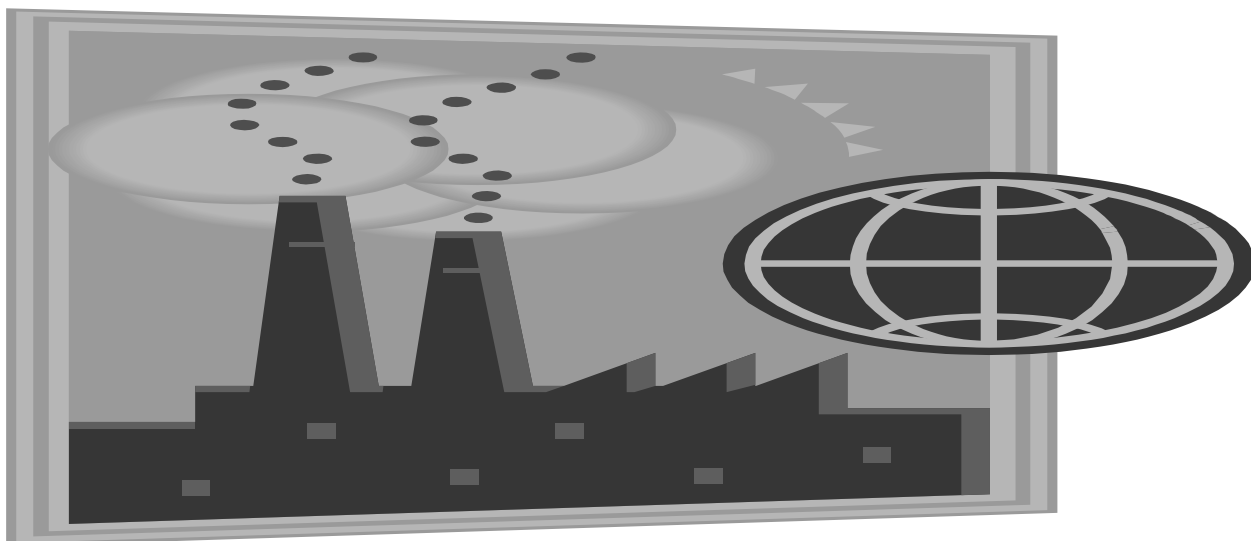




**GOVERNMENT OF GOA**

**A REPORT  
ON  
ANNUAL SURVEY OF INDUSTRIES  
2009-10**



**DIRECTORATE OF PLANNING, STATISTICS AND EVALUATION  
PANAJI - GOA**

***A REPORT***  
***ON***  
***ANNUAL SURVEY OF INDUSTRIES***  
***2009-10***

## 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 Inspector of Factories & Boilers, Government of Goa.

This **Report on Annual Survey of Industries** pertains to the year 2009-10, and is the 37th 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. by certain industry groups.

Constructive suggestions to improve the publication are always welcome.

**(Anand Sherkhane)**  
**Director**

Panaji – Goa.  
Dated: November, 2013

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# CHAPTER ONE

## INTRODUCTION

1.1 The present Report on Annual Survey of Industries (ASI) for the year 2009-10 is the thirty-seventh 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. As against 519 factories covered under Annual Survey of Industries during 2008-09, the numbers of factories covered during 2009-10 were 520.

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 ASI 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 TWO

### 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 conduct of Annual Survey of Industries. For proper assessment and interpretation of ASI data, those 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 2009-2010 the reference period is the financial year commencing from 1st April 2009 and ending on 31st March 2010 or the accounting year of the factory ending on any date between 01.04.2009 to 31.03.2010.

**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 30<sup>th</sup> June of the next year. From ASI 1998-99 the survey period has been changed from 12 months to 4 months i.e. from Nov'99 to Feb'2000. The survey period for ASI 99-00 has been again changed from October to March. The survey period for ASI 2009-2010 is from Sept. 2010 to April, 2011.

**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, and briefly mentioned in Section

**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 Worker:** All persons who are not employed directly by an employer but through the third agency, i.e. contractor, are termed as contract workers. Those workers may be employed with or without the knowledge of the principal employer.

**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 yearend bonuses etc.). It excludes layoff payments and compensation for employment except where such payments are for this purpose, i.e., payments not made by the employer. It excludes employer's contribution to old age benefits and other social security charges, direct expenditure on maternity benefits and creches and other group

benefit in kind and travelling and other expenditure incurred for business purposes and reimbursed by the employer. The wages are expressed in terms of gross value, i.e., before deductions for fines, damages, taxes, provident fund, employee's state insurance contribution etc. Benefits in kind (perquisites) of individual nature are only included.

**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 mandays paid for is arrived at by summing up the number of employees paid for in each shift. This also includes mandays on weekly schedule holidays if paid for and those absences with pay as also mandays lost through lay off/ strike for which compensation was payable.

**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, 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 – THREE

### 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) 2009-10 compared with 2008-09 are given below :

**TABLE NO. 3.1**

#### PRINCIPAL CHARACTERISTICS BY MAJOR ECONOMIC ACTIVITY

Principal Characteristics	Unit	Manufacturing		Others		All	
		2008-09	2009-10	2008-09	2009-10	2008-09	2009-10
1	2	3	4	5	6	7	8
Factories	Number	497	498	22	22	519	520
	(%)	(96)	(96)	(4)	(4)	(100)	(100)
Fixed Capital	Rs. in crore	4966	6295	299	269	5265	6564
	(%)	(94)	(96)	(6)	(4)	(100)	(100)
Invested Capital	Rs. in crore	9179	12934	314	278	9493	13212
	(%)	(97)	(98)	(3)	(2)	(100)	(100)
Workers	Number	39451	37871	1094	1020	40545	38891
	(%)	(97)	(97)	(3)	(3)	(100)	(100)
Total persons engaged	Number	51737	50397	1370	1300	53107	51697
	(%)	(97)	(97)	(3)	(3)	(100)	(100)
Wages to workers	Rs. in crore	358	485	7	8	365	493
	(%)	(98)	(98)	(2)	(2)	(100)	(100)
Total Emoluments	Rs. in crore	899	1068	14	15	913	1083
	(%)	(98)	(99)	(2)	(1)	(100)	(100)
Input	Rs. in crore	21670	22884	428	341	22098	23225
	(%)	(98)	(99)	(2)	(1)	(100)	(100)
Gross Output	Rs. in crore	27014	28994	512	441	27526	29435
	(%)	(98)	(99)	(2)	(1)	(100)	(100)
Depreciation	Rs. in crore	507	550	19	19	526	569
	(%)	(96)	(97)	(4)	(3)	(100)	(100)
Net Value Added	Rs. in crore	4837	5560	65	80	4902	5640
	(%)	(99)	(99)	(1)	(1)	(100)	(100)
Net Income	Rs. in crore	4388	5129	55	68	4443	5197
	(%)	(99)	(99)	(1)	(1)	(100)	(100)

*Figures in bracket indicate percentages.*

3.2 The number of factory units covered under the Annual Survey of Industries during 2008-09 and 2009-10 were 519 and 520 units respectively. It may be observed from Table 3.1 that 497 factory units were engaged in the manufacturing activities in the year 2008-09, whereas the number of factory units during 2009-10 increased to 498. However, the units covered under “other” industrial activities remained constant at 22 each during the year 2008-09 and 2009-10.

3.3 It may be observed that the share of Manufacturing Sector in the total fixed capital has increased from 94% in 2008-09 to 96% in 2009-10, i.e. (Rs.4966 crores) in the year 2008-09 and (Rs.6295 crores) during the year 2009-10. The percentage of fixed capital accounted for by the factories covered under the others group of industries was 6% in 2008-09 and 4% in 2009-10. The number of workers employed in the manufacturing has remained at 97% each during the years 2008-09 and 2009-10 and were paid wages (Rs.358 crores) during 2008-09 and (Rs.485 crores) during 2009-10 i.e. 98% each during 2008-09 and 2009-10 respectively. The Gross output produced under manufacturing sector was valued at Rs.27014 crores & Rs.28994 crores or 98% in 2008-09 and 99% in 2009-10. The contribution of Net Value Added by manufacturing was Rs.4837 crores and Rs.5560 crores (both 99%) during the year 2008-09 and 2009-10 respectively.

The percentage growth during 2009-10 over 2008-09 in respect of important characteristics is exhibited in table 3.2 below.

**TABLE NO. 3.2**

**PERCENTAGE GROWTH DURING 2009-10 OVER 2008-09 IN PRINCIPAL CHARACTERISTICS BY MAJOR ECONOMIC ACTIVITY**

Principal Characteristics	Manufacturing	Others	All Industries
1	2	3	4
Factories	0.2	0	0.2
Fixed Capital	26.8	-10.0	24.7
Invested Capital	40.9	-11.5	39.2
Workers	-4.0	-6.8	-4.1
Total persons engaged	-2.6	-5.1	-2.7
Wages to workers	35.5	14.3	35.1
Total Emoluments	18.8	7.1	18.6
Input	5.6	-20.3	5.1
Gross Output	7.3	-13.9	6.9
Depreciation	8.5	0	8.2
Net Value Added	14.9	23.1	15.1
Net Income	16.9	23.6	17.0

**3.4 Growth:** It is observed from table no. 3.2 that total number of factory units has increased by (0.2%) during 2009-10 over 2008-09. The growth in Net Value Added during 2009-10 over 2008-09 under All industries was 15.1%. Among other characteristics enjoying positive growth in manufacturing sector are Fixed capital (26.8%), Invested capital (40.9%), Wages to workers (35.5%), Total Emoluments (18.8%), Input (5.6%), Gross output (7.3%), Depreciation (8.5%), Net Value Added (14.9%) and Net Income (16.9%). Whereas Workers and Total persons engaged have shown negative growth of (-4.0%) and (-2.6%) respectively.

TABLE NO. 3.3

## STRUCTURAL RATIOS AND TECHNICAL COEFFICIENTS BY MAJOR ECONOMIC ACTIVITY

Item	Unit	Manufacturing		Others		All	
		2008-09	2009-10	2008-09	2009-10	2008-09	2009-10
1	2	3	4	5	6	7	8
<b>Structural Ratios</b>							
Fixed capital per factory	Rs. in lakh	999.20	1264.06	1359.09	1222.73	1014.45	1262.3
Gross output per factory	Rs. in lakh	5435.41	5822.09	2327.27	2004.55	5303.66	5660.58
Net value added per factory	Rs. in lakh	973.24	1116.47	295.45	363.34	944.51	1084.62
Workers per factory	Number	79	76	50	46	78	75
Persons engaged per factory	Number	104	101	62	59	102	99
Fixed capital per person engaged	Rs. in lakh	9.6	12.5	21.8	20.7	9.9	12.7
Gross output per person engaged	Rs. in lakh	52.2	57.5	37.4	33.9	51.8	56.9
Net value added per person engaged	Rs. in lakh	9.3	11	4.7	6.6	9.2	10.9
Total emoluments per person engaged	Rs. in lakh	1.7	2.12	1.0	1.2	1.7	2.1
Wages per worker	Rs. in lakh	0.9	1.3	0.6	0.8	0.9	1.3
<b>Technical Coefficient</b>							
Fixed capital to Net value added		1.03	1.13	4.60	3.36	1.07	1.16
Fixed capital to Gross output		0.18	0.22	0.58	0.61	0.19	0.22
Net value added to Gross output		0.18	0.19	0.13	0.18	0.18	0.19
Total emoluments to Net value added		0.19	0.19	0.22	0.19	0.19	0.19

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

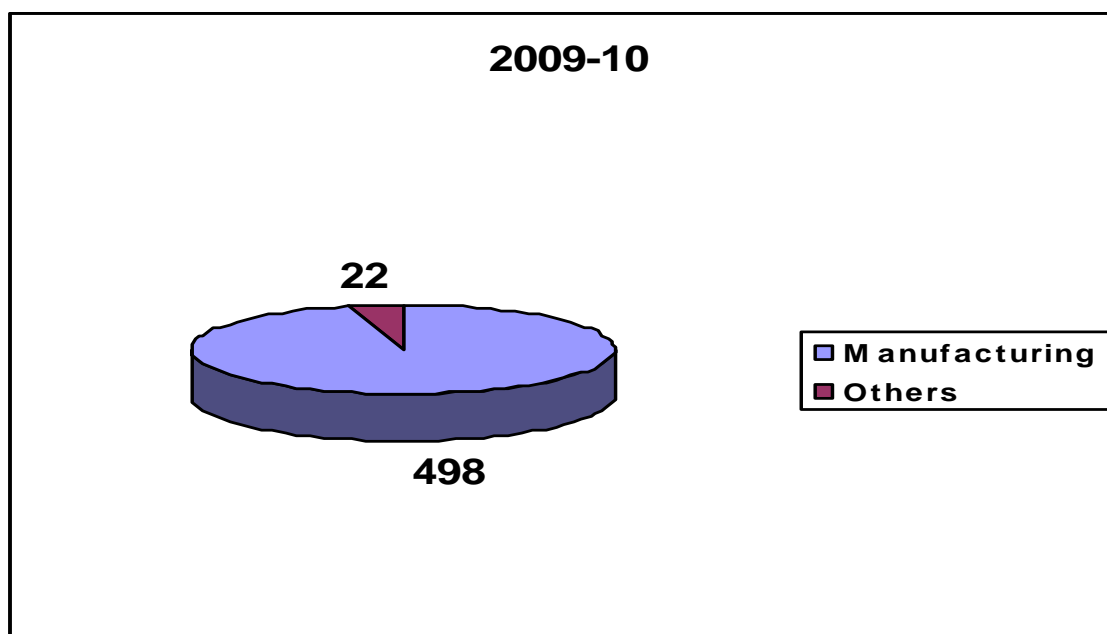
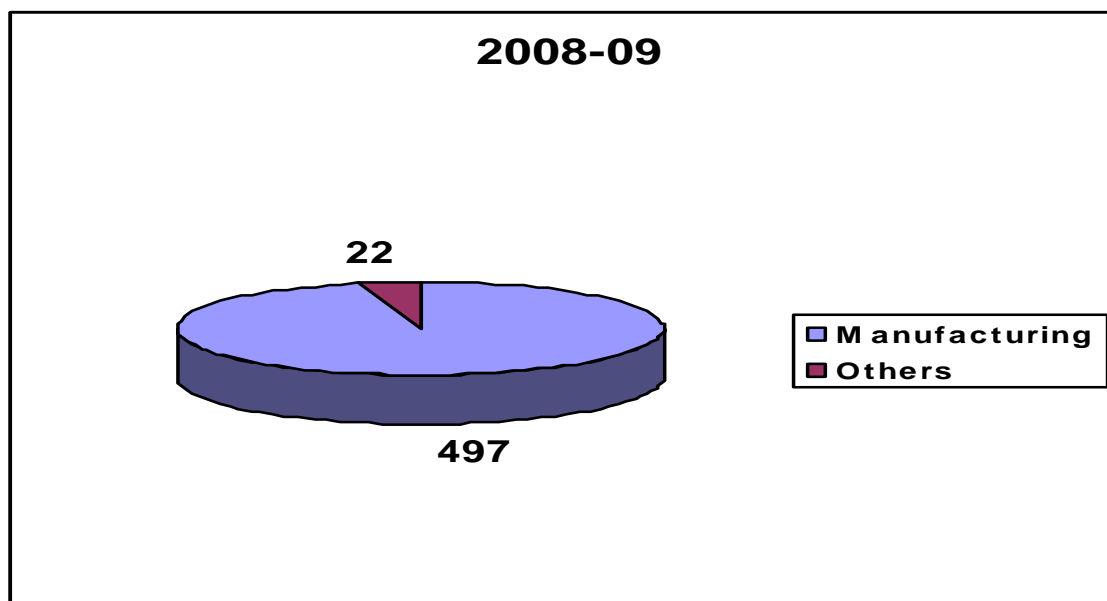
3.6 The fixed capital utilized by each factory unit in case of all the activities and that under manufacturing sector, which also forms the major sector, works out to the value of Rs.1014.45 lakh and Rs.1262.3 lakh and Rs.999.20 lakh and Rs.1264.06 lakh respectively during 2008-09 & 2009-10. The ratio of Net value added per factory has increased from Rs.973.24 lakhs in 2008-09 to Rs.1116.47 lakhs in 2009-10 under manufacturing sector and similar trend is visible under "Others" category. Net value added per person engaged shows an increasing trend both in manufacturing sector and under "Others" category of industries. It is important to note that the average wages per worker per annum has increased significantly from Rs.90,000 in 2008-09 to Rs.1.3 lakhs in 2009-10. On the other hand, number of workers employed per factory during 2009-10 over 2008-09 has decreased in both the sectors viz. manufacturing and factories covered under "others" group. Gross



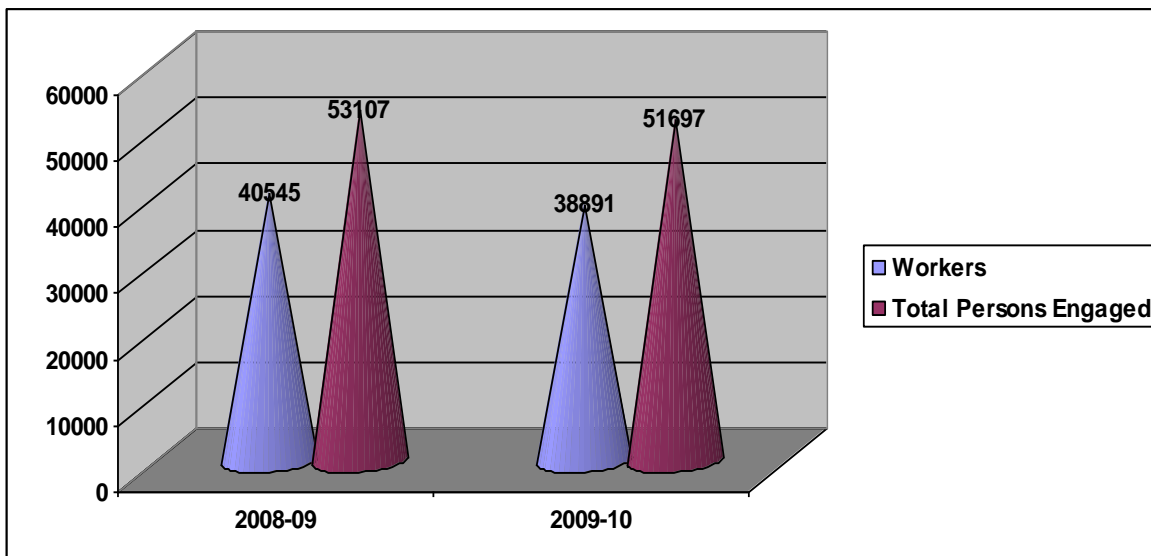
output per person engaged shows an upward trend in manufacturing sector, but it has declined in "Others" sector. As regards Technical Coefficients, the coefficient of fixed capital to net value added stood at 1.07 and 1.16 during 2008-09 and 2009-10 respectively under the sector "All activities". The coefficient of Fixed Capital to Gross Output has shown an upwards from 0.19 in 2008-09 to 0.22 in 2009-10. Also the coefficient of net value added to gross output has increased from 0.18 in 2008-09 to 0.19 for the year 2009-10. Total emoluments paid in terms of Net value added generated has remained Constant in Manufacturing sector, whereas in "Others" category it has decreased from 0.22 in 2008-09 to 0.19 in 2009-10.

## PRINCIPAL CHARACTERISTICS BY MAJOR ECONOMIC ACTIVITY

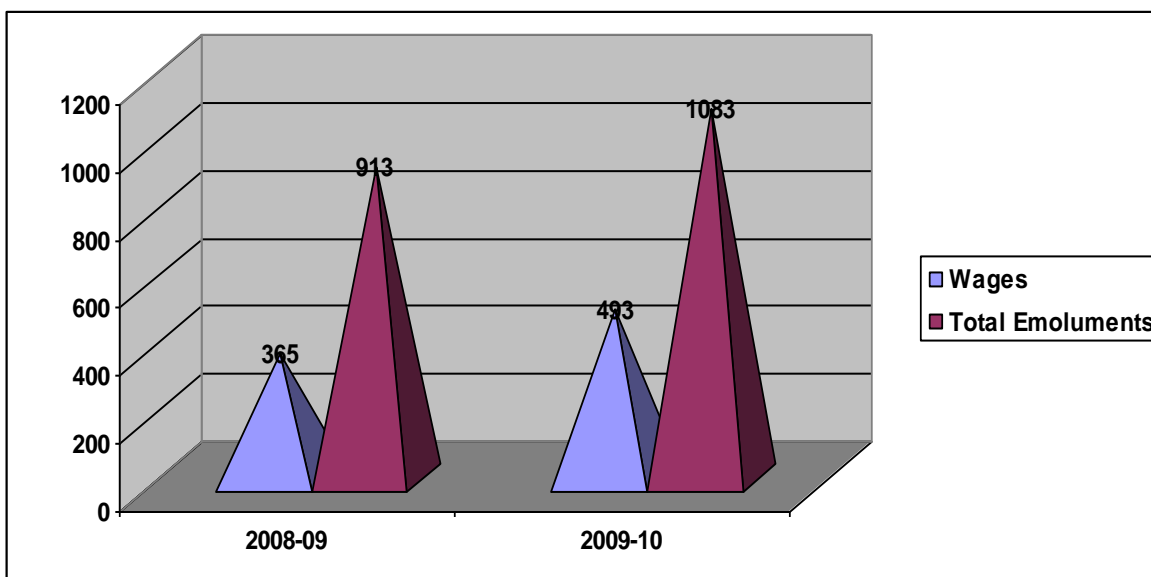
### (i) No. of Factories



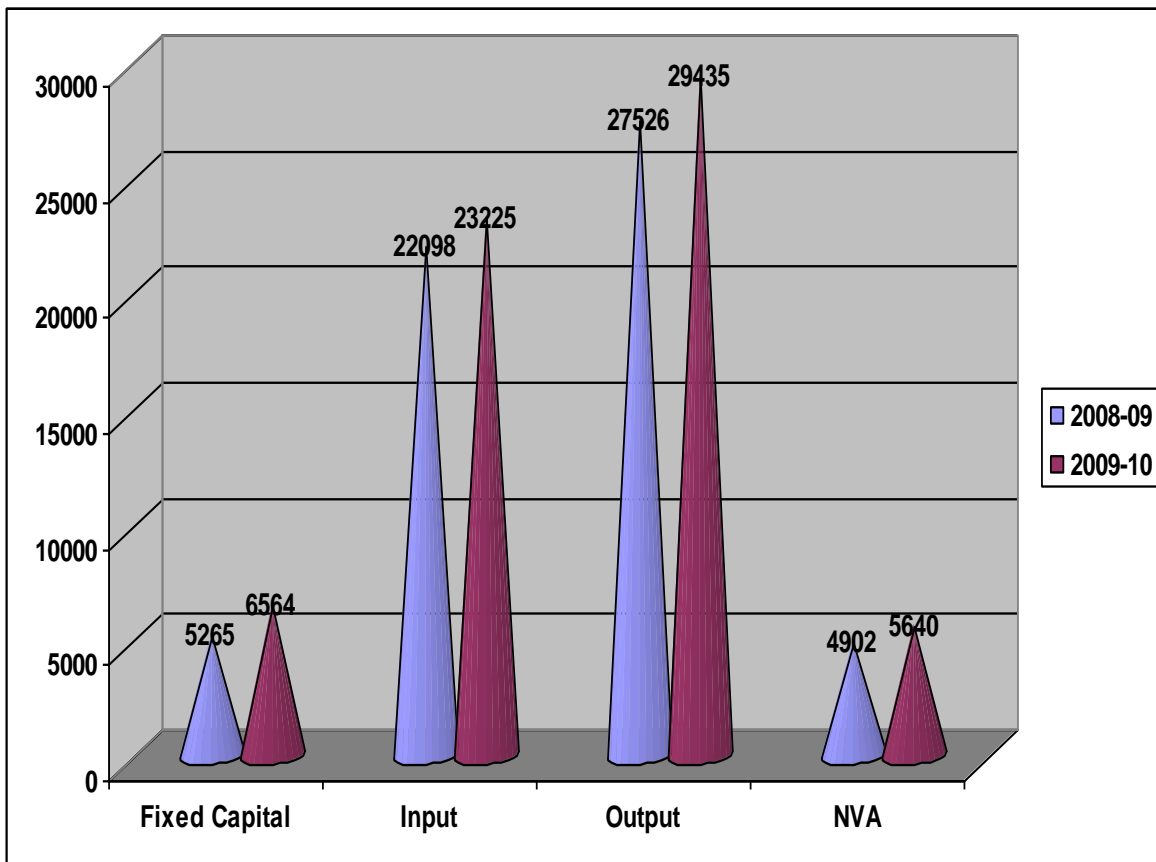
**(ii) No. of workers & Persons engaged**



**(iii) Wages and Emoluments (Rs. in crore)**



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



## CHAPTER – FOUR

### 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 2009-10 are compared with the results of 2008-09.

**TABLE NO. 4.1**

#### DISTRIBUTION OF FACTORIES BY SIZE OF EMPLOYMENT (Rs. in crores.)

Employment range	Factories (Number)		Fixed Capital		Workers (Number)		Gross Output		Net value added	
	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10
1	2	3	4	5	6	7	8	9	10	11
0-49 (%)	262 (50)	263 (51)	637 (12)	620 (10)	3911 (10)	4016 (10)	1966 (7)	1594 (5)	155 (3)	247 (4)
50-99 (%)	110 (21)	107 (21)	675 (13)	464 (7)	5989 (15)	5717 (15)	3925 (14)	2631 (9)	1046 (21)	672 (12)
100-199 (%)	72 (14)	72 (14)	671 (13)	1389 (21)	7464 (18)	6944 (18)	3767 (14)	7445 (25)	882 (18)	852 (15)
200-499 (%)	52 (10)	59 (11)	1516 (29)	2574 (39)	10526 (26)	10591 (27)	5564 (20)	8763 (30)	1028 (21)	2338 (42)
500 & above (%)	24 (5)	19 (3)	1766 (34)	1517 (23)	12655 (31)	11623 (30)	12304 (45)	9002 (31)	1791 (37)	1531 (27)
<b>Total</b> (%)	<b>519</b> (100)	<b>520</b> (100)	<b>5265</b> (100)	<b>6564</b> (100)	<b>40545</b> (100)	<b>38891</b> (100)	<b>27526</b> (100)	<b>29435</b> (100)	<b>4902</b> (100)	<b>5640</b> (100)

*Figures in bracket indicate percentages*

Out of the total number of 520 factories covered during 2009-10, factory units employing less than 50 persons were found to be covering 51% or 263 units of the total and this coverage was 50% or 262 units of the total in the year 2008-09. In the units employing persons in the range of 500 & above the utilization of fixed capital has declined from 34% in 2008-09 to 23% in 2009-10 and provided employment to the workers to the tune of 30%. In 2009-10 Gross output of 31% was recorded as the highest yield of the factory units that classified under the range 500 & above followed by 30% in the employment range of 200-499. The factories in the range of 200-499 generated highest Net value added during the year in consideration which was worth 42% of the total.

**TABLE NO. 4.2**

**PERCENTAGE GROWTH IN FACTORIES BY SIZE OF EMPLOYMENT  
DURING 2009-10 OVER 2008- 09**

Employment range	Factories	Fixed capital	Workers	Gross output	Net value added
1	2	3	4	5	6
0-49	0	-3	3	-19	59
50-99	-3	-31	-5	-33	36
100-199	0	107	-7	98	-3
200-499	13	70	1	57	127
500 & above	-21	-14	-8	-27	-15
<b>Total</b>	<b>0</b>	<b>25</b>	<b>-4</b>	<b>7</b>	<b>15</b>

**4.2** Table 4.2 reveals a negligible growth in total number of factories covered during 2009-10 compared to 2008-09. While the number of factories covered in the employment range of 200-499 increased by 13%, it decreased by 21% in the employment range of 500 & above. The maximum growth of 107% and 70% in Fixed Capital is noticed in the employment range of 100-199 and 200-499 respectively. As regards number of workers, only two employment ranges viz 0-49 & 200-499 have registered a positive growth while the remaining employment ranges have registered a negative growths. The employment range of 100-199 secured a growth of 98% in Gross Output followed by 57% in 200-499 range over the year 2008-09. NVA shows a significant increase of 127% in 200-499 range followed by 59% in the 0-49 range.

**TABLE NO. 4.3**

**STRUCTURAL RATIOS AND TECHNICAL COEFFICIENTS BY SIZE OF EMPLOYMENT**

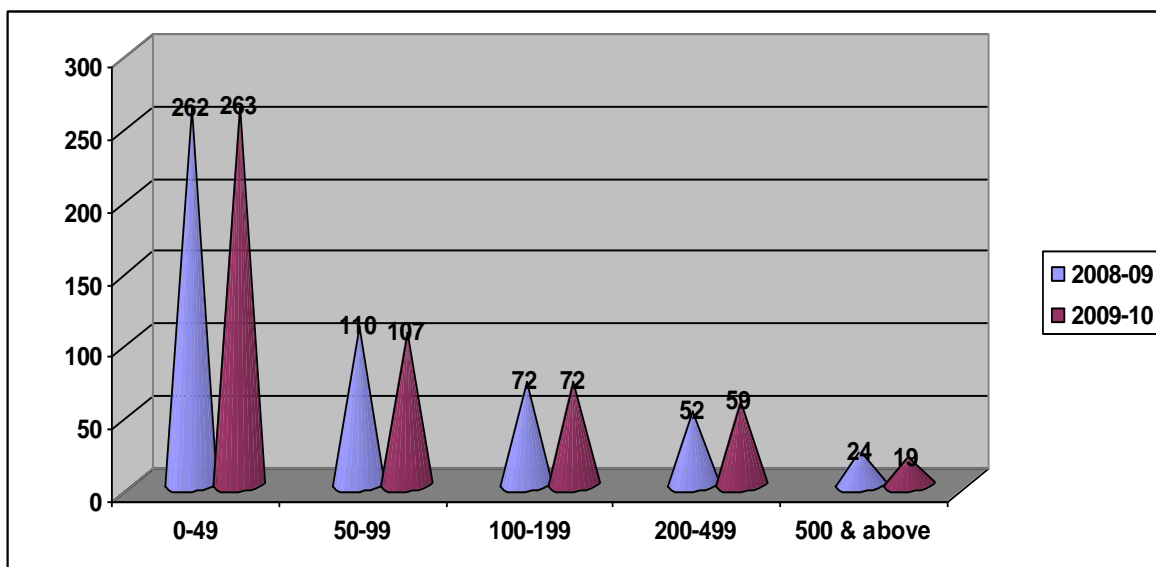
Employment range	Fixed capital per person engaged (Rs. in lakh)		Net value added per person engaged (Rs. in lakh)		Wages per worker (Rs. in lakh)		Technical Coefficient							
							FC to NVA		FC to GOP		NVA to GOP		Total Emoluments to NVA	
	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0-49	11.79	11.63	2.87	4.64	0.65	0.86	4.11	2.51	0.32	0.39	0.08	0.16	0.40	0.28
50-99	8.26	6.05	12.80	8.78	0.77	0.88	0.65	0.69	0.17	0.18	0.27	0.26	0.12	0.15
100-199	6.86	15.00	9.01	9.20	0.67	1.53	0.76	1.63	0.18	0.19	0.23	0.11	0.13	0.29
200-499	11.35	16.96	7.70	15.41	0.91	1.27	1.47	1.10	0.27	0.29	0.18	0.27	0.20	0.16
500 & above	10.77	10.63	10.92	10.72	1.17	1.44	0.99	0.99	0.14	0.17	0.15	0.17	0.15	0.19
<b>Total</b>	<b>9.91</b>	<b>12.70</b>	<b>9.23</b>	<b>10.91</b>	<b>0.90</b>	<b>1.27</b>	<b>1.07</b>	<b>1.16</b>	<b>0.19</b>	<b>0.22</b>	<b>0.18</b>	<b>0.19</b>	<b>0.16</b>	<b>0.19</b>

**Structural ratios and technical coefficient:** Important ratios and coefficient in different employment ranges are given in table 4.3. The average least value of fixed capital utilized during 2009-10 was in the range of 50-99 being Rs.6.05 lakhs, and the highest was in the range of 200-499 being Rs.16.96 lakhs. Highest value of NVA of Rs.15.41 lakhs per person engaged among all the employment ranges was generated in the employment range employing 200-499. The highest average wage remuneration was paid in the employment range of 100-199 i.e. Rs.1.53 lakh during the year 2009-10.

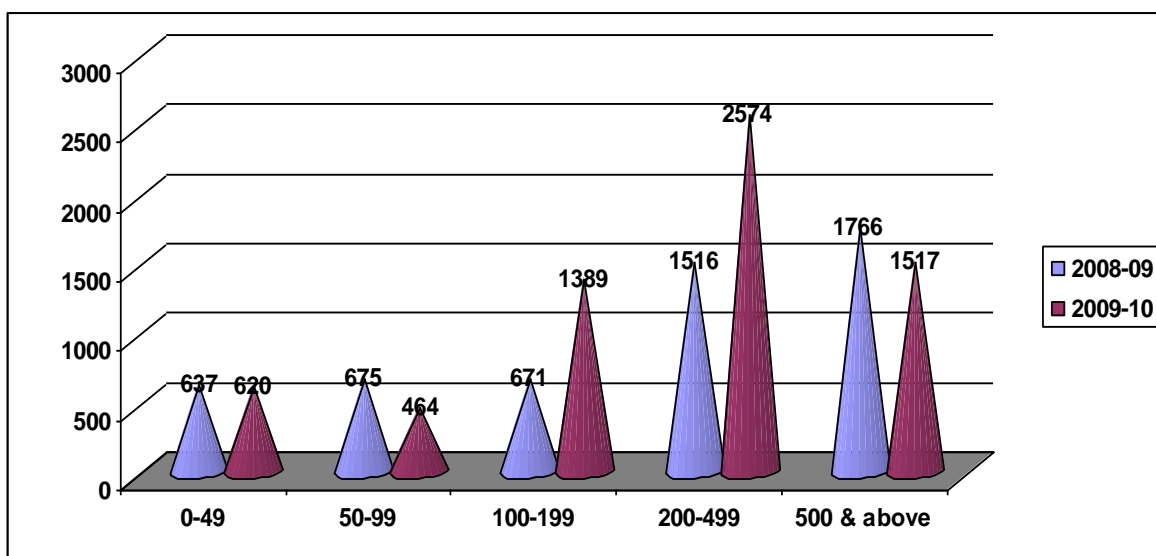
The Net value added co-efficient measured by value of Fixed Capital required to generate each rupee of net value added i.e. (FC to NVA) varies from a low value of 0.69 among factories in employment size class 50-99 to a high value of 2.51 in the employment size class of 0-49 in the year 2009-10, while FC to Gross Output ranged from 0.17 to 0.39 among the factories in the employment range class of 500 & above and 0-49 respectively during the year 2009-10. The value of NVA to Gross output was highest in 200-499 employment range. Total emoluments to NVA were ranged between 0.15 to 0.29 in the employment range of 50-99 and 100-199 respectively. In other words, 15% to 29% 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 – FIVE

### 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 undepreciated 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. in lakh)	Factories (Number)		Fixed Capital		Workers (number)		Gross Output		Net Value Added	
	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10
1	2	3	4	5	6	7	8	9	10	11
Upto 5.0 (%)	114 (21.97)	128 (24.62)	47 (0.89)	229 (3.49)	2878 (7.10)	2572 (6.61)	274 (1.00)	211 (0.72)	27 (0.55)	37 (0.66)
5.0 - 20 (%)	41 (7.90)	28 (5.38)	54 (1.03)	12 (0.18)	1939 (4.78)	840 (2.16)	264 (0.96)	62 (0.21)	35 (0.71)	19 (0.34)
20 - 50 (%)	51 (9.83)	60 (11.54)	37 (0.70)	32 (0.49)	1086 (2.68)	1877 (4.83)	151 (0.55)	243 (0.83)	30 (0.61)	36 (0.64)
50 - 200 (%)	92 (17.73)	92 (17.69)	268 (5.09)	262 (3.99)	3132 (7.72)	3863 (9.93)	1133 (4.12)	1811 (6.15)	125 (2.55)	266 (4.72)
200 - 1000 (%)	128 (24.66)	111 (21.35)	725 (13.77)	702 (10.69)	10028 (24.73)	7776 (19.99)	5801 (21.08)	3538 (12.02)	892 (18.20)	682 (12.09)
1000-5000 (%)	63 (12.14)	65 (12.5)	1286 (24.43)	1279 (19.49)	10176 (25.10)	8712 (22.40)	5354 (19.45)	9319 (31.66)	1665 (33.97)	1741 (30.87)
>5000 (%)	32 (6.17)	36 (6.92)	2848 (54.09)	4048 (61.67)	11306 (27.89)	13251 (34.07)	14548 (52.85)	14250 (48.41)	2128 (43.41)	2859 (50.69)
<b>Total (%)</b>	<b>519 (100.00)</b>	<b>520 (100.00)</b>	<b>5265 (100.00)</b>	<b>6564 (100.00)</b>	<b>40545 (100.00)</b>	<b>38891 (100.00)</b>	<b>27525 (100.00)</b>	<b>29434 (100.00)</b>	<b>4902 (100.00)</b>	<b>5640 (100.00)</b>

*Figures in bracket indicate percentages.*

The concentration of as much as 114 and 128 establishments or 21.97% and 24.62% of the total number of registered factories covered during the years 2008-09 and 2009-10 respectively, invested on an average amount of upto Rs.5 lakh in plant and machinery.

As against these, factories with gross investment in plant & machinery between Rs.200-1000 lakh covered 128 and 111 (24.66% and 21.35%) factories in number and used Rs.725 crore and Rs.702 crore (13.77% & 10.69%) of the fixed capital. Further this group engaged workforce of 10028 and 7776; it produced goods and services worth Rs.5801 crore & Rs.3538 crore and contributed Rs.892

crore & Rs.682 crore on net value added by manufacture during the years 2008-09 and 2009-10 respectively.

The lowest number of factories covered during 2008-09 was 32 or 6.17% in the capital range of Rs.5000 lakh & above, and it was 28 or 5.38% during 2009-10 in the capital range of Rs.5.0-20 lakhs. The factories in the capital range of Rs.5000 lakh and above utilized fixed capital worth Rs.2848 crore & Rs.4048 crores (54.09% and 61.67% each), which provided employment to 11306 and 13251 (27.89% & 34.07%) persons during 2008-09 & 2009-0 respectively. The contribution of the factories of above Rs.5000 lakh capital range towards gross output and net value added by manufacture were to the tune of Rs.14548 crore and Rs.14250 crore or 52.85% & 48.41% and Rs.2128 crore or 43.41% and Rs.2859 crore or 50.69% respectively during the years compared.

The lowest fixed capital of Rs.37 crore (0.70%) during 2008-09 and Rs.12 crore (0.18%) during the year 2009-10 were noticed in the capital range of Rs.20-50 lakh and Rs.5.0-20 lakh respectively. The least number of workers employed were 1086 workers in the capital range of Rs.20-50 lakh and 840 workers in the capital range of Rs.5.0-20 lakh during the year 2008-09 & 2009-10 respectively who produced goods/services of the value of Rs.151 crores and Rs.62 crore contributing to the net income in the form of net value added of the order of Rs.30 crore and Rs.19 crore of the total net value added during the years 2008-09 and 2009-10.

**TABLE NO. 5.2**

**PERCENTAGE GROWTH IN PRINCIPAL CHARACTERISTICS BY  
SIZE OF CAPITAL DURING 2009-10 OVER 2008-09**

<b>Capital range of Plant &amp; Machinery (Rs. in lakh)</b>	<b>Factories</b>	<b>Fixed Capital</b>	<b>Workers</b>	<b>Gross Output</b>	<b>Net Value Added</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
Upto 5.0	12.3	387.2	-10.6	-23.0	37.0
5.0 - 20	-31.7	-77.8	-56.7	-76.5	-45.7
20 - 50	17.6	-13.5	72.8	60.9	20.0
50 - 200	0.0	-2.2	23.3	59.8	112.8
200 - 1000	-13.3	-3.2	-22.5	-39.0	-23.5
1000-5000	3.2	-0.5	-14.4	74.1	4.6
>5000	12.5	42.1	17.2	-2.0	34.4
<b>Total</b>	<b>0.2</b>	<b>24.7</b>	<b>-4.1</b>	<b>6.9</b>	<b>15.1</b>

**Growth:** Table 5.2 exhibits the growth in factories during the year 2009-10 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.20-50 lakh have registered highest growth of 17.6% followed by 12.3% in Less than Rs.5 lakh capital range. However, there was negative growth in number of factories during 2009-10 over 2008-09 in the capital ranges of Rs.5.0-20 lakh & Rs.200-1000 lakh.

The maximum growth of 387.2% in Fixed capital was noticed in the employment range of less than Rs.5 lakh followed by 42.1% in the range of above Rs.5000 lakhs. The highest growth in the number of workers employed was in the capital range of Rs.20-50 lakh. Gross output grew by 74.1% in the capital range of Rs.1000-5000 lakhs. Maximum growth in net value added i.e.112.8% was observed in the factories investing in plant and machinery in capital range Rs.50-200 lakhs. The growth in net value added varied from -23.5% to 112.8% over the different capital ranges of investment in Plant and Machinery with average growth for all the units registering at 15.1%.

**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 Lakh)	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	
	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Upto 5.0	1.39	7.51	0.79	1.21	0.37	0.64	1.76	6.21	0.17	1.09	0.10	0.18	0.67	0.69
5.0 - 20	2.29	1.23	1.48	1.99	0.45	0.49	1.55	0.62	0.20	0.19	0.13	0.31	0.43	0.30
20 - 50	2.55	1.41	2.09	1.56	0.50	0.51	1.22	0.90	0.24	0.13	0.20	0.15	0.41	0.55
50 - 200	6.06	5.06	2.82	5.12	0.78	0.91	2.15	0.99	0.24	0.14	0.11	0.15	0.47	0.26
200 - 1000	5.30	6.09	6.53	5.92	0.72	0.98	0.81	1.03	0.12	0.20	0.15	0.19	0.18	0.29
1000-5000	9.25	10.78	11.97	14.67	0.85	1.13	0.77	0.73	0.24	0.14	0.31	0.19	0.14	0.13
>5000	20.48	24.07	15.31	17.01	1.40	1.91	1.34	1.42	0.20	0.28	0.15	0.20	0.13	0.19
<b>Total</b>	<b>9.91</b>	<b>12.70</b>	<b>9.23</b>	<b>10.91</b>	<b>0.90</b>	<b>1.27</b>	<b>1.07</b>	<b>1.16</b>	<b>0.19</b>	<b>0.22</b>	<b>0.18</b>	<b>0.19</b>	<b>0.16</b>	<b>0.19</b>

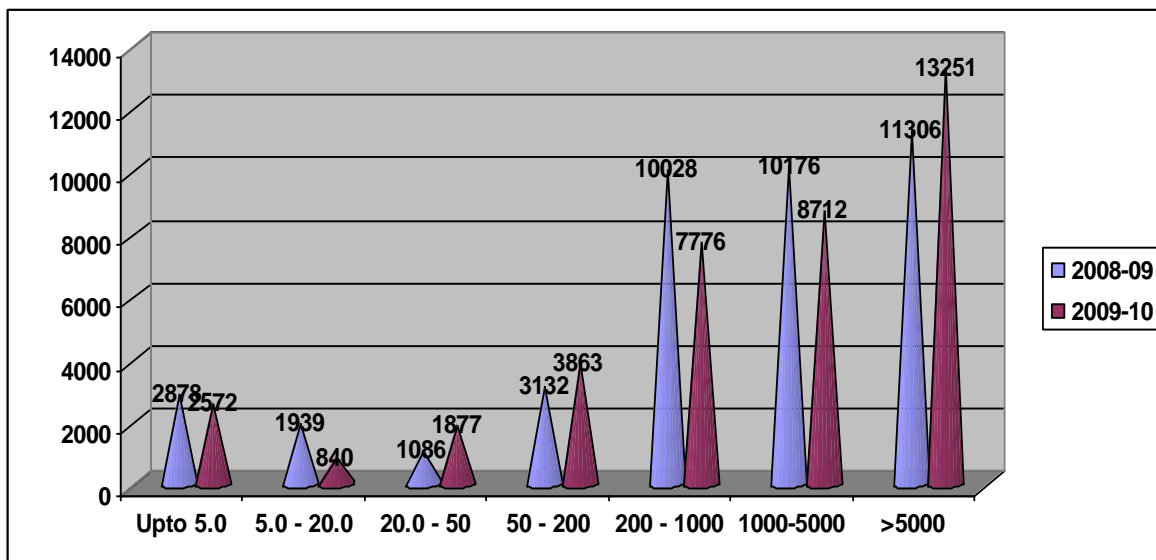
The lowest and the highest ratio for Fixed Capital per person engaged during 2008-09 was Rs.1.39 lakh and Rs.20.48 lakh in the capital range of less than Rs.5 lakh and above Rs.5000 lakh respectively, while during 2009-10 it was Rs.1.23 lakh and Rs.24.07 lakh in the capital ranges of Rs.5.0-Rs.20 lakh and above Rs.5000 lakh respectively. The Net value added contributed by each person engaged was as high as Rs.15.31 lakh and Rs.17.01 lakh in the factories of the capital range of above Rs.5000 lakh for the year 2008-09 and 2009-10 respectively and the lowest being Rs.0.79 lakh and Rs.1.21 lakh in the capital range of Upto Rs.5 lakhs.

The workers employed in the capital range investment of Rs.5000 lakh & above were paid average highest remuneration to the tune of Rs.1.4 lakh and Rs.1.91 lakh per annum during the respective years, average remuneration of all the capital ranges being Rs.90 thousand and Rs.1.27 Lakh respectively for the years under consideration.

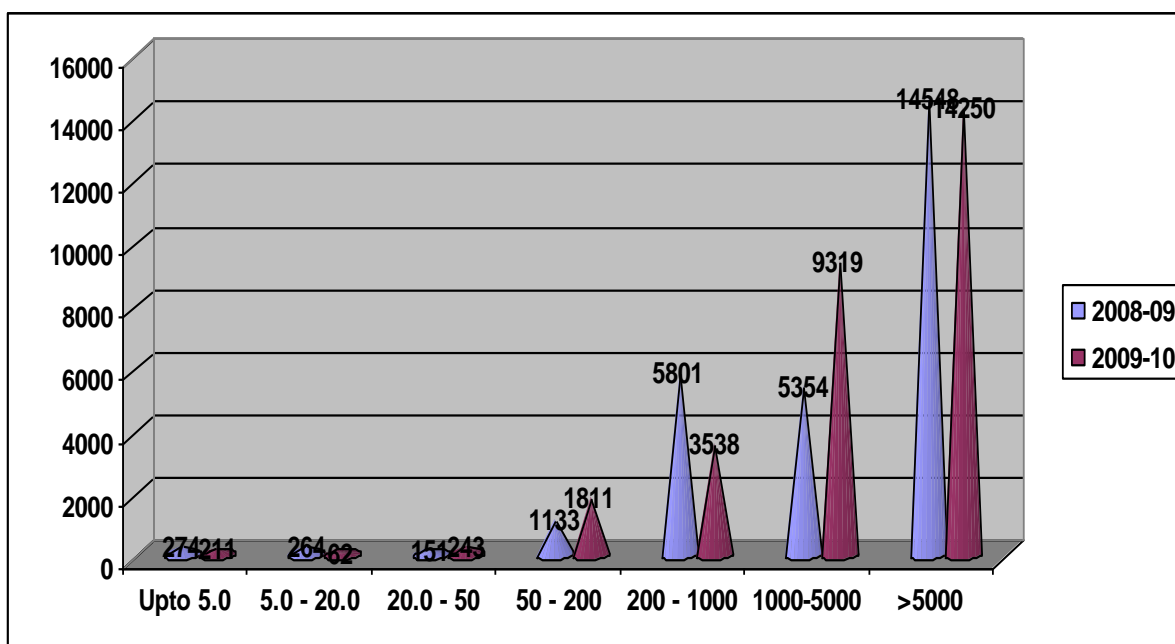
As far as co-efficient is concerned, least Fixed Capital utilized to generate Net Value Added worth a rupee noted during 2008-09 and 2009-10 was 0.77 and 0.62 in the capital range Rs.1000-5000 lakhs and Rs.5.0-20 lakh. However, the highest was in the range of Rs.50-200 lakh i.e. 2.15 during 2008-09 and in the year 2009-10 was 6.21 in the capital range of Upto Rs.5.0 lakh. Highest Fixed Capital utilized to produce Gross Output was 1.09 in the range of Upto Rs.5.0 lakh, and the least was 0.13 which falls in the range of Rs 20-50 lakh for the year 2009-10. The Highest NVA to GOP was in the range of Rs.5.0-20 lakh i.e. 0.31 and lowest was in the range of upto Rs.20-50 lakh and Rs.50-200 lakh being 0.15 for the current year.

## PRINCIPAL CHARACTERISTICS BY SIZE OF CAPITAL

### (i) No. of workers



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



## CHAPTER – SIX

### DISTRIBUTION OF FACTORIES BY TYPE OF OWNERSHIP

**Principal Characteristics** : Table No.6.1 indicate the distribution of factories canvassed during the years 2008-09 and 2009-10 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	
	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10
1	2	3	4	5	6	7	8	9	10	11
1. Wholly Central Govt *	0	0	0	0	0	0	0	0	0	0
(%)										
2. Wholly State Govt.	2	2	4	5	138	158	17	24	3	-36
(%)	(0.39)	(0.38)	(0.08)	(0.08)	(0.34)	(0.41)	(0.06)	(0.08)	(0.06)	(-0.64)
3. Central & State/local Govt	1	0	3	0	47	0	0	0	0	0
(%)	(0.19)		(0.06)		(0.12)					
<b>4. Public Sector (1+2+3)</b>	<b>3</b>	<b>2</b>	<b>7</b>	<b>5</b>	<b>185</b>	<b>158</b>	<b>17</b>	<b>24</b>	<b>3</b>	<b>-36</b>
(%)	<b>(0.58)</b>	<b>(0.38)</b>	<b>(0.13)</b>	<b>(0.08)</b>	<b>(0.46)</b>	<b>(0.41)</b>	<b>(0.06)</b>	<b>(0.08)</b>	<b>(0.06)</b>	<b>(-0.64)</b>
5. Joint Sector (Public)	8	11	260	495	3653	4086	991	1520	299	450
(%)	(1.54)	(2.12)	(4.94)	(7.54)	(9.01)	(10.51)	(3.60)	(5.16)	(6.10)	(7.98)
6. Joint Sector (Private)	11	3	118	8	952	235	634	102	310	2
(%)	(2.12)	(0.58)	(2.24)	(0.12)	(2.35)	(0.60)	(2.30)	(0.35)	(6.32)	(0.04)
<b>7. Joint Sector (5+6)</b>	<b>19</b>	<b>14</b>	<b>378</b>	<b>503</b>	<b>4605</b>	<b>4321</b>	<b>1625</b>	<b>1622</b>	<b>609</b>	<b>452</b>
(%)	<b>(3.66)</b>	<b>(2.69)</b>	<b>(7.18)</b>	<b>(7.66)</b>	<b>(11.36)</b>	<b>(11.11)</b>	<b>(5.90)</b>	<b>(5.51)</b>	<b>(12.42)</b>	<b>(8.01)</b>
8. Wholly Private	497	504	4880	6056	35755	34413	25884	27789	4290	5188
(%)	(95.76)	(96.92)	(92.69)	(92.26)	(88.19)	(88.48)	(94.03)	(94.41)	(87.52)	(91.99)
<b>Total</b>	<b>519</b>	<b>520</b>	<b>5265</b>	<b>6564</b>	<b>40545</b>	<b>38892</b>	<b>27526</b>	<b>29435</b>	<b>4902</b>	<b>5640</b>
(%)	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>

*Figures in bracket indicate percentages*

It may be observed that a very large in number viz. 497 and 504 or 95.76% and 96.92% of the total factories belonging to wholly private ownership category, controlled the whole set up dominating in all attributes over all the sectors. This sector alone provided employment to 35755 and 34413 workers during the years under discussion, which works out to 88.19% & 88.48% for both the years, utilized fixed capital worth Rs.4880 crore (92.69%) and Rs.6056 crore (92.26%) and thereby produced goods/services worth Rs.25884 crore (94.03%) and Rs.27789 crore (94.41%) which accounted for increasing the level of income of the state in the form of net value added by Rs.4290 crore (87.52%) and Rs.5188 crore (91.99%) respectively of the total for both the years i.e. 2008-09 and 2009-10.

As against these the public sector factories either owned wholly or jointly by the Central, State or Local Governments were only 3 and 2 in numbers (0.6% and 0.4%) of the total factories during the year 2008-09 and 2009-10 respectively. These factories controlled Rs.7 crore and Rs.5 crore or (0.13%) and (0.08%) of the total fixed capital and engaged 185 or (0.46%) and 158 or (0.41%) of the total workforce respectively in the registered factories sector during 2008-09 and 2009-10 respectively. Their shares in the total gross output and net value added were Rs.17 crore and Rs.24 crore or (0.06%) and (0.08%) and Rs.3 crore or (0.06%) and Rs.-36 lakh or (-0.64%) of the respective totals.

The third sector i.e. Joint sector covered 19 and 14 factories each, utilized fixed capital worth Rs.378 crore and Rs.503 crore, engaged 4605 and 4321 workers manufactured products of the value of Rs.1625 crore and Rs.1622 crore during both the years. The Net Value Added generated was of the order of Rs.609 crore and Rs.452 crore respectively during the year 2008-09 and 2009-10.

**TABLE NO. 6.2**

**PERCENTAGE GROWTH IN PRINCIPAL CHARACTERISTICS BY  
TYPE OF OWNERSHIP DURING 2009-10 OVER 2008-09**

Type of Ownership	Factories	Fixed Capital	Workers	Output	Net Value Added
1	2	3	4	5	6
1. Wholly Central Govt.	--	--	--	--	--
2. Wholly State Govt.	0.0	25.0	14.5	41.2	-100.0
3. Central & State/local Govt.	-100.0	-100.0	-100.0	0.0	0.0
4. Public Sector (1+2+3)	-33.3	-28.6	-14.6	41.2	-100.0
5. Joint Sector (Public)	37.5	90.4	11.9	53.4	50.5
6. Joint Sector (Private)	-72.7	-93.2	-75.3	-83.9	-99.4
7. Joint Sector (5+6)	-26.3	33.1	-6.2	-0.2	-25.8
8. Wholly Private	1.4	24.1	-3.8	7.4	20.9
<b>Total</b>	<b>0.2</b>	<b>24.7</b>	<b>-4.1</b>	<b>6.9</b>	<b>15.1</b>

**Growth:** As compared to 2008-09, the number of factories in the wholly private sector during 2009-10 has increased by 7 i.e. (1.4%) there by increasing the fixed capital by 24.1%. It has registered a decline of 3.8% in number of workers, produced goods and services with a growth of 7.4%, thereby generating the state income by way of net value added which was higher by 20.9% over 2008-09. Under Public sector while there was a growth of 41.2% in gross output, all other characteristics has shown negative trend over the year 2008-09. Similarly under Joint Sector only Fixed Capital has shown a positive growth, where as in all other Joint Sector categories there is declining trend.

**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	
	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1. Wholly Central Govt.	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2. Wholly State Govt.	1.91	2.12	1.43	-0.14	1.31	1.22	1.34	-15.14	0.26	0.23	0.19	-0.01	1.06	-10.28
3. Central & State/local Govt.	4.49	--	-0.53	--	1.21	--	-8.49	--	157.00	--	-18.50	--	-2.76	--
<b>4. Public Sector (1+2+3)</b>	<b>2.52</b>	<b>2.12</b>	<b>0.97</b>	<b>-0.14</b>	<b>1.29</b>	<b>1.22</b>	<b>2.61</b>	<b>-15.14</b>	<b>0.45</b>	<b>0.23</b>	<b>0.17</b>	<b>-0.01</b>	<b>1.55</b>	<b>-10.28</b>
5. Joint Sector (Public)	6.18	10.24	7.11	9.31	0.93	0.99	0.87	1.10	0.26	0.33	0.30	0.30	0.17	0.15
6. Joint Sector (Private)	9.04	2.44	23.80	0.78	0.72	1.45	0.38	3.11	0.19	0.07	0.49	0.02	0.07	2.25
<b>7. Joint Sector (5+6)</b>	<b>6.85</b>	<b>9.76</b>	<b>11.05</b>	<b>8.79</b>	<b>0.89</b>	<b>1.02</b>	<b>0.62</b>	<b>1.11</b>	<b>0.23</b>	<b>0.31</b>	<b>0.37</b>	<b>0.28</b>	<b>0.12</b>	<b>0.16</b>
8. Wholly Private	10.32	13.08	9.07	11.21	0.90	1.30	1.14	1.17	0.19	0.22	0.17	0.19	0.16	0.19
<b>Total</b>	<b>9.91</b>	<b>12.70</b>	<b>9.23</b>	<b>10.91</b>	<b>0.90</b>	<b>1.27</b>	<b>1.07</b>	<b>1.16</b>	<b>0.19</b>	<b>0.22</b>	<b>0.18</b>	<b>0.19</b>	<b>0.16</b>	<b>0.19</b>

**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 wholly private sector generated an income in the form of net value added which was worth Rs.9.07 lakh and Rs.11.21 lakh during both the years. It utilized fixed capital worth Rs.10.32 lakh and Rs.13.08 lakh respectively during 2008-09 & 2009-10, but the remuneration paid to each worker in this profit oriented sector was of the order of Rs.90 thousand and Rs.1.30 lakh respectively during both the years.

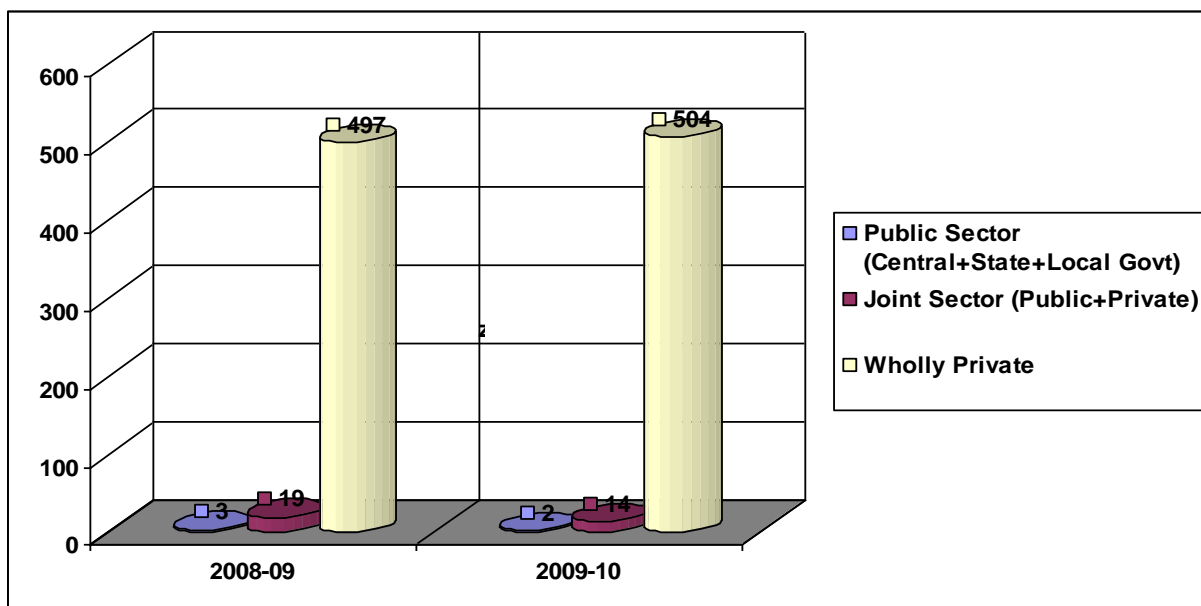
The net value added for each rupee of gross output produced in public sector has decreased from 17 paise in 2008-09 to -1paise in 2009-10. Each rupee of gross output produced came from utilization of fixed capital worth 45 paise and 23 paise respectively during 2008-09 & 2009-10 in Public Sector and it was 19 paise & 22 paise in wholly private sector during respective years. Similarly, each rupee of net value added has come from utilization of fixed capital worth of Rs.2.61 and Rs.-15.14 respectively during 2008-09 and 2009-10 in public sector, while it was Rs.1.14 and Rs.1.17 in wholly private sector during respective years.

Among all the sectors, the average emoluments paid to a person engaged in production activity in relation to NVA generated was higher in Public sector in 2008-09 and in wholly Private sector during 2009-10.

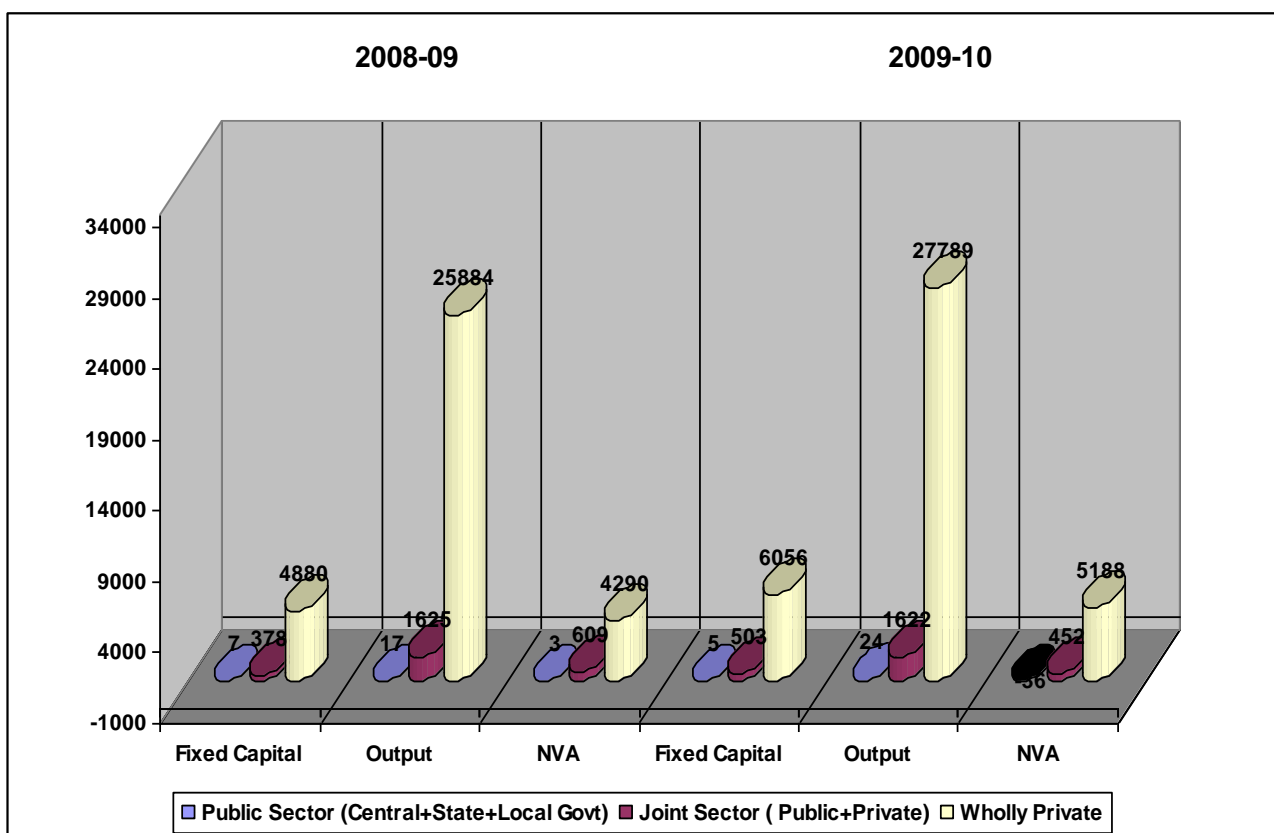


## PRINCIPAL CHARACTERISTICS BY TYPE OF OWNERSHIP

### (i) No. of Factories



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



## CHAPTER – SEVEN

### DISTRIBUTION OF FACTORIES BY TYPE OF ORGANISATION

7.1 **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) Joint family (iii) Partnership, (iv) Public limited company, (v) Private limited company, (vi) Khadi and village industry (vii) Co-operative Society and (viii) others. 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 Organisation		Factories (Number)		Fixed Capital		Workers (number)		Gross Output		Net Value Added	
		2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10
1	2	3	4	5	6	7	8	9	10	11	12
1	Individual proprietorship (%)	50 (9.63)	79 (15.19)	42 (0.80)	65 (0.99)	922 (2.27)	1334 (3.43)	97 (0.35)	240 (0.82)	16 (0.33)	72 (1.28)
2	Joint Family (%)	0	0	0	0	0	0	0	0	0	0
3	Partnership (%)	68 (13.10)	0	59 (1.12)	0	2345 (5.78)	0	410 (1.49)	0	209 (4.26)	0
4	Public Limited Company (%)	134 (25.82)	78 (15)	3430 (65.15)	54 (0.82)	22220 (54.80)	2604 (6.70)	18386 (66.80)	275 (0.93)	3095 (63.14)	61 (1.08)
5	Private Limited Company (%)	255 (49.13)	92 (17.69)	1709 (32.46)	3843 (58.55)	14434 (35.60)	16691 (42.92)	8484 (30.82)	14982 (50.90)	1578 (32.19)	2702 (47.91)
6	<b>Corporate Sector (4+5)</b> (%)	<b>389 (74.95)</b>	<b>170 (32.69)</b>	<b>5139 (97.61)</b>	<b>3897 (59.37)</b>	<b>36654 (90.40)</b>	<b>19295 (49.61)</b>	<b>26870 (97.62)</b>	<b>15257 (51.83)</b>	<b>4673 (95.33)</b>	<b>2763 (48.99)</b>
7	Khadi & Village Industry (%)	0	0	0	0	0	0	0	0	0	0
8	Co-operative Society (%)	3 (0.58)	264 (50.77)	9 (0.17)	2588 (39.43)	389 (0.96)	17726 (45.58)	107 (0.39)	13811 (46.92)	5 (0.10)	2800 (49.65)
9	Others (including Trusts, Wakf Boards, etc.)	10 (1.93)	7 (1.35)	16 (0.30)	14 (0.21)	235 (0.58)	536 (1.38)	41 (0.15)	127 (0.43)	-1 (-0.02)	5 (0.09)
<b>Total</b>		<b>519</b>	<b>520</b>	<b>5265</b>	<b>6564</b>	<b>40545</b>	<b>38891</b>	<b>27526</b>	<b>29435</b>	<b>4902</b>	<b>5640</b>
( <b>100.00</b> )		<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>	<b>(100.00)</b>

*Figures in brackets indicate percentages*

The corporate sector accounted for 389 and 170 factories or 74.95% and 32.69% of the total number of factories and held fixed capital amounting to Rs.5139 crore and Rs.3897 crore comprising 97.61% and 59.37% of the total fixed capital and employed 36654 and 19295 workers i.e. (90 % and 50 %) of the total during the years considered. The contribution of this sector to the value of output was of the order of 98% & 52% in both years respectively, while net value added was Rs.4673 crore and Rs.2763 crore (95% & 49%) of the total.

Under the corporate sector, the number of factories classified under Private limited company/ organizations were 49.13% and 17.69% of the total during the year 2008-09 & 2009-10 respectively. They utilized 32% and 59% of the fixed capital, their contribution to the value of output and NVA was 31% and 51% and 32% & 48% respectively and employed 36% & 43% of the total workers to carry out the production activity during the year 2008-09 & 2009-10.

**Table No. 7.2**

**PERCENTAGE GROWTH IN PRINCIPAL CHARACTERISTICS BY  
TYPE OF ORGANISATION DURING 2009-10 OVER 2008-09**

Type of Organisation	Factories	Fixed Capital	Workers	Output	Net Value Added
1	2	3	4	5	6
1. Individual Proprietorship	58.2	54.8	44.7	147.7	350.0
2. Joint Family	0	0	0	0	0
3. Partnership	-100.0	-100.0	-100.0	-100.0	-100.0
4. Public limited company	-41.8	-98.4	-88.3	-98.5	-98.0
5. Private limited company	-63.9	124.9	15.6	76.6	71.2
6. Corporate Sector	-56.3	-24.2	-47.4	-43.2	-40.9
7. Khadi & Village Industry	0	0	0	0	0
8. Cooperative society	<b>8700.0</b>	<b>28655.6</b>	<b>4456.8</b>	<b>12807.5</b>	<b>55900.0</b>
9. Others(including Trusts, Wakf Boards, etc.)	-30.0	-12.5	128.1	209.8	-600.0
<b>Total</b>	<b>0.2</b>	<b>24.7</b>	<b>-4.1</b>	<b>6.9</b>	<b>15.1</b>

**Growth:** It may be observed that the corporate sector which dominates the composition of factories has registered a decline of 56.3% in number of factories, 24.2% in fixed capital, 43.2% in the gross output, 40.90% in the net value added and 47.4% in the number has declined of workers during the year 2009-10 over 2008-09. Within the corporate sector, public limited company by 41.8% in number of factories, 98.4% in fixed capital, 98.5% in the gross output and 98.0% in the net value added.

**TABLE NO. 7.3****STRUCTURAL RATIOS AND TECHNICAL COEFFICIENTS BY TYPE OF ORGANISATION**

Type of Organisation	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	
	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1. Individual Proprietorship	3.83	4.23	1.45	4.68	0.42	0.52	2.65	0.90	0.43	0.27	0.16	0.30	0.39	0.14
2. Joint Family	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3. Partnership	2.04	0.00	7.24	0.00	0.43	0.00	0.28	0.00	0.14	0.00	0.51	0.00	0.09	0.00
4. Public limited company	12.06	1.76	10.88	2.01	1.12	0.43	1.11	0.88	0.19	0.20	0.17	0.22	0.15	0.30
5. Private limited company	8.60	17.55	7.94	12.34	0.66	1.74	1.08	1.42	0.20	0.26	0.19	0.18	0.18	0.24
6. Corporate Sector	10.64	15.62	9.67	11.08	0.94	1.56	1.10	1.41	0.19	0.26	0.17	0.18	0.16	0.24
7. Khadi & Village Industry	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. Cooperative society	1.77	10.56	1.02	11.43	1.24	1.00	1.72	0.92	0.09	0.19	0.05	0.20	1.30	0.14
9. Others (including Trusts, Wakf Boards, etc.)	5.78	2.08	-0.38	0.71	0.62	1.22	-15.40	2.92	0.38	0.12	-0.02	0.04	-4.14	2.01
<b>Total</b>	<b>9.91</b>	<b>12.70</b>	<b>9.23</b>	<b>10.91</b>	<b>0.90</b>	<b>1.27</b>	<b>1.07</b>	<b>1.16</b>	<b>0.19</b>	<b>0.22</b>	<b>0.18</b>	<b>0.19</b>	<b>0.16</b>	<b>0.19</b>

**Structural ratios and technical co-efficient:** A comparison of various ratios and technical coefficients of factories classified by type of organization during 2008-09 and 2009-10 are given in table No. 7.3.

During 2008-09 and 2009-10, in the corporate sector, the fixed capital worth of Rs.10.64 lakh and Rs.15.62 lakh were utilized by each person engaged. Within the corporate sector in the public limited company, the fixed capital worth of Rs.12.06 lakh and Rs.1.76 lakh were utilized by each person engaged and it was Rs.8.60 lakh and Rs.17.55 lakh in the private limited company during 2008-09 and 2009-10 respectively. Wages paid per worker of Rs.1.24 lakh during 2008-09 and Rs.1.74 lakh during 2009-10 was the highest in Cooperative society and in Private Limited Company respectively. Average emoluments paid in relation to generation of NVA of each rupee have increased from 0.16 in 2008-09 to 0.19 in 2009-10.

Annual Survey Of Industries, 2009-10										
Annexure - 1.0 - Selected Characteristics by Major Industries (Industry Code Numbers)										
					(Value in lakh, others in numbers)					
Characteristics	All	102	103	105	107	110	139	170	181	192
1. Number Of Factories	520	11	6	7	30	29	14	23	18	3
2. Factories In Operation	514	11	6	7	30	27	14	23	18	3
3. Fixed Capital	656422	4506	110	3236	27099	16286	7146	4338	7728	820
4. Physical Working Capital	664778	660	227	685	7576	12504	2753	1353	4004	3498
5. Working Capital	791873	1079	301	96	7737	15235	2782	-376	18635	5957
6. Invested Capital	1321199	5166	337	3921	34676	28790	9899	5691	11732	4318
7. Gross Value Of Addition To Fixed Capital	122807	660	2	432	11504	2223	1175	1675	2684	22
8. Rent Paid For Fixed Assets	12775	14	0	13	116	461	25	12	94	17
9. Outstanding Loan	226395	1832	136	2875	2860	1465	1247	11766	448	0
10. Interest Paid	31555	115	24	434	400	221	199	259	538	175
11. Rent Received For Fixed Assets	1295	0	0	0	6	0	11	8	0	0
12. Interest Received	6103	8	0	2	4	19	33	9	128	119
13. Gross Value Of Plant & Machinery	649167	4287	0	2291	30234	16130	12582	3499	4215	1120
14. Value Of Product And By-Product	2648676	31114	308	18372	86321	47305	44345	10770	23573	15915
15. Total Output	2943495	35347	319	18388	86906	51082	45323	10907	26561	16388
16. Fuels Consumed	87290	719	10	422	2245	2126	989	284	256	73
17. Materials Consumed	1801486	28562	201	15325	36957	25897	24101	7231	16880	14922
18. Total Inputs	2322519	30901	227	16565	42021	32233	28129	8221	19247	15228
19. Gross Value Added	620976	4446	92	1823	44885	18849	17194	2686	7314	1160
20. Depreciation	56938	551	14	327	2322	2055	904	337	602	123
21. Net Value Added	564038	3896	78	1496	42564	16794	16290	2349	6713	1038
22. Net Fixed Capital Formation	52128	107	-12	86	4510	-369	63	1321	1062	-104
23. Gross Fixed Capital Formation	109065	659	2	413	6832	1686	968	1658	1663	19
24. Addition in Stock of	18425	-965	-54	-111	2791	369	365	31	591	-2440
(a) Materials, Fuels etc.	18965	-847	-13	-164	1730	915	438	-20	590	-1403
(b) Semi Finished Goods	6723	0	0	0	97	-201	-103	6	-16	0
(c) Finished Goods	-7263	-118	-41	53	964	-345	30	45	17	-1037
25. Gross Capital Formation	127490	-306	-52	304	9623	2054	1334	1689	2254	-2421
26. Income	519708	3766	54	1048	42048	16112	16066	2078	6080	845
27. Profit	392321	2852	26	273	38216	13447	14796	1166	4571	143

**Annual Survey Of Industries, 2009-10**  
**Annexure - 1.0 - Selected Characteristics by Major Industries (Industry Code Numbers)**  
(Value in lakh, others in numbers)

Characteristics	201	202	210	221	222	231	239	241	242	243
1. Number Of Factories	12	33	54	7	34	6	15	34	8	3
2. Factories In Operation	12	32	54	7	33	6	15	34	8	3
3. Fixed Capital	19964	56746	137608	4848	15823	39355	5300	51068	26787	1362
4. Physical Working Capital	38249	72589	68087	6121	11179	21087	2638	38361	13150	811
5. Working Capital	20707	53305	74380	-1389	19693	5337	9783	10141	67452	3400
6. Invested Capital	58214	129334	205695	10969	27002	60441	7938	89429	39937	2173
7. Gross Value Of Addition To Fixed Capital	6064	25403	30360	858	2228	5048	1204	2318	510	247
8. Rent Paid For Fixed Assets	496	3056	2052	2	1809	268	172	1055	177	2
9. Outstanding Loan	63446	7825	33021	11	4450	5771	102	14104	18622	2983
10. Interest Paid	1754	2419	2647	7	1065	1183	26	3485	4733	40
11. Rent Received For Fixed Assets	143	12	219	8	10	0	1	3	34	0
12. Interest Received	3332	42	1016	3	158	16	1	86	55	0
13. Gross Value Of Plant & Machinery	35162	58543	96166	22222	22336	44447	5544	63662	35812	2212
14. Value Of Product And By-Product	240923	347446	345791	124817	60266	44211	25305	230492	473247	4722
15. Total Output	353159	350858	374795	125330	62257	47324	27349	245311	474805	4884
16. Fuels Consumed	17975	9219	10205	5306	1559	1753	690	16288	2299	442
17. Materials Consumed	202155	183206	140325	78176	42231	35692	15197	149993	405392	2726
18. Total Inputs	381456	218845	210491	85540	48223	41007	17772	188299	438970	3821
19. Gross Value Added	-28297	132013	164304	39790	14034	6317	9577	57012	35835	1063
20. Depreciation	2142	5357	12343	1517	1846	2099	702	3671	2181	203
21. Net Value Added	-30439	126655	151961	38273	12188	4218	8874	53342	33654	860
22. Net Fixed Capital Formation	2186	19488	6722	-1018	-405	10753	449	4495	-1823	16
23. Gross Fixed Capital Formation	4328	24846	19065	499	1441	12852	1151	8166	358	219
24. Addition in Stock of	-15539	17096	1170	481	945	10267	-666	3566	-1315	-52
(a) Materials, Fuels etc.	41	5473	-1024	286	270	11251	-139	6907	-4801	36
(b) Semi Finished Goods	895	2863	-887	375	55	77	-263	2	3092	-59
(c) Finished Goods	-16475	8760	3081	-180	620	-1061	-264	-3343	394	-29
25. Gross Capital Formation	-11212	41942	20234	979	2386	23119	485	11733	-958	167
26. Income	-32689	121180	147262	38264	9314	2767	8676	48802	28744	818
27. Profit	-42681	109965	120221	33770	7221	403	6167	42574	26974	257

**Annual Survey Of Industries, 2009-10**  
**Annexure - 1.0 - Selected Characteristics by Major Industries (Industry Code Numbers)**

(Value in lakh, others in numbers)

Characteristics	251	259	261	262	263	265	266	271	272	273	275
1. Number Of Factories	12	10	6	6	3	3	3	13	5	10	7
2. Factories In Operation	12	10	6	6	3	3	3	13	5	10	7
3. Fixed Capital	10249	1802	1686	16008	6538	410	1707	6295	691	16628	1071
4. Physical Working Capital	4687	1149	617	7348	180	130	2113	12473	281	15632	2721
5. Working Capital	850	2481	717	3813	-87	158	1154	7572	404	28198	-578
6. Invested Capital	14937	2951	2303	23357	6718	540	3820	18768	972	32260	3792
7. Gross Value Of Addition To Fixed Capital	1342	53	523	923	1	99	480	2330	413	3226	219
8. Rent Paid For Fixed Assets	26	17	29	270	26	10	9	626	1	655	1
9. Outstanding Loan	10665	15	281	0	18	148	296	1611	22	13385	86
10. Interest Paid	1432	3	127	501	5	34	164	1344	16	1525	19
11. Rent Received For Fixed Assets	5	0	0	105	2	0	0	6	0	32	6
12. Interest Received	12	43	5	111	14	1	20	247	10	0	46
13. Gross Value Of Plant & Machinery	9330	2114	2099	6402	4923	340	2127	4268	878	17228	1518
14. Value Of Product And By-Product	12978	5948	5345	60197	33736	2056	10955	65754	2816	57165	35910
15. Total Output	19636	7182	6667	81512	36727	2062	11852	69254	2835	90037	36243
16. Fuels Consumed	245	140	128	503	379	34	140	2671	94	1407	228
17. Materials Consumed	9277	4096	3849	63571	31325	1127	8684	52292	1631	47978	23349
18. Total Inputs	15338	5135	4757	80943	32422	1433	10421	60484	2289	82786	24581
19. Gross Value Added	4298	2047	1910	569	4305	629	1431	8770	546	7251	11662
20. Depreciation	1487	200	180	2564	574	41	213	624	70	2399	135
21. Net Value Added	2811	1846	1730	-1995	3731	588	1218	8147	476	4852	11526
22. Net Fixed Capital Formation	-164	-161	337	-1847	-575	35	-408	1575	320	-1577	-70
23. Gross Fixed Capital Formation	1323	39	517	718	0	77	-195	2199	390	822	65
24. Addition in Stock of	-205	-13	-160	-6857	2	14	-631	2161	13	-4377	1195
(a) Materials, Fuels etc.	-711	-14	-80	-7576	2	13	-538	1608	-31	-2719	38
(b) Semi Finished Goods	413	20	-69	-78	0	1	-8	402	60	-607	663
(c) Finished Goods	93	-19	-11	797	0	0	-85	151	-16	-1051	494
25. Gross Capital Formation	1117	25	356	-6139	1	90	-826	4361	404	-3555	1260
26. Income	1354	1826	1575	-2767	3700	543	1045	6176	459	2672	11506
27. Profit	-606	1051	920	-6029	2888	182	40	1785	284	149	10297

**Annual Survey Of Industries, 2009-10**  
**Annexure - 1.0 - Selected Characteristics by Major Industries (Industry Code Numbers)**  
(Value in lakh, others in numbers)

<b>Characteristics</b>	<b>279</b>	<b>281</b>	<b>282</b>	<b>292</b>	<b>293</b>	<b>301</b>	<b>310</b>	<b>322</b>	<b>329</b>	<b>331</b>	<b>581</b>	<b>Other</b>
1. Number Of Factories	4	16	7	7	5	10	11	4	4	6	3	22
2. Factories In Operation	4	16	6	7	5	10	11	4	4	6	3	22
3. Fixed Capital	461	4680	4692	4521	512	105119	956	10617	2655	1258	862	26872
4. Physical Working Capital	43	5820	4765	3848	247	286907	549	5593	1388	1756	104	894
5. Working Capital	68	4000	6239	4401	162	421301	500	3387	988	1888	352	-10349
6. Invested Capital	505	10501	9458	8369	759	392026	1505	16209	4043	3015	966	27767
7. Gross Value Of Addition To Fixed Capital	80	1610	1050	593	43	10154	148	1852	330	466	164	2089
8. Rent Paid For Fixed Assets	1	234	185	13	1	388	23	261	114	4	3	34
9. Outstanding Loan	49	805	465	1410	65	4158	211	10743	481	122	2023	6373
10. Interest Paid	13	347	249	62	18	3085	18	1437	30	101	90	1211
11. Rent Received For Fixed Assets	0	112	0	15	0	235	0	128	0	155	10	29
12. Interest Received	2	46	2	244	0	246	13	6	5	0	0	0
13. Gross Value Of Plant & Machinery	313	3996	14010	5257	666	60797	223	10940	3293	1051	0	36930
14. Value Of Product And By-Product	414	27086	24217	20644	1205	35432	1676	23036	5444	3747	13	37659
15. Total Output	472	27471	35692	21217	1424	54474	1846	23825	5940	4550	1230	44055
16. Fuels Consumed	17	198	125	378	64	2294	17	486	276	128	30	4447
17. Materials Consumed	466	19459	20723	15917	844	30551	1016	10035	2157	2407	682	24882
18. Total Inputs	568	22598	27070	17945	1150	49064	1262	13859	3194	3075	860	34088
19. Gross Value Added	-96	4873	8622	3272	274	5410	584	9966	2746	1475	370	9967
20. Depreciation	65	590	505	367	61	4353	62	733	287	115	77	1941
21. Net Value Added	-161	4283	8116	2905	213	1057	522	9233	2458	1360	293	8026
22. Net Fixed Capital Formation	11	425	538	-129	-21	5617	79	1044	38	323	70	-864
23. Gross Fixed Capital Formation	76	1015	1043	239	40	9970	142	1777	326	438	148	1078
24. Addition in Stock of	-10	41	1057	1774	-47	8569	63	-72	-67	-31	10	-533
(a) Materials, Fuels etc.	4	-827	1057	2128	-54	8531	-2	-845	-70	48	10	-532
(b) Semi Finished Goods	-23	831	-508	-322	9	-139	35	-57	10	159	0	0
(c) Finished Goods	9	37	508	-32	-2	177	30	830	-7	-238	0	-1
25. Gross Capital Formation	66	1056	2101	2012	-7	18539	205	1704	258	406	158	546
26. Income	-175	3701	7683	2830	195	-2416	481	7534	2314	1255	200	6780
27. Profit	-251	2213	5868	-624	-88	-18005	231	4785	1666	344	71	4788



**Annual Survey of Industries, 2009-10**  
**Annexure 1.1 - Principal Characteristics by Major Economic Activities**

Sl. No	Principal Characteristics	Unit	Manufacturing		Others		All	
			2008-09	2009-10	2008-09	2009-10	2008-09	2009-10
1	2	3	4	5	6	7	8	9
1	Factories	Number	497	498	22	22	519	520
2	Fixed Capital	Rs. in crore	4966	6295	299	269	5265	6564
3	Invested Capital	Rs. in crore	9179	12934	314	278	9493	13212
4	Workers	Number	39451	37871	1094	1020	40545	38891
5	Total persons engaged	Number	51737	50397	1370	1300	53107	51697
6	Wages to workers	Rs. in crore	358	485	7	8	365	493
7	Total Emoluments	Rs. in crore	899	1068	14	15	913	1083
8	Total Input	Rs. in crore	21670	22884	428	341	22098	23225
9	Gross Output	Rs. in crore	27014	28994	512	441	27526	29435
10	Depreciation	Rs. in crore	507	550	19	19	526	569
11	Net Value Added	Rs. in crore	4837	5560	65	80	4902	5640
12	Net Income	Rs. in crore	4388	5129	55	68	4443	5197

**Annual Survey of Industries, 2009-10**  
**Annexure 1.2 - Principal Characteristics by Major Economic Activities**  
**(Percentage distribution)**

Sl No	Principal Characteristics	Unit	Manufacturing		Others		All	
			2008-09	2009-10	2008-09	2009-10	2008-09	2009-10
	1	2	3	4	5	6	7	8
1	Factories	Number	95.76	95.77	4.24	4.23	100.00	100.00
2	Fixed Capital	Rs. in crore	94.32	95.90	5.68	4.10	100.00	100.00
3	Invested Capital	Rs. in crore	96.69	97.90	3.31	2.10	100.00	100.00
4	Workers	Number	97.30	97.38	2.70	2.62	100.00	100.00
5	Total persons engaged	Number	97.42	97.49	2.58	2.51	100.00	100.00
6	Wages to workers	Rs. in crore	98.08	98.38	1.92	1.62	100.00	100.00
7	Total Emoluments	Rs. in crore	98.47	98.61	1.53	1.39	100.00	100.00
8	Total Input	Rs. in crore	98.06	98.53	1.94	1.47	100.00	100.00
9	Gross Output	Rs. in crore	98.14	98.50	1.86	1.50	100.00	100.00
10	Depreciation	Rs. in crore	96.39	96.66	3.61	3.34	100.00	100.00
11	Net Value Added	Rs. in crore	98.67	98.58	1.33	1.42	100.00	100.00
12	Net Income	Rs. in crore	98.76	98.69	1.24	1.31	100.00	100.00

## Annual Survey of Industries, 2009-10

### 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	263	62012	78680	82089	4016	5330	3472	7003	130394	159352	4242	24716	1902	2394
2	50 --- 99	107	46356	73102	82804	5717	7657	5029	10070	191443	263055	4392	67221	1094	5262
3	100 -- 199	72	138893	673448	458195	6944	9262	10610	24341	648306	744515	11015	85194	1022	5141
4	200 -- 499	59	257388	370326	431543	10591	15173	13419	37521	620879	876254	21531	233844	6506	13568
5	500 -- 999	9	70100	103219	123521	4646	5721	7632	14672	479972	522848	5911	36965	1279	2326
6	1000 - 1999	7	77481	141138	135343	4905	6172	7477	12006	234696	357674	9514	113464	963	2838
7	2000 & above	3	4190	8383	7704	2073	2382	1671	2682	16830	19796	332	2634	9	<b>26</b>
<b>Total</b>		<b>520</b>	<b>646422</b>	<b>1448295</b>	<b>1321199</b>	<b>38891</b>	<b>51697</b>	<b>49309</b>	<b>108295</b>	<b>2322519</b>	<b>2943495</b>	<b>56938</b>	<b>564038</b>	<b>12775</b>	<b>31555</b>

**Annual Survey of Industries, 2009-10**

**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	50.58	9.59	5.43	6.21	10.33	10.31	7.04	6.47	5.61	5.41	7.45	4.38	14.89	7.59
2	50 --- 99	20.58	7.17	5.05	6.27	14.70	14.81	10.20	9.30	8.24	8.94	7.71	11.92	8.56	16.68
3	100 -- 199	13.85	21.49	46.50	34.68	17.86	17.92	21.52	22.48	27.91	25.29	19.35	15.10	8.00	16.29
4	200 -- 499	11.35	39.82	25.57	32.66	27.23	29.35	27.21	34.65	26.73	29.77	37.81	41.46	50.93	43.00
5	500 -- 999	1.73	10.84	7.13	9.35	11.95	11.07	15.48	13.55	20.67	17.76	10.38	6.55	10.01	7.37
6	1000 - 1999	1.35	11.99	9.75	10.24	12.61	11.94	15.16	11.09	10.11	12.15	16.71	20.12	7.54	8.99
7	2000 & above	0.58	0.65	0.58	0.58	5.33	4.61	3.39	2.48	0.72	0.67	0.58	0.47	0.07	0.08
<b>Total</b>		<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

**Annual Survey of Industries, 2009-10**

**Annexure 2.3 - Structural Ratios and Technical co-efficients 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	11.63	4.64	0.86	2.51	0.39	0.16	0.28
2	50 --- 99	6.05	8.78	0.88	0.69	0.18	0.26	0.15
3	100 -- 199	15.00	9.20	1.53	1.63	0.19	0.11	0.29
4	200 -- 499	16.96	15.41	1.27	1.10	0.29	0.27	0.16
5	500 -- 999	12.25	6.46	1.64	1.90	0.13	0.07	0.40
6	1000 - 1999	12.55	18.38	1.52	0.68	0.22	0.32	0.11
7	2000& above	1.76	1.11	0.81	1.59	0.21	0.13	1.02
	<b>Total</b>	<b>12.50</b>	<b>10.91</b>	<b>1.27</b>	<b>1.15</b>	<b>0.22</b>	<b>0.19</b>	<b>0.19</b>

**Annual Survey of Industries 2009-10**

**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 P&M of	Factori es	Fixed Capital	Produc-tive Capital	Invested Capital	Worker s	Empl o - yees	Wages to Workers	Total Emolu- ments	Total Input	Total Output	Depre- ciation	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	107	22412	25040	25478	2242	2625	1479	2250	14096	17278	801	2382	1386	637
2	1.0--2	4	90	265	187	84	92	26	34	524	664	24	115	0	4
3	2 -- 5	17	386	1103	1135	246	329	144	275	1844	3116	82	1190	13	53
4	5 -- 10	15	494	1129	899	486	556	175	241	2091	3482	54	1337	43	78
5	10 -- 20	13	690	1299	917	354	408	234	334	2113	2767	74	581	0	30
6	20 -- 50	60	3233	9464	8004	1877	2299	952	1976	20293	24346	472	3582	273	291
7	50 -- 100	45	9529	13797	13433	1356	1810	976	1902	11779	17143	615	4749	48	639
8	100 -- 200	47	16687	28493	31156	2507	3372	2544	4916	140594	163964	1568	21801	440	2214
9	200 -- 500	75	31371	56752	63713	4689	6743	4457	11056	177876	206036	5388	22773	1019	3667
10	500 -- 1000	36	38840	72590	65753	3087	4781	3168	8931	99261	147788	3074	45453	2020	3164
11	1000 - 2000	34	48852	68842	88879	3817	5054	4954	11796	178179	224467	3828	42460	346	3593
12	2000 - 5000	31	79071	200823	115288	4895	6816	4910	11139	566980	707413	8796	131638	1254	1312
13	5000 - 10000	17	82718	96661	138289	5301	6554	5416	10007	187527	257274	7885	61862	2342	4897
14	10000 & above	19	322050	872036	768068	7950	10260	19875	43440	919363	1167757	24278	224116	3589	10977
<b>Total</b>		<b>520</b>	<b>656422</b>	<b>1448295</b>	<b>1321199</b>	<b>38891</b>	<b>51697</b>	<b>49309</b>	<b>108295</b>	<b>2322519</b>	<b>2943495</b>	<b>56938</b>	<b>564038</b>	<b>12775</b>	<b>31555</b>

**Annual Survey of Industries 2009-10**  
**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	20.58	3.41	1.73	1.93	5.76	5.08	3.00	2.08	0.61	0.59	1.41	0.42	10.85	2.02
2	1.0--2.5	0.77	0.01	0.02	0.01	0.22	0.18	0.05	0.03	0.02	0.02	0.04	0.02	0.00	0.01
3	2.5 -- 5	3.27	0.06	0.08	0.09	0.63	0.64	0.29	0.25	0.08	0.11	0.14	0.21	0.10	0.17
4	5 -- 10	2.88	0.08	0.08	0.07	1.25	1.08	0.35	0.22	0.09	0.12	0.09	0.24	0.34	0.25
5	10 -- 20	2.50	0.11	0.09	0.07	0.91	0.79	0.47	0.31	0.09	0.09	0.13	0.10	0.00	0.10
6	20 -- 50	11.54	0.49	0.65	0.61	4.83	4.45	1.93	1.82	0.87	0.83	0.83	0.64	2.14	0.92
7	50 -- 100	8.65	1.45	0.95	1.02	3.49	3.50	1.98	1.76	0.51	0.58	1.08	0.84	0.38	2.03
8	100 -- 200	9.04	2.54	1.97	2.36	6.45	6.52	5.16	4.54	6.05	5.57	2.75	3.87	3.44	7.02
9	200 -- 500	14.42	4.78	3.92	4.82	12.06	13.04	9.04	10.21	7.66	7.00	9.46	4.04	7.98	11.62
10	500 -- 1000	6.92	5.92	5.01	4.98	7.94	9.25	6.42	8.25	4.27	5.02	5.40	8.06	15.81	10.03
11	1000 - 2000	6.54	7.44	4.75	6.73	9.81	9.78	10.05	10.89	7.67	7.63	6.72	7.53	2.71	11.39
12	2000 - 5000	5.96	12.05	13.87	8.73	12.59	13.18	9.96	10.29	24.41	24.03	15.45	23.34	9.82	4.16
13	5000 - 10000	3.27	12.60	6.67	10.47	13.63	12.68	10.98	9.24	8.07	8.74	13.85	10.97	18.33	15.52
14	10000 & above	3.65	49.06	60.21	58.13	20.44	19.85	40.31	40.11	39.58	39.67	42.64	39.73	28.09	34.79
<b>Total</b>		<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

## Annual Survey of Industries 2009-10

### Annexure 3.3 - Structural Ratios and Technical Co-efficient by Size of Capital

Sl 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	8.54	0.91	0.66	9.41	1.30	0.14	0.94
2	Upto 2.5	0.98	1.25	0.31	0.78	0.14	0.17	0.30
3	2.5 -- 5	1.17	3.62	0.59	0.32	0.12	0.38	0.23
4	5 -- 10	0.89	2.40	0.36	0.37	0.14	0.38	0.18
5	10 -- 20	1.69	1.42	0.66	1.19	0.25	0.21	0.57
6	20 -- 50	1.41	1.56	0.51	0.90	0.13	0.15	0.55
7	50 -- 100	5.26	2.62	0.72	2.01	0.56	0.28	0.40
8	100 -- 200	4.95	6.47	1.01	0.77	0.10	0.13	0.23
9	200 -- 500	4.65	3.38	0.95	1.38	0.15	0.11	0.49
10	500 -- 1000	8.12	9.51	1.03	0.85	0.26	0.31	0.20
11	1000 - 2000	9.67	8.40	1.30	1.15	0.22	0.19	0.28
12	2000 - 5000	11.60	19.31	1.00	0.60	0.11	0.19	0.08
13	5000 - 10000	12.62	9.44	1.02	1.34	0.32	0.24	0.16
14	10000 & above	31.39	21.84	2.50	1.44	0.28	0.19	0.19
<b>Total</b>		<b>12.70</b>	<b>10.91</b>	<b>1.27</b>	<b>1.16</b>	<b>0.22</b>	<b>0.19</b>	<b>0.19</b>



**Annual Survey of Industries 2009-10**  
**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.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Wholly State/local Govt.	2	545	562	767	158	257	193	370	2332	2406	110	-36	2	127
3	Central & State/local Govt.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	<b>Public Sector (1+2+3)</b>	<b>2</b>	<b>545</b>	<b>562</b>	<b>767</b>	<b>158</b>	<b>257</b>	<b>193</b>	<b>370</b>	<b>2332</b>	<b>2406</b>	<b>110</b>	<b>-36</b>	<b>2</b>	<b>127</b>
5	Joint Sector (Public)	11	49503	47700	69877	4086	4835	4063	6566	102903	151957	4047	45007	347	4844
6	Joint Sector (Private)	3	765	770	1333	235	314	341	553	9904	10233	83	246	0	53
7	<b>Joint Sector (5+6)</b>	<b>14</b>	<b>50268</b>	<b>48470</b>	<b>71210</b>	<b>4321</b>	<b>5149</b>	<b>4404</b>	<b>7119</b>	<b>112807</b>	<b>162190</b>	<b>4130</b>	<b>45253</b>	<b>347</b>	<b>4897</b>
8	Wholly Private	504	605609	1399263	1249222	34413	46291	44713	100805	2207381	2778899	52697	518821	12426	26530
<b>Total</b>		<b>520</b>	<b>656422</b>	<b>1448295</b>	<b>1321199</b>	<b>38891</b>	<b>51697</b>	<b>49309</b>	<b>108295</b>	<b>2322519</b>	<b>2943495</b>	<b>56938</b>	<b>564038</b>	<b>12775</b>	<b>31555</b>

**Annual Survey of Industries 2009-10**  
**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	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Wholly State/ local Govt.	0.38	0.08	0.04	0.06	0.41	0.50	0.39	0.34	0.10	0.08	0.19	-0.01	0.02	0.40
3	Central & State/ local Govt.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	<b>Public Sector (1+2+3)</b>	<b>0.38</b>	<b>0.08</b>	<b>0.04</b>	<b>0.06</b>	<b>0.41</b>	<b>0.50</b>	<b>0.39</b>	<b>0.34</b>	<b>0.10</b>	<b>0.08</b>	<b>0.19</b>	<b>-0.01</b>	<b>0.02</b>	<b>0.40</b>
5	Joint Sector (Public)	2.12	7.54	3.29	5.29	10.51	9.35	8.24	6.06	4.43	5.16	7.11	7.98	2.72	15.35
6	Joint Sector (Private)	0.58	0.12	0.05	0.10	0.60	0.61	0.69	0.51	0.43	0.35	0.15	0.04	0.00	0.17
7	<b>Joint Sector (5+6)</b>	<b>2.69</b>	<b>7.66</b>	<b>3.35</b>	<b>5.39</b>	<b>11.11</b>	<b>9.96</b>	<b>8.93</b>	<b>6.57</b>	<b>4.86</b>	<b>5.51</b>	<b>7.25</b>	<b>8.02</b>	<b>2.72</b>	<b>15.52</b>
8	Wholly Private	96.92	92.26	96.61	94.55	88.48	89.54	90.68	93.08	95.04	94.41	92.55	91.98	97.27	84.08
<b>Total</b>		<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

**Annual Survey of Industries 2009-10**  
**Annexure 4.3 - Structural Ratios and Technical Co-efficient by Type of Ownership**

Sl 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.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Wholly State/ local Govt.	2.12	-0.14	1.22	-15.14	0.23	-0.01	-10.28
3	Central & State/ local Govt.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	<b>Public Sector (1+2+3)</b>	<b>2.12</b>	<b>-0.14</b>	<b>1.22</b>	<b>-15.14</b>	<b>0.23</b>	<b>-0.01</b>	<b>-10.28</b>
5	Joint Sector (Public)	10.24	9.31	0.99	1.10	0.33	0.30	0.15
6	Joint Sector (Private)	2.44	0.78	1.45	3.11	0.07	0.02	2.25
7	<b>Joint Sector (5+6)</b>	<b>9.76</b>	<b>8.79</b>	<b>1.02</b>	<b>1.11</b>	<b>0.31</b>	<b>0.28</b>	<b>0.16</b>
8	Wholly Private	13.08	11.21	1.30	1.17	0.22	0.19	0.19
<b>Total</b>		<b>12.70</b>	<b>10.91</b>	<b>1.27</b>	<b>1.16</b>	<b>0.22</b>	<b>0.19</b>	<b>0.19</b>

**Annual Survey of Industries 2009-10**  
**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	79	6503	18531	11598	1334	1538	698	1001	16151	23963	617	7195	95	875
2	Joint Family	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Partnership	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Public Limited Company	78	5376	12465	8320	2604	3054	1108	1810	20562	27467	771	6134	91	569
5	Private Limited Company	92	384296	966300	863061	16691	21893	29066	64814	1197371	1498235	30627	270237	4317	12812
6	<b>Corporate Sector (4+5)</b>	<b>170</b>	<b>389672</b>	<b>978765</b>	<b>871381</b>	<b>19295</b>	<b>24947</b>	<b>30174</b>	<b>66624</b>	<b>1217933</b>	<b>1525702</b>	<b>31398</b>	<b>276371</b>	<b>4408</b>	<b>13381</b>
7	Co-operative Society	264	258765	448574	434322	17726	24499	17785	39652	1076390	1381094	24740	279965	8267	17171
8	Others	7	1483	2426	3898	537	713	652	1018	12046	12736	183	506	6	127
<b>Total</b>		<b>520</b>	<b>656422</b>	<b>1448295</b>	<b>1321199</b>	<b>38891</b>	<b>51697</b>	<b>49309</b>	<b>108295</b>	<b>2322519</b>	<b>2943495</b>	<b>56938</b>	<b>564038</b>	<b>12775</b>	<b>31555</b>

**Annual Survey of Industries 2009-10**  
**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	15.19	0.99	1.28	0.88	3.43	2.98	1.42	0.92	0.70	0.81	1.08	1.28	0.74	2.77
2	Joint Family	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Partnership	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Public Limited Company	15.00	0.82	0.86	0.63	6.70	5.91	2.25	1.67	0.89	0.93	1.35	1.09	0.71	1.80
5	Private Limited Company	17.69	58.54	66.72	65.32	42.92	42.35	58.95	59.85	51.55	50.90	53.79	47.91	33.79	40.60
6	<b>Corporate Sector (4+5)</b>	<b>32.69</b>	<b>59.36</b>	<b>67.58</b>	<b>65.95</b>	<b>49.61</b>	<b>48.26</b>	<b>61.19</b>	<b>61.52</b>	<b>52.44</b>	<b>51.83</b>	<b>55.14</b>	<b>49.00</b>	<b>34.50</b>	<b>42.41</b>
7	Co-operative Society	50.77	39.42	30.97	32.87	45.58	47.39	36.07	36.61	46.35	46.92	43.45	49.64	64.71	54.42
8	Others	1.35	0.23	0.17	0.30	1.38	1.38	1.32	0.94	0.52	0.43	0.32	0.09	0.05	0.40
<b>Total</b>		<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.01</b>	<b>100.00</b>

**Annual Survey of Industries 2009-10**  
**Annexure 5.3 - Structural Ratios and Technical Co-efficient by Type of Organisation**

Sl 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	4.23	4.68	0.52	0.90	0.27	0.30	0.14
2	Joint Family	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Partnership	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Public Limited Company	1.76	2.01	0.43	0.88	0.20	0.22	0.30
5	Private Limited Company	17.55	12.34	1.74	1.42	0.26	0.18	0.24
6	<b>Corporate Sector (4+5)</b>	<b>15.62</b>	<b>11.08</b>	<b>1.56</b>	<b>1.41</b>	<b>0.26</b>	<b>0.18</b>	<b>0.24</b>
7	Co-operative Society	10.56	11.43	1.00	0.92	0.19	0.20	0.14
8	Others	2.08	0.71	1.21	2.93	0.12	0.04	2.01
<b>Total</b>		<b>12.70</b>	<b>10.91</b>	<b>1.27</b>	<b>1.16</b>	<b>0.22</b>	<b>0.19</b>	<b>0.19</b>

**Annual Survey of Industries 2009-10**  
**Annexure 6.1 - Principal Characteristics for each Major Industry Group**  
**(Arranged in descending order of Net Value Added)**

(Value figures in Rs. Lakh & Others in number)												
Ind. Code (2-digit)	Factories	Fixed Capital	Productive Capital	Invested 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
<b>21</b>	54	137608	211988	205695	8163	11075	11827	22868	210491	374795	12343	151961
<b>20</b>	45	76710	150722	187548	2992	3847	6774	17486	600301	704017	7499	96216
<b>24</b>	45	79217	160209	131539	3825	4991	3417	7244	631090	725000	6054	87855
<b>22</b>	41	20671	38975	37971	1914	2924	2889	5527	133763	187587	3362	50462
<b>10</b>	54	34952	44165	44100	3995	4704	3042	4446	89714	140960	3213	48034
<b>27</b>	38	25146	60810	56296	3127	4324	2311	7199	170709	198842	3293	24840
<b>11</b>	29	16286	31521	28790	1562	1881	1269	2296	32233	51082	2055	16794
<b>13</b>	14	7146	9928	9899	658	781	711	1042	28129	45323	904	16290
<b>23</b>	21	44655	59775	68379	1272	1807	1313	4383	58780	74673	2801	13092
<b>28</b>	23	9373	19612	19958	767	1297	752	2908	49669	63163	1095	12399
<b>32</b>	8	13271	17646	20253	1160	1608	996	2910	17053	29764	1020	11691
<b>Others</b>	22	26872	16523	27767	1020	1300	792	1457	34088	44055	1941	8026
<b>18</b>	18	7728	26363	11732	463	781	415	1358	19247	26561	602	6713
<b>26</b>	21	26349	32103	36737	2202	2906	2697	5391	129976	138820	3572	5272
<b>25</b>	22	12052	15383	17888	1374	1667	1244	2438	20473	26818	1688	4658
<b>29</b>	12	5033	9597	9128	2304	2718	1826	3011	19095	22641	427	3118
<b>17</b>	23	4338	3962	5691	768	936	458	802	8221	10907	337	2349
<b>33</b>	6	1258	3146	3014	186	284	565	836	3075	4550	115	1360
<b>30</b>	10	105119	526420	392026	701	1312	5488	13787	49064	54474	4353	1057
<b>19</b>	3	820	6777	4318	152	202	322	553	15228	16388	123	1038
<b>31</b>	11	956	1456	1505	149	213	89	229	1262	1846	62	522
<b>58</b>	3	862	1214	966	140	144	114	125	860	1230	77	293
<b>Total</b>	<b>520</b>	<b>656422</b>	<b>1448295</b>	<b>1321199</b>	<b>38891</b>	<b>51697</b>	<b>49309</b>	<b>108295</b>	<b>2322519</b>	<b>2943495</b>	<b>56938</b>	<b>564038</b>

**Annual Survey of Industries 2009-10**  
**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	Productive Capital	Invested 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
<b>21</b>	10.38	20.96	14.64	15.57	20.99	21.42	23.99	21.12	9.06	12.73	21.68	26.94
<b>20</b>	8.65	11.69	10.41	14.20	7.69	7.44	13.74	16.15	25.85	23.92	13.17	17.06
<b>24</b>	8.65	12.07	11.06	9.96	9.84	9.65	6.93	6.69	27.17	24.63	10.63	15.58
<b>22</b>	7.88	3.15	2.69	2.87	4.92	5.66	5.86	5.10	5.76	6.37	5.90	8.95
<b>10</b>	10.38	5.32	3.05	3.34	10.27	9.10	6.17	4.11	3.86	4.79	5.64	8.52
<b>27</b>	7.31	3.83	4.20	4.26	8.04	8.36	4.69	6.65	7.35	6.76	5.78	4.40
<b>11</b>	5.58	2.48	2.18	2.18	4.02	3.64	2.57	2.12	1.39	1.74	3.61	2.98
<b>13</b>	2.69	1.09	0.69	0.75	1.69	1.51	1.44	0.96	1.21	1.54	1.59	2.89
<b>23</b>	4.04	6.80	4.13	5.18	3.27	3.50	2.66	4.05	2.53	2.54	4.92	2.32
<b>28</b>	4.42	1.43	1.35	1.51	1.97	2.51	1.53	2.69	2.14	2.15	1.92	2.20
<b>32</b>	1.54	2.02	1.22	1.53	2.98	3.11	2.02	2.69	0.73	1.01	1.79	2.07
<b>Others</b>	4.23	4.09	1.14	2.10	2.62	2.51	1.61	1.35	1.47	1.50	3.41	1.42
<b>18</b>	3.46	1.18	1.82	0.89	1.19	1.51	0.84	1.25	0.83	0.90	1.06	1.19
<b>26</b>	4.04	4.01	2.22	2.78	5.66	5.62	5.47	4.98	5.60	4.72	6.27	0.93
<b>25</b>	4.23	1.84	1.06	1.35	3.53	3.22	2.52	2.25	0.88	0.91	2.96	0.83
<b>29</b>	2.31	0.77	0.66	0.69	5.92	5.26	3.70	2.78	0.82	0.77	0.75	0.55
<b>17</b>	4.42	0.66	0.27	0.43	1.97	1.81	0.93	0.74	0.35	0.37	0.59	0.42
<b>33</b>	0.58	0.19	0.22	0.23	0.48	0.55	1.15	0.77	0.13	0.15	0.20	0.24
<b>30</b>	1.92	16.01	36.35	29.67	1.80	2.54	11.13	12.73	2.11	1.85	7.65	0.19
<b>19</b>	0.58	0.12	0.47	0.33	0.39	0.39	0.65	0.51	0.66	0.56	0.22	0.18
<b>31</b>	2.12	0.15	0.10	0.11	0.38	0.41	0.18	0.21	0.05	0.06	0.11	0.09
<b>58</b>	0.58	0.13	0.08	0.07	0.35	0.27	0.23	0.11	0.04	0.04	0.14	0.05



**Annual Survey of Industries 2009-10**  
**Annexure 7 - Important Indicators of Industries in Goa State**  
**Over the Years 1964-65 to 2009-10**

Sr. no.	Characteristics	Unit	19 64- 65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	19 71- 72	1973- 74	1974-75
1	Number of factories	Number	63	68	67	81	90	106	112	12 2	176	94
2	Fixed capital	Rs. Crore	1.5	1.65	1.39	2.54	3.81	7.12	7.45	8.4 3	70.39	65.8
3	Working capital	Rs. Crore	0.8 5	1.1	1.23	1.54	1.83	2.41	2.89	3.4 6	8.92	8.97
4	Invested capital	Rs. Crore	N A	NA	NA	NA	NA	NA	NA	N A	NA	80.02
5	Outstanding loans	Rs. Crore	N A	NA	NA	NA	NA	NA	NA	N A	NA	46.02
6	No. of workers	Number	19 98	2174	2348	2831	3059	3860	4870	55 90	6227	5195
7	Man days workers	Lakh	N A	NA	NA	NA	NA	NA	14	16	18	19
8	No. of employees	Number	24 07	2620	2858	3464	3777	4820	5856	66 90	7645	6534
9	Man days employees	Lakh	N A	NA	NA	NA	NA	NA	NA	N A	NA	NA
10	Total persons engaged	Number	N A	NA	NA	NA	NA	NA	NA	N A	NA	NA
11	Wages to workers	Rs. Crore	0.2 8	0.34	0.4	0.47	0.56	0.78	1.05	1.2 5	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	0.0 03 3	0.006	0.0062	0.0128	0.018	0.0262	0.03	0.1	0.25	0.46
14	Workmen welfare expenses	Rs. Crore	N A	NA	NA	NA	NA	NA	NA	N A	NA	NA
15	Fuel consumed	Rs. Crore	0.1	0.1	0.12	0.16	0.2	0.26	0.38	0.6 1	0.75	4.81
16	Materials consumed	Rs. Crore	1.0 3	1.26	1.36	2.41	3.59	4.23	5.31	7.8 3	17	25.77
17	Total inputs	Rs. Crore	1.4 5	1.69	1.81	3.16	4.58	5.42	6.22	9.2 7	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	1.8 8	2.22	2.45	3.91	5.59	7.17	7.89	12. 68	27.52	64.1

20	Depreciation	Rs. Crore	0.1 1	0.13	0.12	0.18	0.24	0.47	0.66	0.8 8	1.95	5.43
21	Net value added	Rs. Crore	0.4 3	0.53	0.64	0.75	1.01	1.75	1.01	2.5 3	5.96	14.02

**NOTE:** 1) SURVEY PERIOD: (a) Calendar Year - 1964 to 1977  
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(b) Goa - 1985-86 onwards  
No survey conducted during 1972.

\* Employees other than Workers

**Annual Survey of Industries 2009-10**  
**Annexure 7 - Important Indicators of Industries in Goa State**  
**Over the Years 1964-65 to 2009-10**

Sr.no.	Characteristics	Unit	19 75- 76	1976-77	1977-78	1978-79	1979-80	1980-81	1981- 82	19 82- 83	1983-84	198 4-85
1	Number of factories	Number	12 6	129	149	178	194	194	208	21 3	229	218
2	Fixed capital	Rs. Crore	81. 42	85.99	87.55	86.47	92.01	160.97	153.7 1	16 1.9 4	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	66.8 5
4	Invested capital	Rs. Crore	10 3.3 8	120.84	124.62	134.99	NA	NA	NA	N A	NA	NA
5	Outstanding loans	Rs. Crore	53. 42	53.68	63.15	54.17	103.06	117.96	128.2 7	15 6.0 2	123.55	140. 36
6	No. of workers	Number	75 78	8361	9266	9841	13884	11342	12029	12 31 4	10970	111 20
7	Man days workers	Lakh	30	33	34	37	32	43	45	47	48	47
8	No. of employees	Number	96 65	10825	12354	12892	20311	15249	16608	16 02 8	14616	147 84
9	Man days employees	Lakh	N A	NA	NA	NA	NA	NA	NA	N A	NA	NA
10	Total persons engaged	Number	N A	NA	NA	NA	NA	NA	NA	N A	NA	NA
11	Wages to workers	Rs. Crore	3.5 1	3.92	4.24	4.93	5.38	6.45	7.77	9.3 6	10.02	11.5 3

12	Total emoluments	Rs. Crore	6.2 8	7.15	7.92	9.02	10.19	11.75	13.69	17. 28	18.29	20.9
13	Provident & other fund	Rs. Crore	0.6 9	0.94	1.04	1.27	1.38	1.1	1.54	2.0 7	1.83	2.34
14	Workmen welfare expenses	Rs. Crore	N A	NA	NA	NA	NA	NA	NA	N A	NA	NA
15	Fuel consumed	Rs. Crore	6.6 8	9.64	8.88	9.68	10.37	17.91	25.67	21. 8	22.44	24.3 8
16	Materials consumed	Rs. Crore	46. 5	63.13	68.57	78.82	76.73	109.86	150.6 2	21 4.9	225.86	258. 87
17	Total inputs	Rs. Crore	63. 47	84.12	92.48	100.68	97.24	139.37	224.4	30 3.8 5	300.7	335. 89
18	Products and by products	Rs. Crore	73. 97	96.08	102.47	129.84	130.18	199.58	223.3 3	31 4.6 4	297.8	327. 47
19	Gross output	Rs. Crore	83. 1	104.8	113.24	142.88	139.43	213.8	280.3 1	38 8.8 9	360.79	436. 51
20	Depreciation	Rs. Crore	6.6 2	7.09	7.4	8.28	7.7	13.63	19.91	12. 97	20.13	20.2 7
21	Net value added	Rs. Crore	13. 01	13.59	13.36	33.92	34.49	60.8	36.00	72. 07	39.96	80.3 5

NOTE: 1) SURVEY PERIOD: (a) Calendar Year - 1964 to 1977  
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**Annual Survey of Industries 2009-10**  
**Annexure 7 - Important Indicators of Industries in Goa State**  
**Over the Years 1964-65 to 2009-10**

Sr.no.	Characteristics	Unit	1985- 86	1986-87	1987-88	1988-89	1989-90	1990-91	1991- 92	19 92- 93	1993- 94	1994- 95
1	Number of factories	Number	216	229	227	206	222	235	257	25 8	251	256
2	Fixed capital	Rs. Crore	162.5 8	178.44	177.51	196.55	241.91	269.07	366.0 4	36 6.7 9	673.0 6	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

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**Annual Survey of Industries 2009-10**  
**Annexure 7 - Important Indicators of Industries in Goa State**  
**Over the Years 1964-65 to 2009-10**

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.	8981.	12038.

										76	99	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  
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(b) Goa - 1985-86 onwards  
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**Annual Survey of Industries 2009-10**  
**Annexure 7 - Important Indicators of Industries in Goa State**  
**Over the Years 1964-65 to 2009-10**

Sr.no.	Characteristics	Unit	2005-06	2006-07	2007-08	2008-09	2009-10
1	Number of factories	Number	544	514	522	519	520
2	Fixed capital	Rs. Crore	3921.37	4095.97	4500.19	5264.96	6564.22
3	Working capital	Rs. Crore	2113.07	2775.8	3451.33	2384.03	7918.73
4	Invested capital	Rs. Crore	6153.88	6676.39	7575.97	9493.45	13211.99
5	Outstanding loans	Rs. Crore	2306.37	1937.43	2123.39	1419.67	2263.95
6	No. of workers	Number	29908	31976	37617	40545	38891
7	Man days workers	Lakh	NA	NA	NA	NA	NA
8	No. of employees	Number	38954	9551*	13156*	12550*	12754*
9	Man days employees	Lakh	123.52	130.78	160.18	164.97	169.80
10	Total persons engaged	Number	39046	41620	50847	53107	51697
11	Wages to workers	Rs. Crore	241.03	273.73	330.52	365.31	493.09
12	Total emoluments	Rs. Crore	559.69	643.44	785.66	913.24	1082.95
13	Provident & other fund	Rs. Crore	98.7	116.89	125.05	142.24	190.92
14	Workmen welfare expenses	Rs. Crore	NA	NA	NA	NA	NA
15	Fuel consumed	Rs. Crore	787.35	899.29	982.93	1404.14	872.90

16	Materials consumed	Rs. Crore	9154.27	12118.35	11415.08	15866.91	18014.86
17	Total inputs	Rs. Crore	11747.27	14845.7	14552.95	22098.06	23225.19
18	Products and by products	Rs. Crore	13774.52	17293.04	16925.66	23157.03	26486.76
19	Gross output	Rs. Crore	15421.14	18832.91	18872.57	27525.79	29434.95
20	Depreciation	Rs. Crore	378.62	374.7	414.35	526.09	569.38
21	Net value added	Rs. Crore	3295.25	3612.51	3905.27	4901.64	5640.38

**NOTE:** 1) SURVEY PERIOD: (a) Calendar Year - 1964 to 1977  
(b) Financial Year - 1978-79  
onwards

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**Annexure 8 - National Industrial Classification (NIC 2008)**

<b>NIC-3 digit</b>	<b>NIC-4 digit</b>	<b>Description</b>
<b>016</b>	<b>0163</b>	<b>Post-harvest crop activities</b>
<b>089</b>	<b>0893</b>	<b>Extraction of salt</b>
<b>101</b>	<b>1010</b>	<b>Processing and preserving of meat</b>
<b>102</b>	<b>1020</b>	<b>Processing and preserving of fish, crustaceans and molluscs and products thereof</b>
<b>103</b>	<b>1030</b>	<b>Processing and preserving of fruit and vegetables</b>
<b>104</b>	<b>1040</b>	<b>Manufacture of vegetable and animal oils and fats</b>
<b>105</b>	<b>1050</b>	<b>Manufacture of dairy products</b>
<b>106</b>		<b>Manufacture of grain mill products, starches and starch products</b>
	1061	Manufacture of grain mill products
	1062	Manufacture of starches and starch products
<b>107</b>		<b>Manufacture of other food products</b>
	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.
<b>108</b>	<b>1080</b>	<b>Manufacture of prepared animal feeds</b>
<b>110</b>		<b>Manufacture of beverages</b>
	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
<b>120</b>	<b>1200</b>	<b>Manufacture of tobacco products</b>
<b>131</b>		<b>Spinning, weaving and finishing of textiles</b>
	1311	Preparation and spinning of textile fibres
	1312	Weaving of textiles
	1313	Finishing of textiles
<b>139</b>		<b>Manufacture of other textiles</b>
	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.
<b>141</b>	<b>1410</b>	<b>Manufacture of wearing apparel, except fur apparel</b>
<b>142</b>	<b>1420</b>	<b>Manufacture of articles of fur</b>
<b>143</b>	<b>1430</b>	<b>Manufacture of knitted and crocheted apparel</b>
<b>151</b>		<b>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</b>
	1511	Tanning and dressing of leather; dressing and dyeing of fur
	1512	Manufacture of luggage, handbags and the like, saddlery and harness
<b>152</b>	<b>1520</b>	<b>Manufacture of footwear</b>
<b>161</b>	<b>1610</b>	<b>Saw milling and planing of wood</b>
<b>162</b>		<b>Manufacture of products of wood, cork, straw and plaiting materials</b>
	1621	Manufacture of veneer sheets; manufacture of plywood, laminboard, particle board and other panels and board
	1622	Manufacture of builders' carpentry and joinery
	1623	Manufacture of wooden containers
	1629	Manufacture of other products of wood; manufacture of articles of cork, straw and plaiting materials
<b>170</b>		<b>Manufacture of paper and paper products</b>
	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
<b>181</b>		<b>Printing and service activities related to printing</b>
	1811	Printing
	1812	Service activities related to printing
<b>182</b>	<b>1820</b>	<b>Reproduction of recorded media</b>
<b>191</b>	<b>1910</b>	<b>Manufacture of coke oven products</b>
<b>192</b>	<b>1920</b>	<b>Manufacture of refined petroleum products</b>
<b>201</b>		<b>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</b>
	2011	Manufacture of basic chemicals
	2012	Manufacture of fertilizers and nitrogen compounds
	2013	Manufacture of plastics and synthetic rubber in primary forms
<b>202</b>		<b>Manufacture of other chemical products</b>
	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.
<b>203</b>	<b>2030</b>	<b>Manufacture of man-made fibres</b>

<b>210</b>	<b>2100</b>	<b>Manufacture of pharmaceuticals, medicinal chemical and botanical products</b>
<b>221</b>		<b>Manufacture of rubber products</b>
	2211	Manufacture of rubber tyres and tubes; retreading and rebuilding of rubber tyres
	2219	Manufacture of other rubber products
<b>222</b>	<b>2220</b>	<b>Manufacture of plastics products</b>
<b>231</b>	<b>2310</b>	<b>Manufacture of glass and glass products</b>
<b>239</b>		<b>Manufacture of non-metallic mineral products n.e.c.</b>
	2391	Manufacture of refractory products
	2392	Manufacture of clay building materials
	2393	Manufacture of other porcelain and ceramic products
	2394	Manufacture of cement, lime and plaster
	2395	Manufacture of articles of concrete, cement and plaster
	2396	Cutting, shaping and finishing of stone
	2399	Manufacture of other non-metallic mineral products n.e.c.
<b>241</b>	<b>2410</b>	<b>Manufacture of basic iron and steel</b>
<b>242</b>	<b>2420</b>	<b>Manufacture of basic precious and other non-ferrous metals</b>
<b>243</b>		<b>Casting of metals</b>
	2431	Casting of iron and steel
	2432	Casting of non-ferrous metals
<b>251</b>		<b>Manufacture of structural metal products, tanks, reservoirs and steam generators</b>
	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
<b>252</b>	<b>2520</b>	<b>Manufacture of weapons and ammunition</b>
<b>259</b>		<b>Manufacture of other fabricated metal products; metalworking service activities</b>
	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.
<b>261</b>	<b>2610</b>	<b>Manufacture of electronic components</b>
<b>262</b>	<b>2620</b>	<b>Manufacture of computers and peripheral equipment</b>
<b>263</b>	<b>2630</b>	<b>Manufacture of communication equipment</b>
<b>264</b>	<b>2640</b>	<b>Manufacture of consumer electronics</b>
<b>265</b>		<b>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</b>
	2651	Manufacture of measuring, testing, navigating and control equipment
	2652	Manufacture of watches and clocks
<b>266</b>	<b>2660</b>	<b>Manufacture of irradiation, electromedical and electrotherapeutic equipment</b>

<b>267</b>	<b>2670</b>	<b>Manufacture of optical instruments and equipment</b>
<b>268</b>	<b>2680</b>	<b>Manufacture of magnetic and optical media</b>
<b>271</b>	<b>2710</b>	<b>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</b>
<b>272</b>	<b>2720</b>	<b>Manufacture of batteries and accumulators</b>
<b>273</b>		<b>Manufacture of wiring and wiring devices</b>
	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
<b>274</b>	<b>2740</b>	<b>Manufacture of electric lighting equipment</b>
<b>275</b>	<b>2750</b>	<b>Manufacture of domestic appliances</b>
<b>279</b>	<b>2790</b>	<b>Manufacture of other electrical equipment</b>
<b>281</b>		<b>Manufacture of general purpose machinery</b>
	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
<b>282</b>		<b>Manufacture of special-purpose machinery</b>
	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
<b>291</b>	<b>2910</b>	<b>Manufacture of motor vehicles</b>
<b>292</b>	<b>2920</b>	<b>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</b>
<b>293</b>	<b>2930</b>	<b>Manufacture of parts and accessories for motor vehicles</b>
<b>301</b>		<b>Building of ships and boats</b>
	3011	Building of ships and floating structures
	3012	Building of pleasure and sporting boats
<b>302</b>	<b>3020</b>	<b>Manufacture of railway locomotives and rolling stock</b>
<b>303</b>	<b>3030</b>	<b>Manufacture of air and spacecraft and related machinery</b>

<b>304</b>	<b>3040</b>	<b>Manufacture of weapons and ammunition</b>
<b>309</b>		<b>Manufacture of transport equipment n.e.c.</b>
	3091	Manufacture of motorcycles
	3092	Manufacture of bicycles and invalid carriages
	3099	Manufacture of other transport equipment n.e.c.
<b>310</b>	<b>3100</b>	<b>Manufacture of furniture</b>
<b>321</b>		<b>Manufacture of jewellery, bijouterie and related articles</b>
	3211	Manufacture of jewellery and related articles
	3212	Manufacture of imitation jewellery and related articles
<b>322</b>	<b>3220</b>	<b>Manufacture of musical instruments</b>
<b>323</b>	<b>3230</b>	<b>Manufacture of sports goods</b>
<b>324</b>	<b>3240</b>	<b>Manufacture of games and toys</b>
<b>325</b>	<b>3250</b>	<b>Manufacture of medical and dental instruments and supplies</b>
<b>329</b>	<b>3290</b>	<b>Other manufacturing n.e.c.</b>
<b>331</b>		<b>Repair of fabricated metal products, machinery and equipment</b>
	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
<b>332</b>	<b>3320</b>	<b>Installation of industrial machinery and equipment</b>
<b>351</b>	<b>3510</b>	<b>Electric power generation, transmission and distribution</b>
<b>352</b>	<b>3520</b>	<b>Manufacture of gas; distribution of gaseous fuels through mains</b>
<b>353</b>	<b>3530</b>	<b>Steam and air conditioning supply</b>
<b>360</b>	<b>3600</b>	<b>Water collection, treatment and supply</b>
<b>370</b>	<b>3700</b>	<b>Sewerage</b>
<b>381</b>		<b>Waste collection</b>
	3811	Collection of non-hazardous waste
	3812	Collection of hazardous waste
<b>382</b>		<b>Waste treatment and disposal</b>
	3821	Treatment and disposal of non-hazardous waste
	3822	Treatment and disposal of hazardous waste
<b>383</b>	<b>3830</b>	<b>Materials recovery</b>
<b>452</b>	<b>4520</b>	<b>Maintenance and repair of motor vehicles</b>
<b>454</b>	<b>4540</b>	<b>Sale, maintenance and repair of motorcycles and related parts and Accessories</b>
<b>521</b>	<b>5210</b>	<b>Warehousing and storage</b>
<b>581</b>		<b>Publishing of books, periodicals and other publishing activities</b>
	5811	Book publishing

	5812	Publishing of directories and mailing lists
	5813	Publishing of newspapers, journals and periodicals
	5819	Other publishing activities
<b>591</b>		<b>Motion picture, video and television programme activities</b>
	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
<b>592</b>	<b>5920</b>	<b>Sound recording and music publishing activities</b>
<b>742</b>	<b>7420</b>	<b>Photographic activities</b>
<b>829</b>		<b>Business support service activities n.e.c.</b>
	8292	Packaging activities
<b>951</b>		<b>Repair of computers and communication equipment</b>
	9511	Repair of computers and peripheral equipment
	9512	Repair of communication equipment
<b>952</b>		<b>Repair of personal and household goods</b>
	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.
<b>960</b>		<b>Other personal service activities</b>
	9601	Washing and (dry-) cleaning of textile and fur products