financial Year - 1978-79 onwards

2) SURVEY JURISDICTION:

(a) Union Territory of Goa, Daman & Diu - 1964 to 1984-85

(b) Goa - 1985-86 onwards

No survey conducted during 1972.

* Employees other than Workers

Annual Survey of Industries 2012-13
Annexure 7 - Important Indicators of Industries in Goa State
Over the Years 2005-06 to 2012-13

Sr. No	Characteristics	Unit	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
1	Number of factories	Number	544	514	522	519	520	583	586	597
2	Fixed capital	Rs. Crore	3921.37	4095.97	4500.19	5264.96	6564.22	6221.09	8606.27	8278.36
3	Working capital	Rs. Crore	2113.07	2775.8	3451.33	2384.03	7918.73	5141.55	3539.03	1778.73
4	Invested capital	Rs. Crore	6153.88	6676.39	7575.97	9493.45	13211.99	11724.26	15007.79	13394.74
5	Outstanding loans	Rs. Crore	2306.37	1937.43	2123.39	1419.67	2263.95	4138.82	1656.42	2313.96
6	No. of workers	Number	29908	31976	37617	40545	38891	36076	44710	37338
7	Man days workers	Lakh	NA	NA	NA	NA	NA	NA	NA	NA
8	No. of employees	Number	38954	9551*	13156*	12550*	12754*	17024*	21261*	18492*
9	Man days employees	Lakh	123.52	130.78	160.18	164.97	169.80	170.56	207.43	167.30
10	Total persons engaged	Number	39046	41620	50847	53107	51697	53152	65974	55831
11	Wages to workers	Rs. Crore	241.03	273.73	330.52	365.31	493.09	561.51	633.71	563.90
12	Total emoluments	Rs. Crore	559.69	643.44	785.66	913.24	1082.95	1264.85	1463.70	1496.16
13	Provident & other fund	Rs. Crore	98.7	116.89	125.05	142.24	190.92	217.07	236.50	227.98
14	Workmen welfare expenses	Rs. Crore	NA	NA	NA	NA	NA	NA	NA	NA
15	Fuel consumed	Rs. Crore	787.35	899.29	982.93	1404.14	872.90	1236.93	1373.12	1377.62
16	Materials consumed	Rs. Crore	9154.27	12118.35	11415.08	15866.91	18014.86	18796.24	21394.61	18574.17
17	Total inputs	Rs. Crore	11747.27	14845.7	14552.95	22098.06	23225.19	25939.58	29436.98	25272.35
18	Products and by products	Rs. Crore	13774.52	17293.04	16925.66	23157.03	26486.76	27059.30	36112.11	31013.97
19	Gross output	Rs. Crore	15421.14	18832.91	18872.57	27525.79	29434.95	32494.09	42101.82	36596.59
20	Depreciation	Rs. Crore	378.62	374.7	414.35	526.09	569.38	726.99	882.65	724.68
21	Net value added	Rs. Crore	3295.25	3612.51	3905.27	4901.64	5640.38	582752	11782.19	10599.57

NOTE: 1) SURVEY PERIOD:

- (a) Calendar Year - 1964 to 1977
(b) Financial Year - 1978-79 onwards

2) SURVEY JURISDICTION:

- (a) Union Territory of Goa, Daman & Diu - 1964 to 1984-85
(b) Goa - 1985-86 onwards
No survey conducted during 1972.

* Employees other than Workers

ANNEXURE - 8

National Industrial Classification - NIC-2008 codes		
3-digit NIC-2008	4-digit NIC-2008	Description
	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		Manufacture of grain mill products, starches and starch products
	1061	Manufacture of grain mill products
	1062	Manufacture of starches and starch products
107		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		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

National Industrial Classification - 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, laminated board, 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
170		Manufacture of paper and paper products

National Industrial Classification - NIC-2008 codes		
3-digit NIC-2008	4-digit NIC-2008	Description
	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
222	2220	Manufacturing of Plastic 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

National Industrial Classification - NIC-2008 codes		
3-digit NIC-2008	4-digit NIC-2008	Description
	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
	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

National Industrial Classification - NIC-2008 codes		
3-digit NIC-2008	4-digit NIC-2008	Description
	2652	Manufacture of watches and clocks
266	2660	Manufacture of irradiation, electro-medical 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
	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

National Industrial Classification - NIC-2008 codes		
3-digit NIC-2008	4-digit NIC-2008	Description
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.
	3091	Manufacture of motorcycles 3091
	3092	3 Manufacture of bicycles and invalid carriages 092
	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

National Industrial Classification - NIC-2008 codes		
3-digit NIC-2008	4-digit NIC-2008	Description
323	3230	Manufacture of sports goods
324	3240	3 Manufacture of games 240
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	Electric power generation, transmission and distribution
351	3510	Electric power generation, transmission and distribution
352	3520	Electric power generation, transmission and distribution
353	3530	Steam and air conditioning supply
360	3600	Water collection, treatment and supply
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

National Industrial Classification - NIC-2008 codes		
3-digit NIC-2008	4-digit NIC-2008	Description
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
	8292	Packaging activities
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