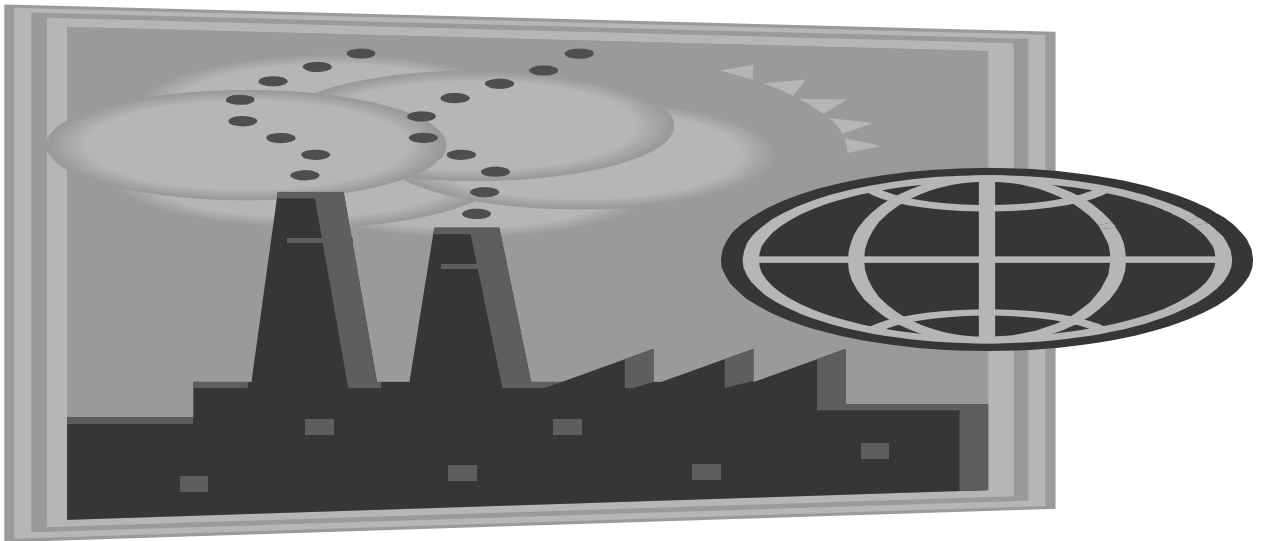




GOVERNMENT OF GOA

**A REPORT
ON
ANNUAL SURVEY OF INDUSTRIES
2010-11**



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

A REPORT
ON
ANNUAL SURVEY OF INDUSTRIES
2010-11

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 2010-11, and is the 38th 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:

CONTENTS

		Page No.
Chapter I	Introduction	1
Chapter II	Concepts and Definition	2-7
Chapter III	Principal Characteristics by Major Industrial Activity	8-14
Chapter IV	Distribution of Factories by Size of Employment	15-18
Chapter V	Distribution of Factories by Size of Capital	19-23
Chapter VI	Distribution of Factories by Type of Ownership	24-27
Chapter VII	Distribution of Factories by Type of Organization	28-30

ANNEXURES

		Page No.
Annexure 1.0	Selected Characteristics by Major Industries (Industry Code Numbers)	31-34
Annexure 1.1	Principal Characteristics by Major Economic Activities	35
Annexure 1.2	Principal Characteristics by Major Economic Activities (Percentage distribution)	36
Annexure 2.1	Principal Characteristics by Size of Employment	37
Annexure 2.2	Principal Characteristics by Size of Employment (Percentage distribution)	38
Annexure 2.3	Structural Ratios and Technical co-efficient by Employment size for Industries	39
Annexure 3.1	Principal Characteristics by Size of Capital	40
Annexure 3.2	Principal Characteristics by Size of Capital (Percentage distribution)	41
Annexure 3.3	Structural Ratios and Technical co-efficient by Size of Capital	42
Annexure 4.1	Principal Characteristics by Type of Ownership	43
Annexure 4.2	Principal Characteristics by Type of Ownership (Percentage distribution)	44
Annexure 4.3	Structural Ratios and Technical Co-efficient by Type of Ownership	45
Annexure 5.1	Principal Characteristics by Type of Organisation	46
Annexure 5.2	Principal Characteristics by Type of Organisation (Percentage distribution)	47
Annexure 5.3	Structural Ratios and Technical Co-efficient by Type of Organisation	48
Annexure 6.1	Principal Characteristics for each Major Industry Group (Arranged in descending order of Net Value Added)	49
Annexure 6.2	Principal Characteristics for each Major Industry Group (Arranged in descending order of Net Value Added) (Percentage distribution)	50
Annexure 7	Important Indicators Of Industries In Goa State Over The Years 1964-65 To 2008-09	51-55
Annexure 8	National Industrial Classification (NIC 2008)	56-61

CHAPTER - I

INTRODUCTION

1.1 The present Report on Annual Survey of Industries (ASI) for the year 2010-11 is the thirty-eighth 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 520 factories covered under Annual Survey of Industries during 2009-10, the numbers of factories covered during 2010-11 were 583.

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 - II

CONCEPTS AND DEFINITIONS

Important concepts and definitions used in ASI are explained below.

2.1 A number of accounting, economic and other terms related to the factories are used in 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 2010-2011 the reference period is the financial year commencing from 1st April 2010 and ending on 31st March 2011 or the accounting year of the factory ending on any date between 1.4.10 to 31.3.11.

2.4 SURVEY PERIOD: Survey period is a period during which work of any Annual Survey of Industries is undertaken. Since ASI 1978-79 the survey period has been fixed from 1st July to 30th June of the next year. From ASI 1998-99 the survey period has been changed from 12 months to 4 months i.e. from Nov'99 to Feb'2000. The survey period for ASI 99-00 has been again changed from October to March. The survey period for ASI 2010-2011 is from September, 2011 to April, 2012.

2.5 FACTORY (AS PER THE FACTORY ACT 1948): Factory is one, which is registered under Sections 2m(i) and 2m(ii) of the Factories Act, 1948. The Sections 2m(i) and 2m(ii) refer to any premises including the precinct thereof (i) wherein ten or more workers are working, or were working on any day of the preceding twelve months, and in any part of which a manufacturing process is being carried on with the aid of power, or is ordinarily so carried on, or (ii) wherein twenty or more workers are working, or were working on any day of the preceding twelve months and in any part of which a manufacturing process is being carried on without the aid of power, or is ordinarily so carried on. Closed factories with fixed assets on site are also considered as registered factories till they are de-registered and removed from the live-register maintained by the Chief Inspector of Factories (CIF) in the State.

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

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

also included. Thus it represents the gross value of plant and machinery engaged in production process.

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

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

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

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

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

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

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

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

2.16 CONTRACT 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 year end bonuses etc.).

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

2.20 BONUS: Profit sharing bonus, festival bonus, year-end bonus, and all other bonuses and ex-gratia payments paid at less frequent intervals are covered by this term.

2.21 WORKMEN AND STAFF WELFARE EXPENSES: These include expenditure incurred by the employer on the maternity benefits and crèches and other benefits such as supply of food, beverages, tobacco, clothing and group lodging at concessional rates and educational, cultural and recreational facilities and services and grants to trade unions and cooperative stores meant for employees. All group benefits are included.

2.22 EMOLUMENTS: These are defined in the same way as wages but paid to all employees plus imputed value of benefits in kind i.e. the net cost to the employers on those goods and services provided to employees free of charge or at markedly reduced cost which are clearly and primarily of benefit to the employees as consumers. It includes profit sharing, festival and other bonuses and ex-gratia payments paid at less frequent intervals (i.e. other than bonus paid more or less regularly for each period). Benefits in kind include supplies or services rendered such as housing, medical, education and recreation facilities. Personal insurance, income tax, house rent allowance, conveyance etc. for payment by the factory also is included in the emoluments.

2.23 SUPPLEMENTS TO EMOLUMENTS: These include: (i) employer's contribution to old age benefits, i.e., provident fund, pension, gratuity, etc.; (ii) employer's contribution towards other social security charges such as Employees' State Insurance, compensation for work injuries, occupational diseases, maternity benefits, retrenchment and lay-off benefits etc.; and (iii) group benefits like direct expenditure on maternity, creches, canteen facilities, educational, cultural and recreational facilities and grant to trade unions, co-operative stores etc. meant for employees.

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

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

2.26 MANDAYS PAID FOR: The number of 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 – III

PRINCIPAL CHARACTERISTICS BY MAJOR INDUSTRIAL ACTIVITY

3.1 **Principal Aggregates** : The distribution of principal characteristics by major economic activity in absolute and percentage terms by the manufacturing and others sector of industrial activity in Goa covered by the Annual Survey of Industries (ASI) 2010-11 compared with 2009-10 are given below :

TABLE NO. 3.1

PRINCIPAL CHARACTERISTICS BY MAJOR ECONOMIC ACTIVITY

Principal Characteristics	Unit	Manufacturing		Others		All	
		2009-10	2010-11	2009-10	2010-11	2009-10	2010-11
1	2	3	4	5	6	7	8
Factories	Number	498	555	22	28	520	583
	(%)	(96)	(95)	(4)	(5)	(100)	(100)
Fixed Capital	Rs. in crore	6295	5863	269	358	6564	6221
	(%)	(96)	(94)	(4)	(6)	(100)	(100)
Invested Capital	Rs. in crore	12934	11294	278	430	13212	11724
	(%)	(98)	(96)	(2)	(4)	(100)	(100)
Workers	Number	37871	34613	1020	1463	38891	36076
	(%)	(97)	(96)	(3)	(4)	(100)	(100)
Total persons engaged	Number	50397	50905	1300	2247	51697	53152
	(%)	(97)	(96)	(3)	(4)	(100)	(100)
Wages to workers	Rs. in crore	485	542	8	20	493	562
	(%)	(98)	(96)	(2)	(4)	(100)	(100)
Total Emoluments	Rs. in crore	1068	1212	15	53	1083	1265
	(%)	(99)	(96)	(1)	(4)	(100)	(100)
Input	Rs. in crore	22884	25273	341	667	23225	25940
	(%)	(99)	(97)	(1)	(3)	(100)	(100)
Gross Output	Rs. in crore	28994	31666	441	828	29435	32494
	(%)	(99)	(97)	(1)	(3)	(100)	(100)
Depreciation	Rs. in crore	550	697	19	30	569	727
	(%)	(97)	(96)	(3)	(4)	(100)	(100)
Net Value Added	Rs. in crore	5560	5697	80	131	5640	5828
	(%)	(99)	(98)	(1)	(2)	(100)	(100)
Net Income	Rs. in crore	5129	5177	68	112	5197	5289
	(%)	(99)	(98)	(1)	(2)	(100)	(100)

Figures in bracket indicate percentages.

3.2 The number of factory units covered under the Annual Survey of Industries during 2009-10 and 2010-11 were 520 and 583 units respectively. It may be observed from Table 3.1, that 498 factory units were engaged in the manufacturing activities in the year 2009-10, which has increased to 555

during the year 2010-11. The units covered under “other “industrial activities have also increased from 22 in 2009-10 to 28 in 2010-11.

3.3 It may be observed that the share of Manufacturing Sector in the total fixed capital has reduced from 96% in 2009-10 to 94% in 2010-11, i.e. (Rs.6295 crores) in the year 2009-10 and (Rs.5863 crores) during the year 2010-11. The percentage of fixed capital accounted for by the factories covered under the others group of industries was 4% in 2009-10 and 6% in 2010-11. The number of workers employed in the manufacturing has decreased from 97% in 2009-10 to 96% in 2010-11 and were paid wages (Rs.485 crores) during 2009-10 and (Rs.542 crores) during 2010-11 i.e. 98% and 96% during 2009-10 and 2010-11 respectively. The Gross output produced under manufacturing sector was valued at Rs.28994 crores & Rs.31666 crores or 99% in 2009-10 and 97% in 2010-11. The contribution of Net Value Added by manufacturing was Rs.5560 crores and Rs.5697 crores i.e 99% and 98% during the year 2009-10 and 2010-11 respectively.

The percentage growth during 2010-11 over 2009-10 in respect of important characteristics is exhibited in table 3.2 below.

TABLE NO. 3.2

PERCENTAGE GROWTH DURING 2010-11 OVER 2009-10 IN PRINCIPAL CHARACTERISTICS BY MAJOR ECONOMIC ACTIVITY

Principal Characteristics	Manufacturing	Others	All Industries
1	2	3	4
Factories	11.4	27.3	12.1
Fixed Capital	-6.9	33.1	-5.2
Invested Capital	-12.7	54.7	-11.3
Workers	-8.6	43.4	-7.2
Total persons engaged	1.0	72.8	2.8
Wages to workers	11.8	150.0	14.0
Total Emoluments	13.5	253.3	16.8
Input	10.4	95.6	11.7
Gross Output	9.2	87.8	10.4
Depreciation	26.7	57.9	27.8
Net Value Added	2.5	63.8	3.3
Net Income	1.0	64.7	1.8

3.4 Growth: It is observed from table no. 3.2 that total number of factory units has increased by (12.1%) during 2010-11 over 2009-10. The growth in Net Value Added during 2010-11 over 2009-10 under All industries was 3.3%. Among other characteristics enjoying positive growth in manufacturing sector are Total persons engaged (1.0%), Wages to workers (11.8%), Total Emoluments (13.5%), Input (10.4%), Gross output (9.2%), Depreciation (26.7%), Net Value Added (2.5%) and Net Income (1.0%). Whereas Fixed capital, Invested capital and Workers have shown negative growth of (-6.9%), (-12.7%) and (-8.6%) respectively.

TABLE NO. 3.3

STRUCTURAL RATIOS AND TECHNICAL COEFFICIENTS BY MAJOR ECONOMIC ACTIVITY

Item	Unit	Manufacturing		Others		All	
		2009-10	2010-11	2009-10	2010-11	2009-10	2010-11
1	2	3	4	5	6	7	8
Structural Ratios							
Fixed capital per factory	Rs. in lakh	1264.06	1056.33	1222.73	1280.18	1262.3	1067.08
Gross output per factory	Rs. in lakh	5822.09	5705.57	2004.55	2957.86	5660.58	5573.60
Net value added per factory	Rs. in lakh	1116.47	1026.38	363.34	468.25	1084.62	999.57
Workers per factory	Number	76	62	46	52	75	62
Persons engaged per factory	Number	101	92	59	80	99	91
Fixed capital per person engaged	Rs. in lakh	12.5	11.52	20.7	15.95	12.7	11.70
Gross output per person engaged	Rs. in lakh	57.5	62.21	33.9	36.86	56.9	61.13
Net value added per person engaged	Rs. in lakh	11	11.19	6.6	5.83	10.9	10.96
Total emoluments per person engaged	Rs. in lakh	2.12	2.38	1.2	2.37	2.1	2.38
Wages per worker	Rs. in lakh	1.3	1.57	0.8	1.35	1.3	1.56
Technical Coefficient							
Fixed capital to Net value added		1.13	1.03	3.36	2.73	1.16	1.07
Fixed capital to Gross output		0.22	0.19	0.61	0.43	0.22	0.19
Net value added to Gross output		0.19	0.18	0.18	0.16	0.19	0.18
Total emoluments to Net value added		0.19	0.21	0.19	0.41	0.19	0.22

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

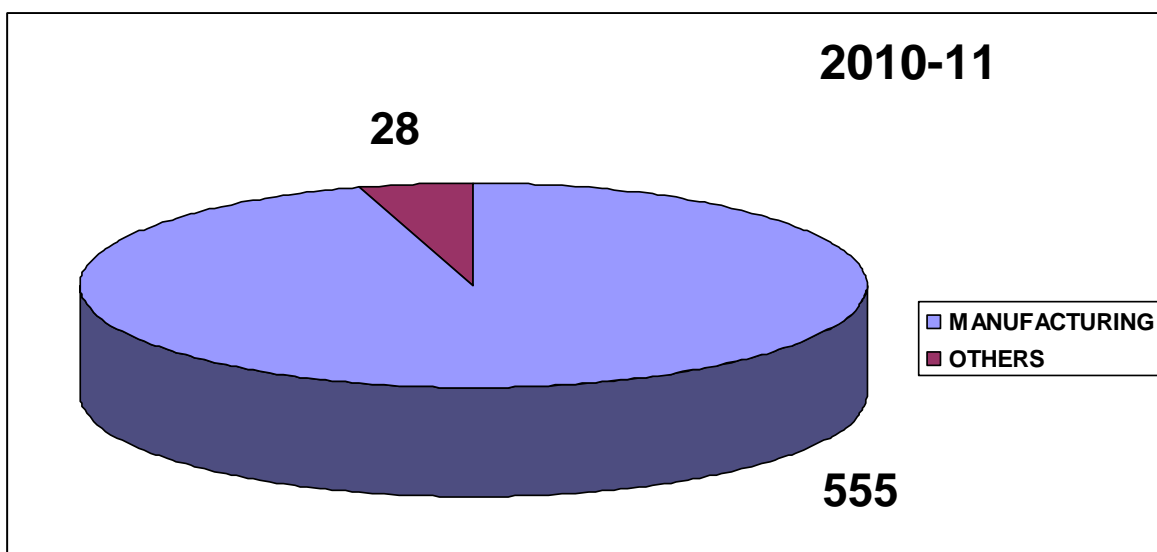
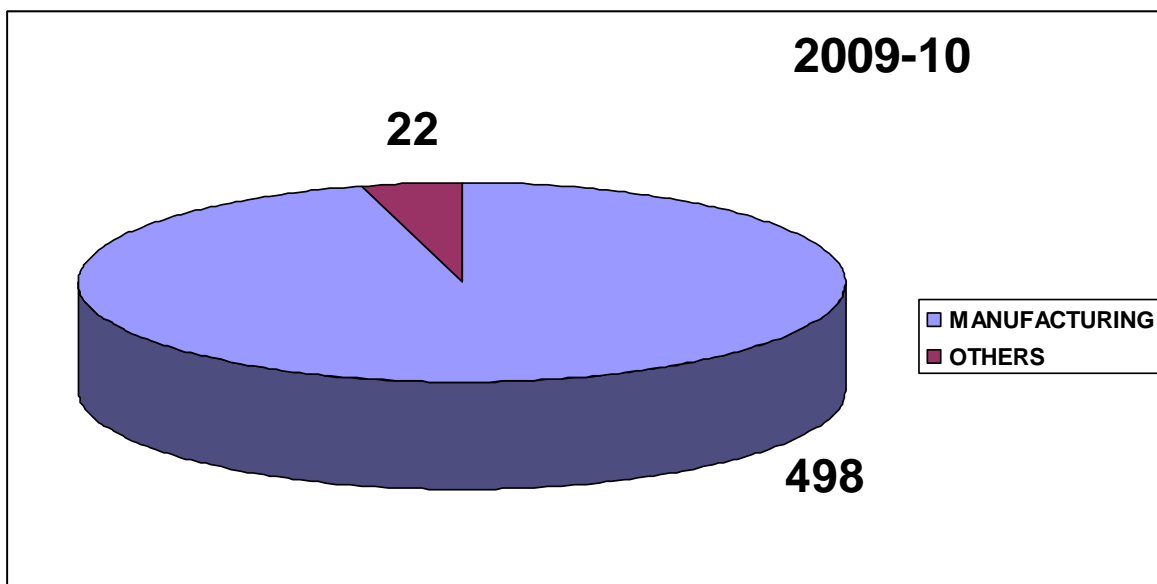
The fixed capital utilized by each factory unit in case of all the activities and that under manufacturing sector, which also forms the major sector, works out to the value of Rs.1262.3 lakh and Rs.1067.08 lakh and Rs.1264.06 lakh and Rs.1056.33 lakh respectively during 2009-10 & 2010-11. The ratio of Net value added per factory has declined from Rs.1116.47 lakhs in 2009-10 to Rs.1026.38 lakhs in 2010-11 under manufacturing sector whereas, it has increased from Rs.363.34 lakh in 2009-10 to Rs. 468.25 lakh in 2010-11 under "Others" category. Net value added per person engaged shows an increasing trend in manufacturing sector and decreasing trend under "Others"

category of industries. It is important to note that the average wages per worker per annum has increased significantly from Rs.1.3 lakh in 2009-10 to Rs.1.57 lakhs in 2010-11. On the other hand, number of workers employed per factory during 2009-10 over 2010-11 has increased in factories covered under “others” group and decreased in the manufacturing sector. Gross output per person engaged shows an upward trend in manufacturing sector and “Others” sector.

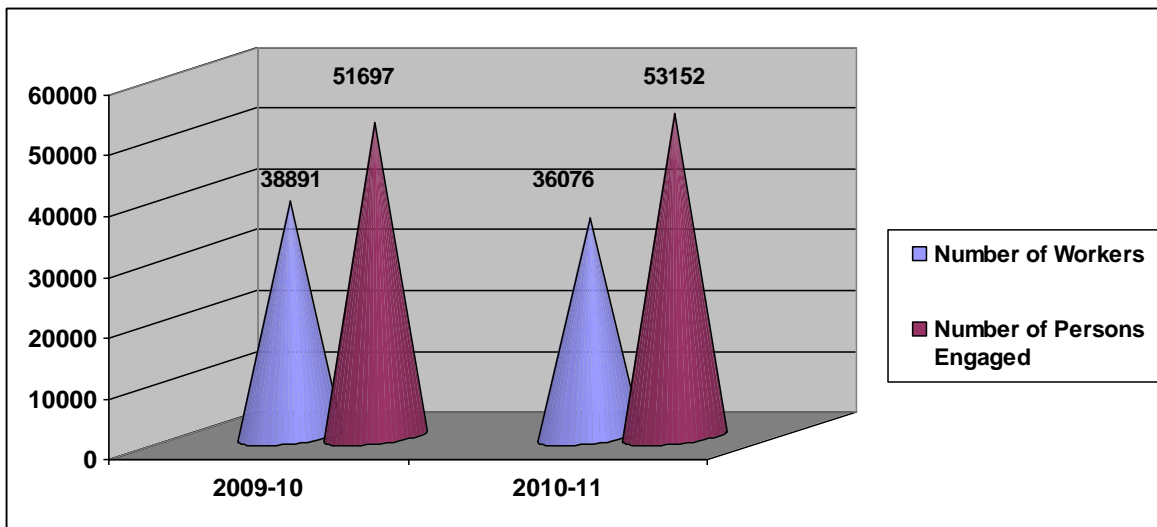
As regards Technical Coefficients, the coefficient of fixed capital to net value added stood at 1.16 and 1.07 during 2009-10 and 2010-11 respectively under the sector “All activities”. The coefficient of Fixed Capital to Gross Output has shown a downward trend from 0.22 in 2009-10 to 0.19 in 2010-11. Also the coefficient of net value added to gross output has decreased from 0.19 for the year 2009-10 to 0.18 in the year 2010-11. Total emoluments paid in terms of Net value added generated has increased in Manufacturing sector and “Others” category from 0.19 and 0.19 in 2009-10 to 0.21 and 0.41 in 2010-11 respectively.

PRINCIPAL CHARACTERISTICS BY MAJOR ECONOMIC ACTIVITY

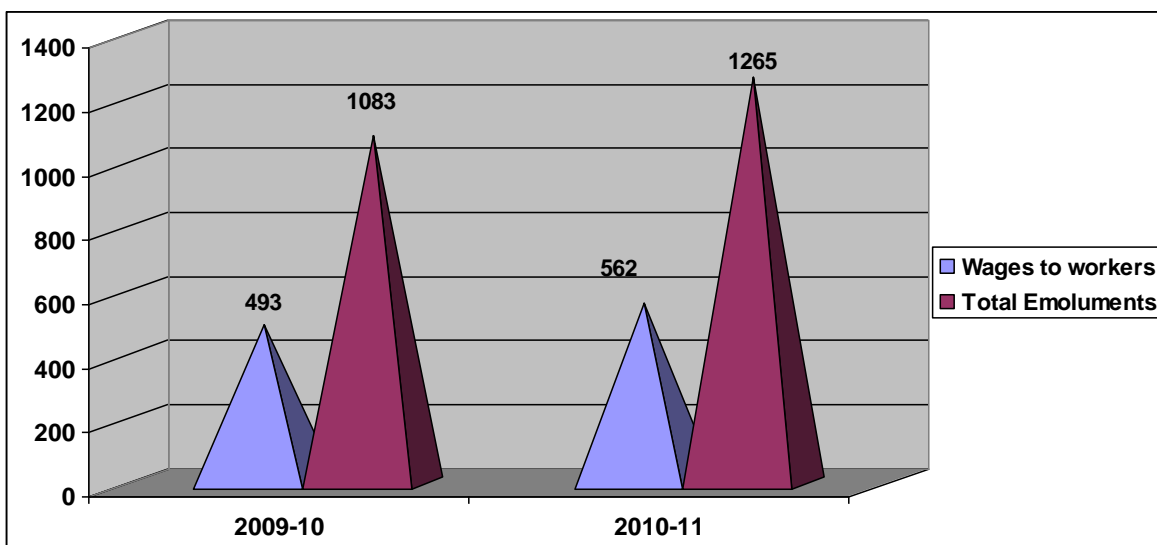
(i) No. of Factories



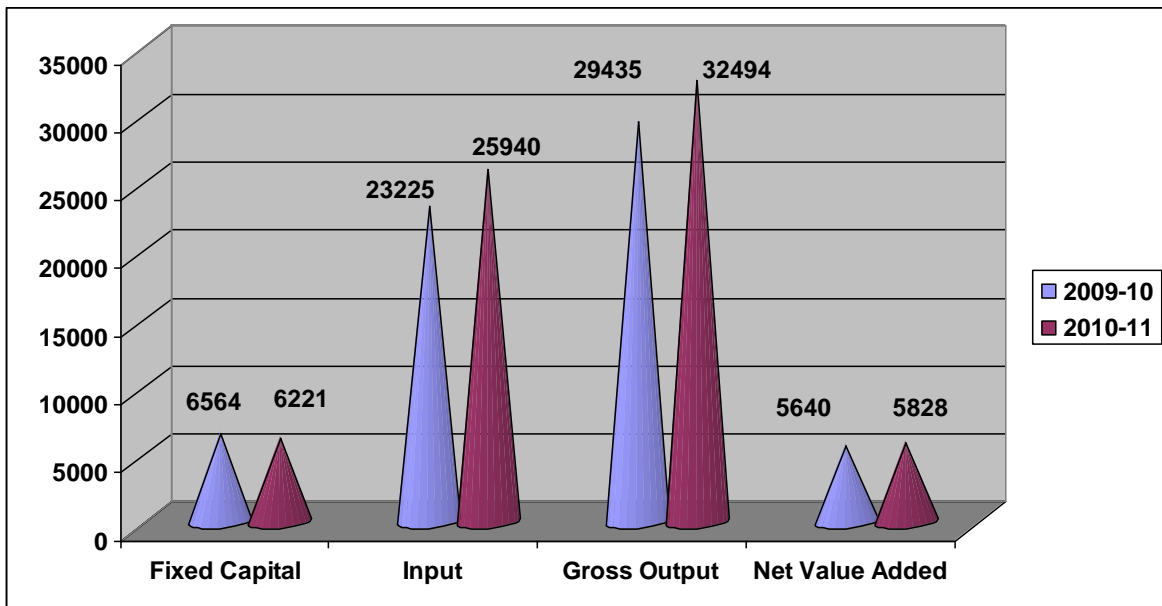
(ii) No. of workers & Persons engaged



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



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



CHAPTER – IV

DISTRIBUTION OF FACTORIES BY SIZE OF EMPLOYMENT

4.1 Table 4.1 reveals the distribution of factories in absolute and percentage terms, by employment range groups as regards certain selected characteristics associated with them. The results for the year 2010-11 are compared with the results of 2009-10.

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	
	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11
1	2	3	4	5	6	7	8	9	10	11
0-49 (%)	263 (51)	327 (56)	620 (10)	1034 (17)	4016 (10)	3789 (11)	1594 (5)	7928 (24)	247 (4)	1034 (18)
50-99 (%)	107 (21)	121 (21)	464 (7)	899 (14)	5717 (15)	5948 (16)	2631 (9)	3371 (10)	672 (12)	398 (7)
100-199 (%)	72 (14)	59 (10)	1389 (21)	625 (10)	6944 (18)	5293 (15)	7445 (25)	2883 (9)	852 (15)	771 (13)
200-499 (%)	59 (11)	53 (9)	2574 (39)	1840 (30)	10591 (27)	9338 (26)	8763 (30)	5933 (18)	2338 (42)	975 (17)
500 & above (%)	19 (3)	23 (4)	1517 (23)	1823 (29)	11623 (30)	11709 (32)	9002 (31)	12379 (38)	1531 (27)	2649 (45)
Total (%)	520 (100)	583 (100)	6564 (100)	6221 (100)	38891 (100)	36076 (100)	29435 (100)	32494 (100)	5640 (100)	5828 (100)

Figures in bracket indicate percentages

Out of the total number of 583 factories covered during 2010-11, factory units employing less than 50 persons were found to be covering 56% or 327 units of the total and this coverage was 51% or 263 units of the total in the year 2009-10. In the units employing persons in the range of 500 & above the utilization of fixed capital has increased from 23% in 2009-10 to 29% in 2010-11 and provided employment to the workers to the tune of 32% during the year 2010-11. In 2010-11 Gross output of 38% was recorded as the highest yield of the factory units that classified under the range 500 & above followed by 24% in the employment range of 0-49. The factories in the range of 500 & above generated highest Net value added during the year in consideration which was worth 45% of the total.

TABLE NO. 4.2

**PERCENTAGE GROWTH IN FACTORIES BY SIZE OF EMPLOYMENT
DURING 2010-11 OVER 2009- 10**

Employment range	Factories	Fixed capital	Workers	Gross output	Net value added
1	2	3	4	5	6
0-49	24.3	66.8	-5.7	397.4	318.6
50-99	13.1	93.8	4.0	28.1	-40.8
100-199	-18.1	-55.0	-23.8	-61.3	-9.5
200-499	-10.2	-28.5	-11.8	-32.3	-58.3
500 & above	21.1	20.2	0.7	37.5	73.0
Total	12.1	-5.2	-7.2	10.4	3.3

4.2 Table 4.2 reveals a growth of 12.1% in total number of factories covered during 2010-11 compared to 2009-10. While the number of factories covered in the employment range of 0-49 increased by 24.3%, it decreased by 18.1% in the employment range of 100-199. The maximum growth of 93.8% and 66.8% in Fixed Capital is noticed in the employment range of 50-99 and 0-49 respectively. As regards number of workers, only two employment ranges viz 50-99 & 500 & above have registered a marginal positive growth while the remaining employment ranges have registered a negative growth. The employment range of 0-49 secured a growth of 397.4% in Gross Output followed by 37.5% in 500 & above range over the year 2009-10. NVA shows a significant increase of 318.6% in 0-49 range followed by 73.0% in the 500 & above range.

TABLE NO. 4.3

STRUCTURAL RATIOS AND TECHNICAL COEFFICIENTS BY SIZE OF EMPLOYMENT

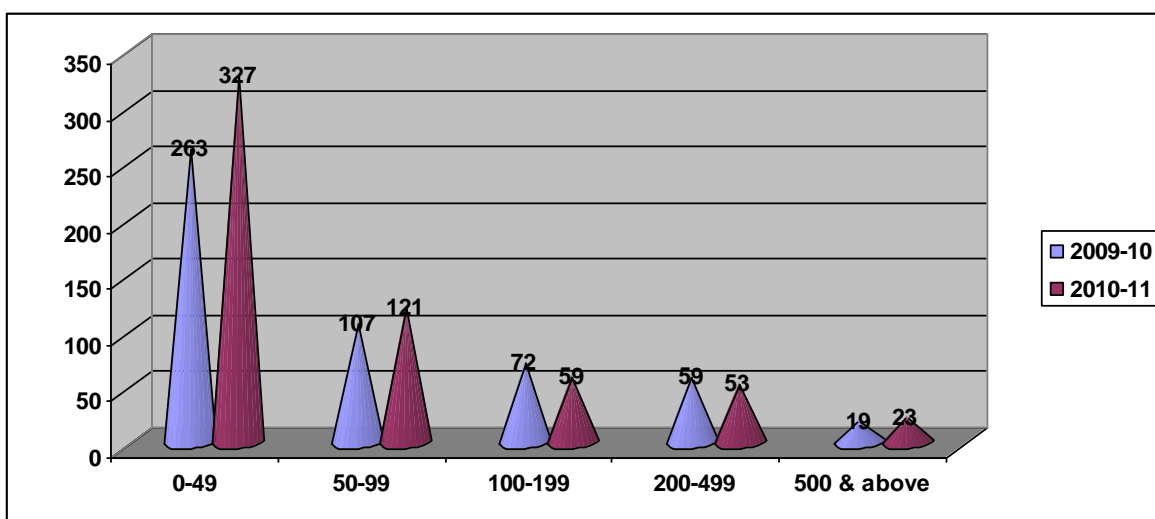
Employment range	Fixed capital per person engaged (Rs. in lakh)		Net value added per person engaged (Rs. in lakh)		Wages per worker (Rs. in lakh)		Technical Coefficient							
							FC to NVA		FC to GOP		NVA to GOP		Total Emoluments to NVA	
	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0-49	11.63	19.87	4.64	19.87	0.86	3.11	2.51	1.00	0.39	0.13	0.16	0.13	0.28	0.28
50-99	6.05	10.56	8.78	4.68	0.88	1.16	0.69	2.26	0.18	0.27	0.26	0.12	0.15	0.36
100-199	15.00	8.34	9.20	10.30	1.53	1.08	1.63	0.81	0.19	0.22	0.11	0.27	0.29	0.17
200-499	16.96	13.35	15.41	7.07	1.27	1.39	1.10	1.89	0.29	0.31	0.27	0.16	0.16	0.30
500 & above	10.63	10.04	10.72	14.59	1.44	1.60	0.99	0.69	0.17	0.15	0.17	0.21	0.19	0.15
Total	12.70	11.70	10.91	10.96	1.27	1.56	1.16	1.07	0.22	0.19	0.19	0.18	0.19	0.22

4.3 Structural ratios and technical coefficient: Important ratios and coefficients in different employment ranges are given in table 4.3. The average least value of fixed capital utilised during 2010-11 was in the range of 100-199 being Rs.8.34 lakhs, and the highest was in the range of 0-49 being Rs.19.87 lakhs. Highest value of NVA of Rs.19.87 lakhs per person engaged among all the employment ranges was generated in the employment range employing 0-49. The highest average wage remuneration was paid in the employment range of 0-49 i.e. Rs.3.11 lakh during the year 2010-11.

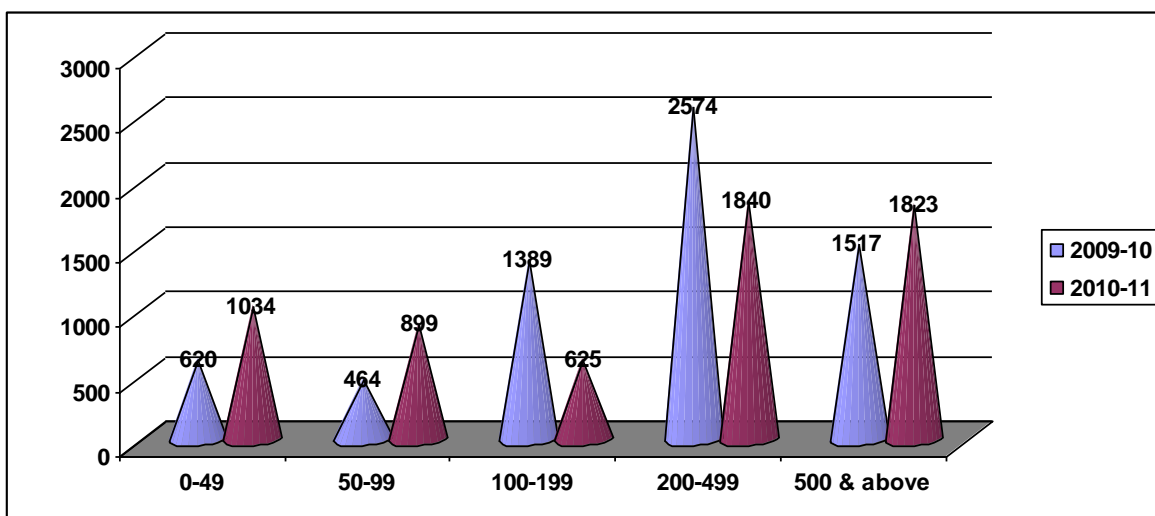
The Net value added co-efficient measured by value of Fixed Capital required to generate each rupee of net value added i.e. (FC to NVA) varies from a low value of 0.69 among factories in employment size class 500 & above to a high value of 2.26 in the employment size class of 50-99 in the year 2010-11, while FC to Gross Output ranged from 0.13 to 0.31 among the factories in the employment range class of 0-49 and 200-499 respectively during the year 2010-11. The value of NVA to Gross output was highest in 100-199 employment range. Total emoluments to NVA were ranged between 0.15 to 0.36 in the employment range of 500 & above and 50-99 respectively. In other words, 15% to 36% 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)



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

(Rs. in crore)

Capital range of Plant & Machinery (Rs. in lakh)	Factories (Number)		Fixed Capital		Workers (number)		Gross Output		Net Value Added	
	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11
1	2	3	4	5	6	7	8	9	10	11
Upto 5.0 (%)	128 (24.62)	144 (24.70)	229 (3.49)	46 (0.74)	2572 (6.61)	1676 (4.65)	211 (0.72)	293 (0.90)	37 (0.66)	50 (0.86)
5.0 - 20 (%)	28 (5.38)	43 (7.38)	12 (0.18)	37 (0.59)	840 (2.16)	719 (1.99)	62 (0.21)	162 (0.50)	19 (0.34)	36 (0.62)
20 - 50 (%)	60 (11.54)	41 (7.03)	32 (0.49)	58 (0.93)	1877 (4.83)	783 (2.17)	243 (0.83)	220 (0.68)	36 (0.64)	35 (0.60)
50 - 200 (%)	92 (17.69)	91 (15.61)	262 (3.99)	261 (4.20)	3863 (9.93)	2967 (8.22)	1811 (6.15)	1351 (4.16)	266 (4.72)	197 (3.38)
200 - 1000 (%)	111 (21.35)	147 (25.21)	702 (10.69)	946 (15.21)	7776 (19.99)	8900 (24.67)	3538 (12.02)	4767 (14.67)	682 (12.09)	1239 (21.26)
1000-5000 (%)	65 (12.5)	72 (12.35)	1279 (19.49)	1540 (24.75)	8712 (22.40)	8541 (23.68)	9319 (31.66)	10563 (32.51)	1741 (30.87)	2111 (36.22)
>5000 (%)	36 (6.92)	45 (7.72)	4048 (61.67)	3333 (53.58)	13251 (34.07)	12491 (34.62)	14250 (48.41)	15139 (46.59)	2859 (50.69)	2160 (37.06)
Total (%)	520 (100)	583 (100)	6564 (100)	6221 (100)	38891 (100)	36076 (100)	29434 (100)	32494 (100)	5640 (100)	5828 (100)

Figures in bracket indicate percentages.

The concentration of as much as 128 and 144 establishments or 24.62% and 24.70% of the total number of registered factories covered during the years 2009-10 and 2010-11 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 111 and 147 (21.35% and 25.21%) factories in number and used Rs.702 crore and Rs.946 crore (10.69% & 15.21%) of the fixed capital. Further this group engaged workforce of 7776 and 8900; it produced goods and services worth Rs.3538 crore & Rs.4767 crore and contributed Rs.682 crore & Rs.1239 crore on net value added by manufacture during the years 2009-10 and 2010-11 respectively.

The lowest number of factories covered during 2009-10 was 28 or 5.38% in the capital range of Rs.5.0-20 lakhs, and it was 41 or 7.03% during 2010-11 in the capital range of Rs.20-50 lakhs. The factories in the capital range of Rs.5000 lakh and above utilized fixed capital worth Rs.4048 crore & Rs.3333 crores (61.67% and 53.58% each), which provided employment to 13251 and 12491 (34.07% & 34.62%) persons during 2009-10 & 2010-11 respectively. The contribution of the factories of above Rs.5000 lakh capital range towards gross output was to the tune of Rs.14250 crore and Rs.15139 crore or 48.41% & 46.59% and the net value added by manufacture was Rs.2859 crore or 50.69% and Rs.2160 crore or 37.06% respectively during the years compared.

The lowest fixed capital of Rs.12 crore (0.18%) during 2009-10 and Rs.37 crore (0.59%) during the year 2010-11 were noticed in the capital range of Rs.5.0-20 lakh. The least number of workers employed were 840 and 719 workers in the capital range of Rs.5.0-20 lakh during the years 2009-10 & 2010-11 respectively who produced goods/services of the value of Rs.62 crores and Rs.162 crore contributing to the net income in the form of net value added of the order of Rs.19 crore and Rs.36 crore of the total net value added during the years 2009-10 and 2010-11.

TABLE NO. 5.2

**PERCENTAGE GROWTH IN PRINCIPAL CHARACTERISTICS BY
SIZE OF CAPITAL DURING 2010-11 OVER 2009-10**

Capital range of Plant & Machinery (Rs. in lakh)	Factories	Fixed Capital	Workers	Gross Output	Net Value Added
1	2	3	4	5	6
Upto 5.0	12.5	-79.9	-34.8	38.9	35.1
5.0 - 20	53.6	208.3	-14.4	161.3	89.5
20 - 50	-31.7	81.3	-58.3	-9.5	-2.8
50 - 200	-1.1	-0.4	-23.2	-25.4	-25.9
200 - 1000	32.4	34.8	14.5	34.7	81.7
1000-5000	10.8	20.4	-2.0	13.3	21.3
>5000	25.0	-17.7	-5.7	6.2	-24.4
Total	12.1	-5.2	-7.2	10.4	3.3

Growth: Table 5.2 exhibits the growth in factories during the year 2010-11 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.5.0-20 lakh have registered highest growth of 53.6% followed by 32.4% in Rs.200-1000 lakh capital range. However, there was negative growth in number of factories during 2010-11 over 2009-10 in the capital ranges of Rs.20-50 lakh & Rs.50-200 lakh.

The maximum growth of 208.3% in Fixed capital was noticed in the employment range of Rs.5.0-20 lakh followed by 81.3% in the range of Rs.20-50 lakhs. The highest growth in the number of workers employed was in the capital range of Rs.200-1000 lakh. Gross output grew by 161.3% in the capital range of Rs.5.0-20 lakhs. Maximum growth in net value added i.e.89.5% was observed in the factories investing in plant and machinery in capital range Rs.5.0-20 lakhs. The growth in net value added varied

from -25.9% to 89.5% over the different capital ranges of investment in Plant and Machinery with average growth for all the units registering at 3.3%.

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	
	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Upto 5.0	7.51	2.22	1.21	2.42	0.64	0.81	6.21	0.92	1.09	0.16	0.18	0.17	0.69	0.41
5.0 - 20	1.23	3.91	1.99	3.80	0.49	0.80	0.62	1.03	0.19	0.23	0.31	0.22	0.30	0.53
20 - 50	1.41	5.18	1.56	3.13	0.51	1.03	0.90	1.65	0.13	0.27	0.15	0.16	0.55	0.46
50 - 200	5.06	5.62	5.12	4.23	0.91	1.21	0.99	1.33	0.14	0.19	0.15	0.15	0.26	0.36
200 - 1000	6.09	7.63	5.92	9.99	0.98	1.14	1.03	0.76	0.20	0.20	0.19	0.26	0.29	0.21
1000 - 5000	10.78	11.20	14.67	15.35	1.13	2.11	0.73	0.73	0.14	0.15	0.19	0.20	0.13	0.21
>5000	24.07	18.31	17.01	11.87	1.91	1.73	1.42	1.54	0.28	0.22	0.20	0.14	0.19	0.20
Total	12.70	11.70	10.91	10.96	1.27	1.56	1.16	1.07	0.22	0.19	0.19	0.18	0.19	0.22

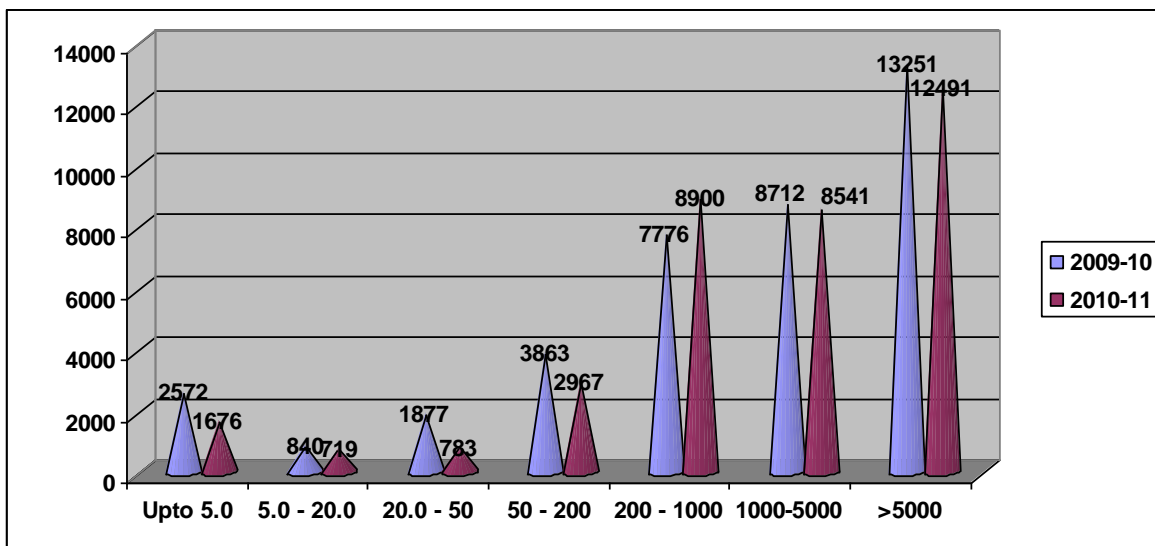
The lowest and the highest ratio for Fixed Capital per person engaged during 2009-10 was Rs.1.23 lakh and Rs.24.07 lakh in the capital range of Rs.5.0-20 lakh and above Rs.5000 lakh respectively, while during 2010-11 it was Rs.2.22 lakh and Rs.18.31 lakh in the capital ranges of upto Rs.5 lakh and above Rs.5000 lakh respectively. The Net value added contributed by each person engaged was as high as Rs.17.01 lakh and Rs.15.35 lakh in the factories of the capital range of above Rs.5000 lakh and Rs.1000- 5000 lakh range for the year 2009-10 and 2010-11 respectively and the lowest being Rs.1.21 lakh and Rs.2.42 lakh in the capital range of Upto Rs.5 lakhs.

The workers employed in the capital range investment of above Rs.5000 lakh & Rs.1000-5000 lakh were paid average highest remuneration to the tune of Rs.1.91 lakh and Rs.2.11 lakh per annum during the respective years, average remuneration of all the capital ranges being Rs.1.27 lakh and Rs.1.56 Lakh respectively for the years under consideration.

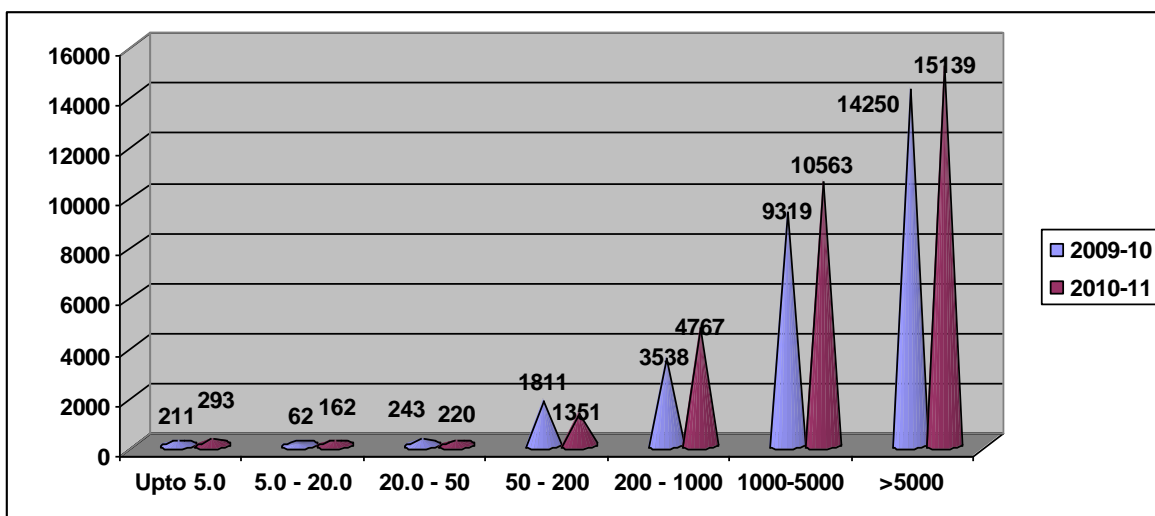
As far as co-efficient is concerned, least Fixed Capital utilized to generate Net Value Added worth a rupee noted during 2009-10 and 2010-11 was 0.62 and 0.73 in the capital range Rs.5.0 - 20 lakh and Rs.1000 - 5000 lakh. However, the highest was in the range of upto Rs.5 lakh i.e. 6.21 during 2009-10 and in the year 2010-11 was 1.65 in the capital range of Rs.20 - 50 lakh. The highest Fixed Capital utilized to produce Gross Output was 0.27 in the range of Rs.20-50 lakh, and the least was 0.15 which falls in the range of Rs.1000-5000 lakh for the year 2010-11. The Highest NVA to GOP was in the range of Rs.200-1000 lakh i.e. 0.26 and lowest was in the range of above Rs.5000 lakh being 0.14 for the current year.

PRINCIPAL CHARACTERISTICS BY SIZE OF CAPITAL

(i) No. of workers



(ii) Gross Output (Rs. in crores)



CHAPTER – VI

DISTRIBUTION OF FACTORIES BY TYPE OF OWNERSHIP

Principal Characteristics : Table No.6.1 indicate the distribution of factories canvassed during the years 2009-10 and 2010-11 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	
	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11
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
(%)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
2. Wholly State Govt.	2	2	5	6	158	146	24	32	-36	11
(%)	(0.38)	(0.34)	(0.08)	(0.10)	(0.41)	(0.40)	(0.08)	(0.10)	(-0.64)	(0.19)
3. Central & State/local Govt	0	0	0	0	0	0	0	0	0	0
(%)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
4. Public Sector (1+2+3)	2	2	5	6	158	146	24	32	-36	11
(%)	(0.38)	(0.34)	(0.08)	(0.10)	(0.41)	(0.40)	(0.08)	(0.10)	(-0.64)	(0.19)
5. Joint Sector (Public)	11	23	495	821	4086	6485	1520	3190	450	1225
(%)	(2.12)	(3.95)	(7.54)	(13.20)	(10.51)	(17.98)	(5.16)	(9.82)	(7.98)	(21.02)
6. Joint Sector (Private)	3	15	8	95	235	724	102	347	2	160
(%)	(0.58)	(2.57)	(0.12)	(1.53)	(0.60)	(2.01)	(0.35)	(1.07)	(0.04)	(2.75)
7. Joint Sector (5+6)	14	38	503	916	4321	7209	1622	3537	452	1385
(%)	(2.69)	(6.52)	(7.66)	(14.72)	(11.11)	(19.98)	(5.51)	(10.89)	(8.01)	(23.76)
8. Wholly Private	504	543	6056	5299	34413	28722	27789	28925	5188	4432
(%)	(96.92)	(93.14)	(92.26)	(85.18)	(88.48)	(79.62)	(94.41)	(89.02)	(91.99)	(76.05)
Total	520	583	6564	6221	38891	36076	29435	32494	5640	5828
(%)	(100.00)	(100.00)	(100.00)	(100.00)	(100.00)	(100.00)	(100.00)	(100.00)	(100.00)	(100.00)

Figures in bracket indicate percentages

It may be observed that a very large in number viz. 504 and 543 or 96.92% and 93.14% 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 34413 and 28722 workers during the years under discussion, which works out to 88.48% & 79.62% for both the years, utilized fixed capital worth Rs.6056 crore (92.26%) and Rs.5299 crore (85.18%) and thereby produced goods/services worth Rs.27789 crore (94.41%) and Rs.28925 crore (89.02%) which accounted for increasing the level of income of the state in the form of net value added by Rs.5188 crore (91.99%) and Rs.4432 crore (76.05%) respectively of the total for both the years i.e. 2009-10 and 2010-11.

As against these the public sector factories either owned wholly or jointly by the Central, State or Local Governments were only 2 in numbers (0.38% and 0.34%) of the total factories during the year 2009-10 and 2010-11 respectively. These factories controlled Rs.5 crore and Rs.6 crore or (0.08%) and (0.10%) of the total fixed capital and engaged 158 or (0.41%) and 146 or (0.40%) of the total workforce respectively in the registered factories sector during 2009-10 and 2010-11 respectively. Their shares in the total gross output and net value added were Rs.24 crore and Rs.32 crore or (0.08%) and (0.10%) and Rs.-36 crore or (-0.64%) and Rs.11 crore or (0.19%) of the respective totals.

The third sector i.e. Joint sector covered 14 and 38 factories each, utilized fixed capital worth Rs.503 crore and Rs.916 crore, engaged 4321 and 7209 workers manufactured products of the value of Rs.1622 crore and Rs.3537 crore during both the years. The Net Value Added generated was of the order of Rs.452 crore and Rs.1385 crore respectively during the year 2009-10 and 2010-11.

TABLE NO. 6.2

**PERCENTAGE GROWTH IN PRINCIPAL CHARACTERISTICS BY
TYPE OF OWNERSHIP DURING 2010-11 OVER 2009-10**

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.	0.00	20.00	-7.59	33.33	1100.00
3. Central & State/local Govt.	--	--	--	--	--
4. Public Sector (1+2+3)	0.00	20.00	-7.59	33.33	1100.00
5. Joint Sector (Public)	109.09	65.86	58.71	109.87	172.22
6. Joint Sector (Private)	400.00	1087.50	208.09	240.20	7900.00
7. Joint Sector (5+6)	171.43	82.11	66.84	118.06	206.42
8. Wholly Private	7.74	-12.50	-16.54	4.09	-14.57
Total	12.12	-5.23	-7.24	10.39	3.33

Growth: As compared to 2009-10, the number of factories in the wholly private sector during 2010-11 has increased by 39 i.e. (7.74%) but declined in the fixed capital by 12.50%. It also registered a decline of 16.54% in number of workers, produced goods and services with a growth of 4.09%, thereby generating net value added which was lower by 14.57% over 2009-10. Under Public sector, while there was an increase of 20% in the fixed capital and a growth of 33.33% and 1100% in gross output and net value added, the number of workers declined by 7.59%, leaving the growth in the number of factories at constant over the year 2009-10. Similarly, under Joint Sector all categories have shown a positive growth.

TABLE NO. 6.3

STRUCTURAL RATIOS AND TECHNICAL COEFFICIENTS BY TYPE OF OWNERSHIP

Type of Ownership	Fixed capital per person engaged (Rs. in lakh)		Net value added per person engaged (Rs. in lakh)		Wages per worker (Rs. in lakh)		Technical Coefficient							
							FC to NVA		FC to GOP		NVA to GOP		Total Emoluments to NVA	
	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1. Wholly Central Govt.	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2. Wholly State Govt.	2.12	2.50	-0.14	4.86	1.22	2.02	-15.14	0.52	0.23	0.17	-0.01	0.34	-10.28	0.50
3. Central & State/local Govt.	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4. Public Sector (1+2+3)	2.12	2.50	-0.14	4.86	1.22	2.02	-15.14	0.52	0.23	0.17	-0.01	0.34	-10.28	0.50
5. Joint Sector (Public)	10.24	9.69	9.31	14.46	0.99	0.96	1.10	0.67	0.33	0.26	0.30	0.38	0.15	0.10
6. Joint Sector (Private)	2.44	7.53	0.78	12.61	1.45	1.02	3.11	0.60	0.07	0.28	0.02	0.46	2.25	0.11
7. Joint Sector (5+6)	9.76	9.41	8.79	14.22	1.02	0.97	1.11	0.66	0.31	0.26	0.28	0.39	0.16	0.11
8. Wholly Private	13.08	12.27	11.21	10.26	1.30	1.70	1.17	1.20	0.22	0.18	0.19	0.15	0.19	0.25
Total	12.70	11.70	10.91	10.96	1.27	1.56	1.16	1.07	0.22	0.19	0.19	0.18	0.19	0.22

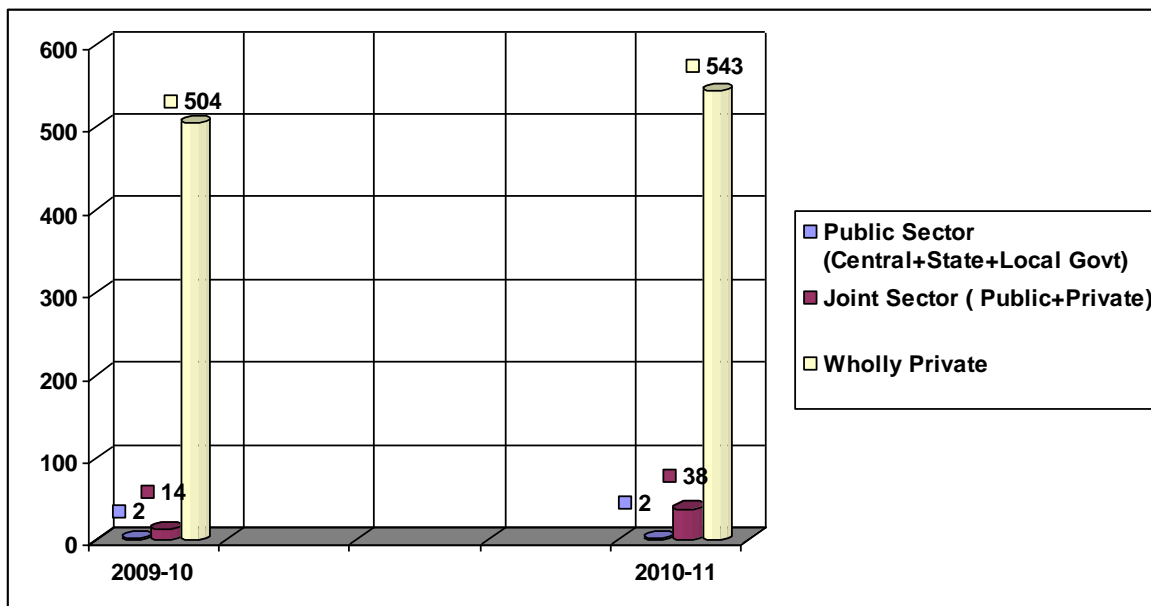
Structural ratios and technical coefficients: Certain structural ratios and technical coefficients for each type of ownership are given in table 6.3. On an average each person engaged in wholly private sector generated an income in the form of net value added which was worth Rs.11.21 lakh and Rs.10.26 lakh during both the years. It utilized fixed capital worth Rs.13.08 lakh and Rs.12.27 lakh respectively during 2009-10 & 2010-11, but the remuneration paid to each worker in this profit oriented sector was of the order of Rs.1.30 lakh and Rs.1.70 lakh respectively during both the years.

The net value added for each rupee of gross output produced in public sector has increased from -1 paise in 2009-10 to 34 paise in 2010-11. Each rupee of gross output produced came from utilization of fixed capital worth 23 paise and 17 paise respectively during 2009-10 & 2010-11 in Public Sector and it was 22 paise & 18 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.-15.14 and Rs.0.52 respectively during 2009-10 and 2010-11 in public sector, while it was Rs.1.17 and Rs.1.20 in wholly private sector during respective years.

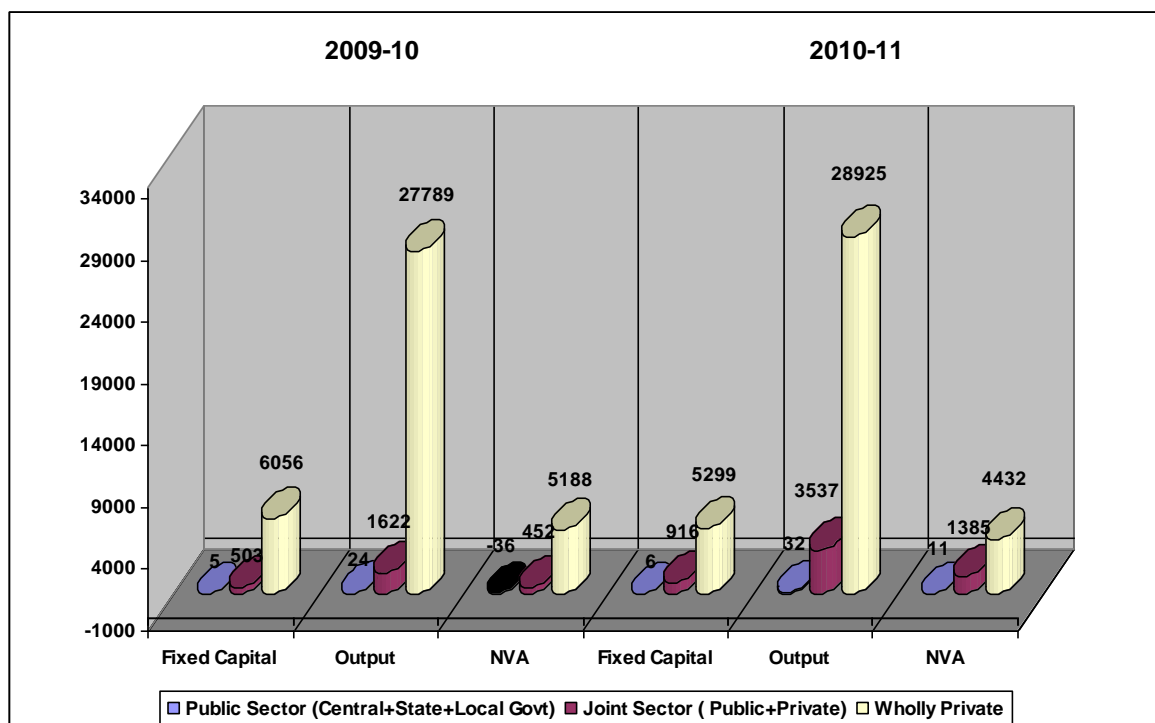
Among all the sectors, the average emoluments paid to a person engaged in production activity in relation to NVA generated was higher in Joint sector private in 2009-10 and in Public sector State during 2010-11.

Principal Characteristics by Type of Ownership

(i) No. of Factories



(ii) Comparison of important characteristics by Type of Ownership



CHAPTER – VII

DISTRIBUTION OF FACTORIES BY TYPE OF ORGANISATION

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

Type of Organisation		(Value in Rs. Crore)									
		Factories (Number)		Fixed Capital		Workers (number)		Gross Output		Net Value Added	
		2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11
1	2	3	4	5	6	7	8	9	10	11	12
1	Individual proprietorship (%)	79 (15.19)	124 (21.27)	65 (0.99)	41 (0.66)	1334 (3.43)	1283 (3.56)	240 (0.82)	247 (0.76)	72 (1.28)	57 (0.98)
2	Joint Family (%)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)
3	Partnership (%)	0 (0.00)	68 (11.66)	0 (0.00)	49 (0.79)	0 (0.00)	1886 (5.23)	0 (0.00)	420 (1.29)	0 (0.00)	77 (1.32)
4	Public Limited Company (%)	78 (15)	141 (24.19)	54 (0.82)	3803 (61.13)	2604 (6.70)	19643 (54.45)	275 (0.93)	19677 (60.56)	61 (1.08)	4057 (69.61)
5	Private Limited Company (%)	92 (17.69)	248 (42.54)	3843 (58.55)	2322 (37.33)	16691 (42.92)	13021 (36.09)	14982 (50.90)	12099 (37.23)	2702 (47.91)	1634 (28.04)
6	Corporate Sector (4+5) (%)	170 (32.69)	389 (66.72)	3897 (59.37)	6125 (98.46)	19295 (49.61)	32664 (90.54)	15257 (51.83)	31776 (97.79)	2763 (48.99)	5691 (97.65)
7	Khadi & Village Industry (%)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)
8	Co-operative Society (%)	264 (50.77)	2 (0.34)	2588 (39.43)	5 (0.08)	17726 (45.58)	243 (0.67)	13811 (46.92)	52 (0.16)	2800 (49.65)	3 (0.05)
9	Others (including Trusts, Wakf Boards, etc.)	7 (1.35)	0 (0.00)	14 (0.21)	0 (0.00)	536 (1.38)	0 (0.00)	127 (0.43)	0 (0.00)	5 (0.09)	0 (0.00)
Total		520	583	6564	6221	38891	36076	29435	32494	5640	5828
(%)		(100.00)	(100.00)	(100.00)	(100.00)	(100.00)	(100.00)	(100.00)	(100.00)	(100.00)	(100.00)

Figures in brackets indicate percentages

The corporate sector accounted for 170 and 389 factories or 32.69% and 66.72% of the total number of factories and held fixed capital amounting to Rs.3897 crore and Rs.6125 crore comprising 59.37% and 98.46% of the total fixed capital and employed 19295 and 32664 workers i.e. 49.61% & 90.54% of the total during the years considered. The contribution of this sector to the value of output was of the order of 52% & 98% during the years respectively, while net value added was Rs.2763 crore and Rs.5691 crore (49% & 98%) of the total.

Under the corporate sector, the number of factories classified under Private limited company/ organizations were 17.69% and 42.54% of the total during the year 2009-10 & 2010-11 respectively. They utilized 59% and 37% of the fixed capital, their contribution to the value of output and NVA was 51% and 37% and 48% & 28% respectively and employed 43% & 36% of the total workers to carry out the production activity during the year 2009-10 & 2010-11.

Table No. 7.2

**PERCENTAGE GROWTH IN PRINCIPAL CHARACTERISTICS BY
TYPE OF ORGANISATION DURING 2010-11 OVER 2009-10**

Type of Organisation	Factories	Fixed Capital	Workers	Output	Net Value Added
1	2	3	4	5	6
1. Individual Proprietorship	56.96	-36.92	-3.82	2.92	-20.83
2. Joint Family	N/A	N/A	N/A	N/A	N/A
3. Partnership	0	0	0	0	0
4. Public limited company	80.77	6942.59	654.34	7055.27	6550.82
5. Private limited company	169.57	-39.58	-21.99	-19.24	-39.53
6. Corporate Sector	128.82	57.17	69.29	108.27	105.97
7. Khadi & Village Industry	N/A	N/A	N/A	N/A	N/A
8. Cooperative society	-99.24	-99.81	-98.63	-99.62	-99.89
9. Others (including Trusts, Wakf Boards, etc.)	-100.00	-100.00	-100.00	-100.00	-100.00
Total	12.12	-5.23	-7.24	10.39	3.33

Growth: It may be observed that the corporate sector has dominated the composition of factories and has increased by 129% in number of factories, 57% in fixed capital, 108% in the gross output, 106% in the net value added and 69% in the number of workers has declined during the year 2010-11 over 2009-10. Within the corporate sector, in public limited company sector all the characteristics like no. of factories, fixed capital number of workers, output and net value added has shown positive growth. In Cooperative society sector, there was drastic decline in the characteristics considered during 2010-11 over 2009-10.

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	
	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11	2009-10	2010-11
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1. Individual Proprietorship	4.23	2.56	4.68	3.52	0.52	0.73	0.90	0.73	0.27	0.17	0.30	0.23	0.14	0.27
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	2.14	0.00	3.33	0.00	0.80	0.00	0.64	0.00	0.12	0.00	0.18	0.00	0.32
4. Public limited company	1.76	13.65	2.01	14.56	0.43	1.55	0.88	0.94	0.20	0.19	0.22	0.21	0.30	0.15
5. Private limited company	17.55	11.04	12.34	7.77	1.74	1.75	1.42	1.42	0.26	0.19	0.18	0.14	0.24	0.36
6. Corporate Sector	15.62	12.53	11.08	11.64	1.56	1.63	1.41	1.08	0.26	0.19	0.18	0.18	0.24	0.21
7. Khadi & Village Industry	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
8. Cooperative society	10.56	1.57	11.43	0.83	1.00	1.74	0.92	1.89	0.19	0.10	0.20	0.05	0.14	2.40
9. Others (including Trusts, Wakf Boards, etc.)	2.08	0.00	0.71	0.00	1.22	0.00	2.92	0.00	0.12	0.00	0.04	0.00	2.01	0.00
Total	12.70	11.70	10.91	10.96	1.27	1.56	1.16	1.07	0.22	0.19	0.19	0.18	0.19	0.22

Structural ratios and technical co- efficient: A comparison of various ratios and technical coefficients of factories classified by type of organization during 2009-10 and 2010-11 are given in table No. 7.3.

During 2009-10 and 2010-11, in the corporate sector, the fixed capital worth of Rs.15.62 lakh and Rs.12.53 lakh were utilized by each person engaged. Within the corporate sector in the public limited company, the fixed capital worth of Rs.1.76 lakh and Rs.13.65 lakh were utilized by each person engaged and it was Rs.17.55 lakh and Rs.11.04 lakh in the private limited company during 2009-10 and 2010-11 respectively. Wages paid per worker of Rs.1.74 lakh during 2009-10 and Rs.1.75 lakh during 2010-11 was highest for both the years in Private Limited Company. Average emoluments paid in relation to generation of NVA of each rupee has increased from 0.19 in 2009-10 to 0.22 in 2010-11.

Annual Survey Of Industries, 2010-11										
Annexure - 1.0 - Selected Characteristics by Major Industries (Industry Code Numbers)										
						(Value in lakh, others in numbers)				
Characteristics	All	102	103	104	105	107	110	139	170	181
1. Number Of Factories	583	8	3	3	6	33	36	14	29	14
2. Factories In Operation	520	8	3	3	6	21	33	14	24	7
3. Fixed Capital	622109	2753	174	1655	8019	38378	24988	7916	8218	14540
4. Physical Working Capital	550317	415	248	1482	1675	10417	11113	4970	4030	1368
5. Working Capital	514155	2190	991	1157	438	9773	60020	8087	1165	4169
6. Invested Capital	1172426	3168	422	3138	9695	48795	36101	12886	12248	15908
7. Gross Value Of Addition To Fixed Capital	170669	474	47	598	888	14994	3768	2194	4878	6220
8. Rent Paid For Fixed Assets	20828	34	0	40	17	137	100	45	105	59
9. Outstanding Loan	413882	1466	694	490	1254	3996	48901	612	1473	11069
10. Interest Paid	32989	193	95	0	121	390	1174	203	501	667
11. Rent Received For Fixed Assets	1188	0	0	0	0	60	23	17	8	23
12. Interest Received	10397	40	6	11	2	11	14	64	2	75
13. Gross Value Of Plant & Machinery	697172	2516	0	1416	5374	37169	19458	14489	6850	13344
14. Value Of Product And By-Product	2705930	39159	1732	4722	6255	120377	37914	146709	15472	22772
15. Total Output	3249409	42288	1771	4749	6542	120876	53304	146818	15703	25962
16. Fuels Consumed	123693	687	25	54	346	3777	2726	1003	333	669
17. Materials Consumed	1879624	36679	1149	2856	4557	53261	19388	35786	12524	18314
18. Total Inputs	2593958	38221	1225	3698	5311	60717	38399	45819	14157	20858
19. Gross Value Added	655451	4067	546	1051	1231	60159	14905	100999	1546	5104
20. Depreciation	72699	326	24	135	505	2740	3048	1199	359	1695
21. Net Value Added	582752	3740	523	916	726	57418	11857	99800	1186	3408
22. Net Fixed Capital Formation	55340	143	25	-303	381	11364	393	921	4433	4511
23. Gross Fixed Capital Formation	128039	469	49	-169	885	14104	3442	2120	4792	6207
24. Addition in Stock of	64236	-18	-86	1159	910	4536	-1970	2048	1318	173
(a) Materials, Fuels etc.	20877	-93	-53	1140	829	3399	-1446	313	592	158
(b) Semi Finished Goods	10001	-25	0	0	222	93	495	123	742	32
(c) Finished Goods	33358	100	-33	19	-141	1044	-1019	1612	-16	-17
25. Gross Capital Formation	192276	450	-37	990	1796	18641	1471	4168	6110	6380
26. Income	528936	3513	428	876	588	56892	10583	99553	581	2683
27. Profit	380745	2495	228	565	27	52691	6551	97814	-741	1219

Annual Survey Of Industries, 2010-11
Annexure - 1.0 - Selected Characteristics by Major Industries (Industry Code Numbers)

(Value in lakh, others in numbers)

Characteristics	191	201	202	210	221	222	231	239	241	242	251
1. Number Of Factories	4	15	29	59	8	47	4	22	54	12	11
2. Factories In Operation	3	12	29	59	8	47	4	9	46	12	11
3. Fixed Capital	8002	24871	22727	147990	9544	43253	14897	1859	47497	20791	2337
4. Physical Working Capital	34216	72272	10360	85396	5928	46166	4863	1266	75448	7637	1627
5. Working Capital	2080	88020	9242	160347	-432	-35462	2201	805	36944	-11129	486
6. Invested Capital	42219	97143	33086	233386	15471	89419	19761	3125	122945	28428	3965
7. Gross Value Of Addition To Fixed Capital	340	6374	8616	47293	6280	23611	1256	94	5904	780	446
8. Rent Paid For Fixed Assets	327	1200	381	1678	2	2838	15	26	953	2	26
9. Outstanding Loan	5403	40560	529	26129	25	118970	7134	5	39854	18510	3673
10. Interest Paid	211	3875	31	1416	11	1382	1488	2	5695	1112	783
11. Rent Received For Fixed Assets	0	208	1	71	6	41	0	0	548	10	0
12. Interest Received	88	4794	123	1394	4	268	8	5	875	92	0
13. Gross Value Of Plant & Machinery	16668	39746	22398	112527	25416	83389	25482	1793	60057	28943	1684
14. Value Of Product And By-Product	69061	269356	91329	419835	140135	431913	16151	9978	258158	86677	3478
15. Total Output	70083	542568	92706	537228	140642	448761	16559	10786	268558	87289	4973
16. Fuels Consumed	187	23245	9834	13578	6536	3618	2721	283	35867	9608	100
17. Materials Consumed	54503	229359	92884	171303	75804	386879	6356	5876	206958	82928	1698
18. Total Inputs	57141	522708	105164	310032	84965	417180	12203	7205	258121	95063	3254
19. Gross Value Added	12942	19860	-12458	227196	55677	31581	4356	3581	10437	-7774	1719
20. Depreciation	2409	2521	3552	14136	1580	11476	1992	193	4214	1781	156
21. Net Value Added	10533	17338	-16009	213061	54097	20105	2365	3389	6223	-9555	1562
22. Net Fixed Capital Formation	-2092	3809	1190	19148	4633	11968	-743	-120	1194	-1265	190
23. Gross Fixed Capital Formation	317	6330	4742	33284	6213	23444	1249	73	5407	515	347
24. Addition in Stock of	19366	33947	4078	17284	-263	-10603	-117	-47	-24993	-2324	209
(a) Materials, Fuels etc.	17818	12394	2150	3429	-64	-3148	900	-60	-37641	374	140
(b) Semi Finished Goods	-142	-399	456	5976	-509	787	-45	-1	29	-1717	81
(c) Finished Goods	1690	21952	1472	7879	310	-8242	-972	14	12619	-981	-12
25. Gross Capital Formation	19682	40277	8820	50567	5950	12841	1132	25	-19586	-1808	556
26. Income	9994	12263	-16421	209967	54085	15885	862	3362	-425	-10669	753
27. Profit	8482	3756	-21216	177244	48920	-2182	-1305	2722	-9520	-12449	292

Annual Survey Of Industries, 2010-11
Annexure - 1.0 - Selected Characteristics by Major Industries (Industry Code Numbers)

(Value in lakh, others in numbers)

Characteristics	259	261	262	263	265	271	273	275	279	281
1. Number Of Factories	13	9	5	3	8	9	11	9	4	12
2. Factories In Operation	12	7	5	3	8	9	10	8	4	12
3. Fixed Capital	2590	1427	9644	939	1400	6090	36325	1517	525	3850
4. Physical Working Capital	1662	579	4832	330	4607	5314	25466	2973	787	5320
5. Working Capital	4436	664	7707	885	12845	1958	62235	191	1071	4284
6. Invested Capital	4253	2005	14476	1268	6007	11404	61790	4490	1312	9171
7. Gross Value Of Addition To Fixed Capital	711	350	797	83	325	1183	10458	217	59	1077
8. Rent Paid For Fixed Assets	8	11	197	2	98	228	732	21	20	196
9. Outstanding Loan	133	444	0	139	239	3010	13338	142	99	1484
10. Interest Paid	23	22	70	63	605	458	868	8	29	303
11. Rent Received For Fixed Assets	1	0	27	61	0	3	20	24	0	0
12. Interest Received	30	1	46	35	26	86	145	0	1	35
13. Gross Value Of Plant & Machinery	2692	2174	4258	1169	1004	4941	41175	1625	484	1975
14. Value Of Product And By-Product	10817	4642	40258	2614	29650	21310	104465	31436	2412	20076
15. Total Output	12412	4777	52403	3102	29950	22990	131795	31758	2640	20484
16. Fuels Consumed	263	102	193	91	92	219	2228	185	31	144
17. Materials Consumed	6587	3104	30018	1893	20269	18376	92888	25209	1491	14272
18. Total Inputs	8012	3612	42460	2364	24180	21423	113973	26290	1762	16174
19. Gross Value Added	4400	1165	9943	738	5770	1567	17822	5468	878	4310
20. Depreciation	277	160	2037	144	167	600	4102	119	85	403
21. Net Value Added	4122	1004	7906	594	5604	967	13720	5349	792	3907
22. Net Fixed Capital Formation	241	186	-1324	-117	70	519	1337	93	-28	630
23. Gross Fixed Capital Formation	518	347	713	27	236	1119	5440	211	57	1034
24. Addition in Stock of	308	142	-4111	16	551	2392	563	750	323	217
(a) Materials, Fuels etc.	275	131	-3106	41	717	2176	-390	203	268	156
(b) Semi Finished Goods	20	15	48	19	-166	100	490	68	23	17
(c) Finished Goods	13	-4	-1053	-44	0	116	463	479	32	44
25. Gross Capital Formation	827	488	-3399	43	786	3510	6002	962	380	1251
26. Income	4091	971	7640	529	4901	281	12121	5319	744	3408
27. Profit	2885	191	3410	157	955	-1523	7646	4268	556	1286

Annual Survey Of Industries, 2010-11
Annexure - 1.0 - Selected Characteristics by Major Industries (Industry Code Numbers)

(Value in lakh, others in numbers)

Characteristics	282	292	293	301	303	310	325	329	331	Other
1. Number Of Factories	6	7	4	12	3	9	15	4	3	28
2. Factories In Operation	6	7	4	11	3	9	15	3	3	26
3. Fixed Capital	12616	4542	423	22000	1131	1222	27061	2500	56	35845
4. Physical Working Capital	10289	3270	640	42555	189	582	51592	1323	1	7107
5. Working Capital	5068	9283	1053	-6925	239	535	41357	1786	95	24296
6. Invested Capital	22905	7812	1063	64555	1320	1804	78653	3822	57	42950
7. Gross Value Of Addition To Fixed Capital	6459	530	118	4714	297	137	3412	585	14	4088
8. Rent Paid For Fixed Assets	243	16	6	844	6	6	9910	36	5	259
9. Outstanding Loan	155	391	90	16085	375	16	35451	254	3	11286
10. Interest Paid	823	44	21	1594	39	14	6949	9	1	1699
11. Rent Received For Fixed Assets	2	17	0	11	0	0	0	0	0	5
12. Interest Received	934	379	3	89	0	19	156	96	2	435
13. Gross Value Of Plant & Machinery	17779	5151	610	28358	1609	303	15335	3399	0	44413
14. Value Of Product And By-Product	40890	33899	6026	50630	2453	1983	45336	9040	30	56781
15. Total Output	54720	34353	6558	57735	2509	2143	47999	9770	328	82820
16. Fuels Consumed	171	528	48	616	42	25	1201	420	10	1890
17. Materials Consumed	32490	23990	4220	30943	1235	1575	24712	4596	77	42619
18. Total Inputs	44225	26882	5047	45184	1456	1865	32314	8450	174	66670
19. Gross Value Added	10495	7471	1511	12551	1053	278	15685	1320	154	16150
20. Depreciation	1042	379	49	2511	181	70	3048	240	6	3038
21. Net Value Added	9453	7093	1462	10039	872	208	12637	1079	149	13111
22. Net Fixed Capital Formation	3391	14	68	2086	48	61	-12271	210	8	336
23. Gross Fixed Capital Formation	4433	393	118	4597	229	131	-9223	450	14	3377
24. Addition in Stock of	982	-577	334	1580	-81	150	14861	313	0	922
(a) Materials, Fuels etc.	719	-652	270	-873	-40	118	18880	231	0	623
(b) Semi Finished Goods	346	129	111	2453	-56	23	-29	57	0	137
(c) Finished Goods	-83	-54	-47	0	15	9	-3990	25	0	162
25. Gross Capital Formation	5415	-184	451	6177	148	281	5638	763	14	4296
26. Income	8387	7034	1435	7600	827	189	-4222	1034	143	11153
27. Profit	5109	3166	955	4572	580	-147	-14237	-51	111	5264

Annual Survey of Industries, 2010-11
Annexure 1.1 - Principal Characteristics by Major Economic Activities

Sl. No	Principal Characteristics	Unit	Manufacturing		Others		All	
			2009-10	2010-11	2009-10	2010-11	2009-10	2010-11
1	2	3	4	5	6	7	8	9
1	Factories	Number	498	555	22	28	520	583
2	Fixed Capital	Rs. in crore	6295	5863	269	358	6564	6221
3	Invested Capital	Rs. in crore	12934	11295	278	430	13212	11724
4	Workers	Number	37871	34613	1020	1463	38891	36076
5	Total persons engaged	Number	50397	50905	1300	2247	51697	53152
6	Wages to workers	Rs. in crore	485	542	8	20	493	562
7	Total Emoluments	Rs. in crore	1068	1212	15	53	1083	1265
8	Total Input	Rs. in crore	22884	25273	341	667	23225	25940
9	Gross Output	Rs. in crore	28994	31666	441	828	29435	32494
10	Depreciation	Rs. in crore	550	697	19	30	569	727
11	Net Value Added	Rs. in crore	5560	5696	80	131	5640	5828
12	Net Income	Rs. in crore	5129	5178	68	112	5197	5289

Annual Survey of Industries, 2010-11
Annexure 1.2 - Principal Characteristics by Major Economic Activities
(Percentage distribution)

Sl No	Principal Characteristics	Unit	Manufacturing		Others		All	
			2009-10	2010-11	2009-10	2010-11	2009-10	2010-11
	1	2	3	4	5	6	7	8
1	Factories	Number	95.77	95.20	4.23	4.80	100.00	100.00
2	Fixed Capital	Rs. in crore	95.90	94.24	4.10	5.76	100.00	100.00
3	Invested Capital	Rs. in crore	97.90	96.34	2.10	3.66	100.00	100.00
4	Workers	Number	97.38	95.94	2.62	4.06	100.00	100.00
5	Total persons engaged	Number	97.49	95.77	2.51	4.23	100.00	100.00
6	Wages to workers	Rs. in crore	98.38	96.49	1.62	3.51	100.00	100.00
7	Total Emoluments	Rs. in crore	98.61	95.79	1.39	4.21	100.00	100.00
8	Total Input	Rs. in crore	98.53	97.43	1.47	2.57	100.00	100.00
9	Gross Output	Rs. in crore	98.50	97.45	1.50	2.55	100.00	100.00
10	Depreciation	Rs. in crore	96.66	95.82	3.34	4.18	100.00	100.00
11	Net Value Added	Rs. in crore	98.58	97.75	1.42	2.25	100.00	100.00
12	Net Income	Rs. in crore	98.69	97.89	1.31	2.11	100.00	100.00

Annual Survey of Industries, 2010-11

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	327	103396	298558	246641	3789	5204	11785	29404	676473	792811	12959	103378	13581	8301
2	50 --- 99	121	89912	118726	145163	5948	8512	6895	14485	287114	337105	10154	39837	1075	7337
3	100 -- 199	59	62458	109617	128254	5293	7487	5742	13277	204646	288323	6566	77111	481	1196
4	200 -- 499	53	183997	224681	303849	9338	13786	12985	29722	470231	593297	25578	97488	2382	9453
5	500 -- 999	8	53035	166911	146134	3283	4504	7244	13891	649902	705193	4860	50431	2221	4406
6	1000 - 1999	12	125093	204304	195208	6680	11558	9438	22613	280232	500265	12239	207795	1078	2282
7	2000 & above	3	4218	13467	7176	1746	2102	2062	3091	25360	32416	343	6712	11	13
Total		583	622109	1136264	1172426	36076	53152	56151	126485	2593958	3249409	72699	582752	20828	32989

Annual Survey of Industries, 2010-11

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	56.09	16.62	26.28	21.04	10.50	9.79	20.99	23.25	26.08	24.40	17.83	17.74	65.21	25.16
2	50 --- 99	20.75	14.45	10.45	12.38	16.49	16.01	12.28	11.45	11.07	10.37	13.97	6.84	5.16	22.24
3	100 -- 199	10.12	10.04	9.65	10.94	14.67	14.09	10.23	10.50	7.89	8.87	9.03	13.23	2.31	3.63
4	200 -- 499	9.09	29.58	19.77	25.92	25.88	25.94	23.13	23.50	18.13	18.26	35.18	16.73	11.44	28.66
5	500 -- 999	1.37	8.53	14.69	12.46	9.10	8.47	12.90	10.98	25.05	21.70	6.69	8.65	10.66	13.36
6	1000 - 1999	2.06	20.11	17.98	16.65	18.52	21.75	16.81	17.88	10.80	15.40	16.84	35.66	5.18	6.92
7	2000 & above	0.51	0.68	1.19	0.61	4.84	3.95	3.67	2.44	0.98	1.00	0.47	1.15	0.05	0.04
Total		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Annual Survey of Industries, 2010-11

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	19.87	19.87	3.11	1.00	0.13	0.13	0.28
2	50 --- 99	10.56	4.68	1.16	2.26	0.27	0.12	0.36
3	100 -- 199	8.34	10.30	1.08	0.81	0.22	0.27	0.17
4	200 -- 499	13.35	7.07	1.39	1.89	0.31	0.16	0.30
5	500 -- 999	11.78	11.20	2.21	1.05	0.08	0.07	0.28
6	1000 - 1999	10.82	17.98	1.41	0.60	0.25	0.42	0.11
7	2000& above	2.01	3.19	1.18	0.63	0.13	0.21	0.46
	Total	11.70	10.96	1.56	1.07	0.19	0.18	0.22

Annual Survey of Industries 2010-11

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	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	129	4333	7944	13585	1371	1742	1083	1720	22752	28116	790	4574	86	358
2	1.0--2	3	22	43	26	24	30	26	42	6	58	5	48	0	0
3	2 -- 5	12	257	429	376	281	307	255	304	708	1143	30	405	0	14
4	5 -- 10	25	1526	2551	2280	562	636	376	572	4303	5847	134	1410	7	185
5	10 -- 20	18	2180	6298	5824	157	313	198	1351	7985	10378	199	2195	193	95
6	20 -- 50	41	5833	27375	27743	783	1126	803	1608	18139	21979	313	3528	76	280
7	50 -- 100	39	6815	12957	9614	935	1252	782	1777	11254	14527	372	2902	29	556
8	100 -- 200	52	19291	11316	31324	2032	3397	2806	5391	101278	120549	2489	16783	159	2807
9	200 -- 500	87	48419	147985	132125	4615	6492	6273	17776	178056	274268	5377	90835	10667	7895
10	500 -- 1000	60	46135	71293	85237	4285	5908	3903	8702	164767	202422	4629	33026	799	2752
11	1000 - 2000	44	74874	212332	127352	3867	7079	5896	20443	273532	402186	9037	119616	1544	2595
12	2000 - 5000	28	79147	87715	143907	4674	6668	12114	24539	554119	654066	8498	91449	2745	1594
13	5000 - 10000	26	110097	182015	183279	4146	6179	5215	12552	278536	267037	18395	-29894	1459	4570
14	10000 & above	19	223180	366010	409753	8345	12024	16421	29707	978522	1246830	22431	245877	3065	9288
Total		583	622109	1136264	1172426	36076	53152	56151	126485	2593958	3249409	72699	582752	20828	32989

Annual Survey of Industries 2010-11
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	22.13	0.70	0.70	1.16	3.80	3.28	1.93	1.36	0.88	0.87	1.09	0.78	0.41	1.09
2	1.0--2.5	0.51	0.00	0.00	0.00	0.07	0.06	0.05	0.03	0.00	0.00	0.01	0.01	0.00	0.00
3	2.5 -- 5	2.06	0.04	0.04	0.03	0.78	0.58	0.45	0.24	0.03	0.04	0.04	0.07	0.00	0.04
4	5 -- 10	4.29	0.25	0.22	0.19	1.56	1.20	0.67	0.45	0.17	0.18	0.18	0.24	0.03	0.56
5	10 -- 20	3.09	0.35	0.55	0.50	0.44	0.59	0.35	1.07	0.31	0.32	0.27	0.38	0.93	0.29
6	20 -- 50	7.03	0.94	2.41	2.37	2.17	2.12	1.43	1.27	0.70	0.68	0.43	0.61	0.36	0.85
7	50 -- 100	6.69	1.10	1.14	0.82	2.59	2.36	1.39	1.40	0.43	0.45	0.51	0.50	0.14	1.69
8	100 -- 200	8.92	3.10	1.00	2.67	5.63	6.39	5.00	4.26	3.90	3.71	3.42	2.88	0.76	8.51
9	200 -- 500	14.92	7.78	13.02	11.27	12.79	12.21	11.17	14.05	6.86	8.44	7.40	15.59	51.21	23.93
10	500 -- 1000	10.29	7.42	6.27	7.27	11.88	11.12	6.95	6.88	6.35	6.23	6.37	5.67	3.84	8.34
11	1000 - 2000	7.55	12.04	18.69	10.86	10.72	13.32	10.50	16.16	10.54	12.38	12.43	20.53	7.41	7.87
12	2000 - 5000	4.80	12.72	7.72	12.27	12.96	12.55	21.57	19.40	21.36	20.13	11.69	15.69	13.18	4.83
13	5000 - 10000	4.46	17.70	16.02	15.63	11.49	11.63	9.29	9.92	10.74	8.22	25.30	-5.13	7.00	13.85
14	10000 & above	3.26	35.87	32.21	34.95	23.13	22.62	29.24	23.49	37.72	38.37	30.85	42.19	14.72	28.15
Total		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Annual Survey of Industries 2010-11

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	2.49	2.63	0.79	0.95	0.15	0.16	0.38
2	Upto 2.5	0.73	1.60	1.08	0.46	0.38	0.83	0.88
3	2.5 -- 5	0.84	1.32	0.91	0.63	0.22	0.35	0.75
4	5 -- 10	2.40	2.22	0.67	1.08	0.26	0.24	0.41
5	10 -- 20	6.96	7.01	1.26	0.99	0.21	0.21	0.62
6	20 -- 50	5.18	3.13	1.03	1.65	0.27	0.16	0.46
7	50 -- 100	5.44	2.32	0.84	2.35	0.47	0.20	0.61
8	100 -- 200	5.68	4.94	1.38	1.15	0.16	0.14	0.32
9	200 -- 500	7.46	13.99	1.36	0.53	0.18	0.33	0.20
10	500 -- 1000	7.81	5.59	0.91	1.40	0.23	0.16	0.26
11	1000 - 2000	10.58	16.90	1.52	0.63	0.19	0.30	0.17
12	2000 - 5000	11.87	13.71	2.59	0.87	0.12	0.14	0.27
13	5000 - 10000	17.82	-4.84	1.26	-3.68	0.41	-0.11	-0.42
14	10000 & above	18.56	20.45	1.97	0.91	0.18	0.20	0.12
Total		11.70	10.96	1.56	1.07	0.19	0.18	0.22

Annual Survey of Industries 2010-11
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	561	961	822	146	224	295	545	2105	3245	52	1088	4	87
3	Central & State/local Govt.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Public Sector (1+2+3)	2	561	961	822	146	224	295	545	2105	3245	52	1088	4	87
5	Joint Sector (Public)	23	82104	101923	110198	6485	8469	6220	12723	184235	319019	12289	122495	369	2815
6	Joint Sector (Private)	15	9535	23045	13846	724	1267	738	1825	17823	34650	849	15978	67	266
7	Joint Sector (5+6)	38	91639	124968	124044	7209	9736	6958	14548	202058	353669	13138	138473	436	3081
8	Wholly Private	543	529909	1010335	1047560	28722	43193	48898	111392	2389795	2892495	59509	443192	20389	29821
Total		583	622109	1136264	1172426	36076	53152	56151	126485	2593958	3249409	72699	582752	20828	32989

Annual Survey of Industries 2010-11
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.	0.34	0.09	0.08	0.07	0.40	0.42	0.53	0.43	0.08	0.10	0.07	0.19	0.02	0.26
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	Public Sector (1+2+3)	0.34	0.09	0.08	0.07	0.40	0.42	0.53	0.43	0.08	0.10	0.07	0.19	0.02	0.26
5	Joint Sector (Public)	3.95	13.20	8.97	9.40	17.98	15.93	11.08	10.06	7.10	9.82	16.90	21.02	1.77	8.53
6	Joint Sector (Private)	2.57	1.53	2.03	1.18	2.01	2.38	1.31	1.44	0.69	1.07	1.17	2.74	0.32	0.81
7	Joint Sector (5+6)	6.52	14.73	11.00	10.58	19.98	18.32	12.39	11.50	7.79	10.88	18.07	23.76	2.09	9.34
8	Wholly Private	93.14	85.18	88.92	89.35	79.62	81.26	87.08	88.07	92.13	89.02	81.86	76.05	97.89	90.40
Total		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Annual Survey of Industries 2010-11
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.	2.50	4.86	2.02	0.52	0.17	0.34	0.50
3	Central & State/local Govt.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Public Sector (1+2+3)	2.50	4.86	2.02	0.52	0.17	0.34	0.50
5	Joint Sector (Public)	9.69	14.46	0.96	0.67	0.26	0.38	0.10
6	Joint Sector (Private)	7.53	12.61	1.02	0.60	0.28	0.46	0.11
7	Joint Sector (5+6)	9.41	14.22	0.97	0.66	0.26	0.39	0.11
8	Wholly Private	12.27	10.26	1.70	1.20	0.18	0.15	0.25
Total		11.70	10.96	1.56	1.07	0.19	0.18	0.22

Annual Survey of Industries 2010-11
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	124	4117	23074	31587	1283	1607	942	1532	18480	24655	526	5650	58	374
2	Joint Family	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Partnership	68	4948	13860	9278	1886	2309	1501	2484	33622	41978	668	7687	35	428
4	Public Limited Company	141	380272	674548	654238	19643	27867	30468	62688	1517746	1967657	44163	405748	4429	11173
5	Private Limited Company	248	232234	423098	473577	13021	21027	22816	59098	1019232	1209901	27285	163384	16301	20885
6	Corporate Sector (4+5)	389	612506	1097646	1127815	32664	48894	53284	121786	2536978	3177558	71448	569132	20730	32058
7	Khadi & Village Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Co-operative Society	2	538	1685	3746	243	342	424	683	4877	5218	57	284	6	129
9	Others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total		583	622109	1136264	1172426	36076	53152	56151	126485	2593958	3249409	72699	582752	20828	32989

Annual Survey of Industries 2010-11
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	21.27	0.66	2.03	2.69	3.56	3.02	1.68	1.21	0.71	0.76	0.72	0.97	0.28	1.13
2	Joint Family	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Partnership	11.66	0.80	1.22	0.79	5.23	4.34	2.67	1.96	1.30	1.29	0.92	1.32	0.17	1.30
4	Public Limited Company	24.19	61.13	59.37	55.80	54.45	52.43	54.26	49.56	58.51	60.55	60.75	69.63	21.26	33.87
5	Private Limited Company	42.54	37.33	37.24	40.39	36.09	39.56	40.63	46.72	39.29	37.23	37.53	28.04	78.26	63.31
6	Corporate Sector (4+5)	66.72	98.46	96.60	96.19	90.54	91.99	94.89	96.28	97.80	97.79	98.28	97.66	99.53	97.18
7	Khadi & Village Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Co-operative Society	0.34	0.09	0.15	0.32	0.67	0.64	0.76	0.54	0.19	0.16	0.08	0.05	0.03	0.39
9	Others	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
Total		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Annual Survey of Industries 2010-11
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	2.56	3.52	0.73	0.73	0.17	0.23	0.27
2	Joint Family	0	0	0	0	0	0	0
3	Partnership	2.14	3.33	0.80	0.64	0.12	0.18	0.32
4	Public Limited Company	13.65	14.56	1.55	0.94	0.19	0.21	0.15
5	Private Limited Company	11.04	7.77	1.75	1.42	0.19	0.14	0.36
6	Corporate Sector (4+5)	12.53	11.64	1.63	1.08	0.19	0.18	0.21
7	Khadi & Village Industry	0	0	0	0	0	0	0
8	Co-operative Society	1.57	0.83	1.74	1.89	0.10	0.05	2.40
9	Others	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		11.70	10.96	1.56	1.07	0.19	0.18	0.22

Annual Survey of Industries 2010-11
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
21	59	147990	308337	233386	5055	10559	6824	27998	310032	537228	14136	213061
13	14	7916	16003	12886	488	622	756	1486	45819	146818	1199	99800
22	55	52797	16903	104890	3525	5289	10616	19728	502145	589404	13056	74202
10	53	50979	65529	65217	4304	4955	3374	5235	109172	176225	3729	63324
27	33	44457	109912	78998	3056	3864	2628	6460	163449	189183	4906	20828
26	25	13409	35510	23757	1197	2641	2465	8393	72616	90232	2508	15109
32	19	29561	72704	82476	1621	2544	4381	9778	40764	57768	3288	13716
28	18	16466	25819	32075	845	1441	1653	4871	60398	75203	1446	13359
Others	28	35845	60141	42950	1463	2247	1970	5322	66670	82820	3038	13111
11	36	24988	85008	36101	1524	2030	1338	3432	38399	53304	3048	11857
30	15	23131	16445	65875	943	1417	1638	2884	46640	60244	2693	10911
19	4	8002	10082	42218	379	522	544	1225	57141	70083	2409	10533
29	11	4965	15300	8875	2036	2505	2365	3679	31929	40912	428	8554
23	26	16756	19761	22886	726	1062	1112	2450	19407	27346	2184	5754
25	24	4928	9850	8217	575	808	786	1440	11267	17385	434	5685
18	14	14540	18709	15908	386	574	534	1303	20858	25962	1695	3408
20	44	47597	144859	130229	2964	3425	7597	9729	627872	635274	6073	1329
17	29	8218	9383	12248	553	759	617	1175	14157	15703	359	1186
31	9	1222	1757	1804	106	166	97	310	1865	2143	70	208
33	3	56	151	57	27	38	19	30	174	328	6	149
24	66	68288	94103	151373	4304	5688	4838	9558	353183	355846	5995	-3332
Total	583	622109	1136264	1172426	36076	53152	56151	126485	2593958	3249409	72699	582752

Annual Survey of Industries 2010-11
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
21	10.12	23.79	27.14	19.91	14.01	19.87	12.15	22.14	11.95	16.53	19.44	36.56
13	2.40	1.27	1.41	1.10	1.35	1.17	1.35	1.17	1.77	4.52	1.65	17.13
22	9.43	8.49	1.49	8.95	9.77	9.95	18.91	15.60	19.36	18.14	17.96	12.73
10	9.09	8.19	5.77	5.56	11.93	9.32	6.01	4.14	4.21	5.42	5.13	10.87
27	5.66	7.15	9.67	6.74	8.47	7.27	4.68	5.11	6.30	5.82	6.75	3.57
26	4.29	2.16	3.13	2.03	3.32	4.97	4.39	6.64	2.80	2.78	3.45	2.59
32	3.26	4.75	6.40	7.03	4.49	4.79	7.80	7.73	1.57	1.78	4.52	2.35
28	3.09	2.65	2.27	2.74	2.34	2.71	2.94	3.85	2.33	2.31	1.99	2.29
Others	4.80	5.76	5.29	3.66	4.06	4.23	3.51	4.21	2.57	2.55	4.18	2.25
11	6.17	4.02	7.48	3.08	4.22	3.82	2.38	2.71	1.48	1.64	4.19	2.03
30	2.57	3.72	1.45	5.62	2.61	2.67	2.92	2.28	1.80	1.85	3.70	1.87
19	0.69	1.29	0.89	3.60	1.05	0.98	0.97	0.97	2.20	2.16	3.31	1.81
29	1.89	0.80	1.35	0.76	5.64	4.71	4.21	2.91	1.23	1.26	0.59	1.47
23	4.46	2.69	1.74	1.95	2.01	2.00	1.98	1.94	0.75	0.84	3.00	0.99
25	4.12	0.79	0.87	0.70	1.59	1.52	1.40	1.14	0.43	0.54	0.60	0.98
18	2.40	2.34	1.65	1.36	1.07	1.08	0.95	1.03	0.80	0.80	2.33	0.58
20	7.55	7.65	12.75	11.11	8.22	6.44	13.53	7.69	24.21	19.55	8.35	0.23
17	4.97	1.32	0.83	1.04	1.53	1.43	1.10	0.93	0.55	0.48	0.49	0.20
31	1.54	0.20	0.15	0.15	0.29	0.31	0.17	0.25	0.07	0.07	0.10	0.04
33	0.51	0.01	0.01	0.00	0.07	0.07	0.03	0.02	0.01	0.01	0.01	0.03
24	11.32	10.98	8.28	12.91	11.93	10.70	8.62	7.56	13.62	10.95	8.25	-0.57
21	10.12	23.79	27.14	19.91	14.01	19.87	12.15	22.14	11.95	16.53	19.44	36.56

Annual Survey of Industries 2010-11
Annexure 7 - Important Indicators of Industries in Goa State
Over the Years 1964-65 to 2010-11

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
(b) Financial Year - 1978-79 onwards
2) SURVEY JURISDICTION: (a) Union Territory of Goa, Daman & Diu - 1964 to 1984-85
(b) Goa - 1985-86 onwards
No survey conducted during 1972.

* Employees other than Workers

Annual Survey of Industries 2010-11
Annexure 7 - Important Indicators of Industries in Goa State
Over the Years 1964-65 to 2010-11

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
(b) Financial Year - 1978-79 onwards
2) SURVEY JURISDICTION: (a) Union Territory of Goa, Daman & Diu - 1964 to 1984-85
(b) Goa - 1985-86 onwards
No survey conducted during 1972.

* Employees other than Workers

Annual Survey of Industries 2010-11
Annexure 7 - Important Indicators of Industries in Goa State
Over the Years 1964-65 to 2010-11

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

NOTE: 1) SURVEY PERIOD: (a) Calendar Year - 1964 to 1977

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

Annual Survey of Industries 2010-11
Annexure 7 - Important Indicators of Industries in Goa State
Over the Years 1964-65 to 2010-11

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
(b) Financial Year - 1978-79 onwards
2) SURVEY JURISDICTION: (a) Union Territory of Goa, Daman & Diu - 1964 to 1984-85
(b) Goa - 1985-86 onwards
No survey conducted during 1972.

* Employees other than Workers

Annual Survey of Industries 2010-11
Annexure 7 - Important Indicators of Industries in Goa State
Over the Years 1964-65 to 2010-11

Sr.no.	Characteristics	Unit	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	Number of factories	Number	544	514	522	519	520	583
2	Fixed capital	Rs. Crore	3921.37	4095.97	4500.19	5264.96	6564.22	6221.09
3	Working capital	Rs. Crore	2113.07	2775.8	3451.33	2384.03	7918.73	5141.55
4	Invested capital	Rs. Crore	6153.88	6676.39	7575.97	9493.45	13211.99	11724.26
5	Outstanding loans	Rs. Crore	2306.37	1937.43	2123.39	1419.67	2263.95	4138.82
6	No. of workers	Number	29908	31976	37617	40545	38891	36076
7	Man days workers	Lakh	NA	NA	NA	NA	NA	NA
8	No. of employees	Number	38954	9551*	13156*	12550*	12754*	17024*
9	Man days employees	Lakh	123.52	130.78	160.18	164.97	169.80	170.56
10	Total persons engaged	Number	39046	41620	50847	53107	51697	53152
11	Wages to workers	Rs. Crore	241.03	273.73	330.52	365.31	493.09	561.51
12	Total emoluments	Rs. Crore	559.69	643.44	785.66	913.24	1082.95	1264.85
13	Provident & other fund	Rs. Crore	98.7	116.89	125.05	142.24	190.92	217.07
14	Workmen welfare expenses	Rs. Crore	NA	NA	NA	NA	NA	NA
15	Fuel consumed	Rs. Crore	787.35	899.29	982.93	1404.14	872.90	1236.93

16	Materials consumed	Rs. Crore	9154.27	12118.35	11415.08	15866.91	18014.86	18796.24
17	Total inputs	Rs. Crore	11747.27	14845.7	14552.95	22098.06	23225.19	25939.58
18	Products and by products	Rs. Crore	13774.52	17293.04	16925.66	23157.03	26486.76	27059.30
19	Gross output	Rs. Crore	15421.14	18832.91	18872.57	27525.79	29434.95	32494.09
20	Depreciation	Rs. Crore	378.62	374.7	414.35	526.09	569.38	726.99
21	Net value added	Rs. Crore	3295.25	3612.51	3905.27	4901.64	5640.38	582752

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

Annual Survey of Industries 2010-11

Annexure 8 - National Industrial Classification (NIC 2008)

NIC-3 digit	NIC-4 digit	Description
016	0163	Post-harvest crop activities
089	0893	Extraction of salt
101	1010	Processing and preserving of meat
102	1020	Processing and preserving of fish, crustaceans and molluscs and products thereof
103	1030	Processing and preserving of fruit and vegetables
104	1040	Manufacture of vegetable and animal oils and fats
105	1050	Manufacture of dairy products
106		Manufacture of grain mill products, starches and starch products
	1061	Manufacture of grain mill products
	1062	Manufacture of starches and starch products
107		Manufacture of other food products
	1071	Manufacture of bakery products
	1072	Manufacture of sugar
	1073	Manufacture of cocoa, chocolate and sugar confectionery
	1074	Manufacture of macaroni, noodles, couscous and similar farinaceous products
	1075	Manufacture of prepared meals and dishes
	1079	Manufacture of other food products n.e.c.
108	1080	Manufacture of prepared animal feeds
110		Manufacture of beverages
	1101	Distilling, rectifying and blending of spirits; ethyl alcohol production from fermented materials
	1102	Manufacture of wines
	1103	Manufacture of malt liquors and malt
	1104	Manufacture of soft drinks; production of mineral waters and other bottled waters
120	1200	Manufacture of tobacco products
131		Spinning, weaving and finishing of textiles
	1311	Preparation and spinning of textile fibres
	1312	Weaving of textiles
	1313	Finishing of textiles
139		Manufacture of other textiles
	1391	Manufacture of knitted and crocheted fabrics
	1392	Manufacture of made-up textile articles, except apparel
	1393	Manufacture of carpets and rugs
	1394	Manufacture of cordage, rope, twine and netting

	1399	Manufacture of other textiles n.e.c.
141	1410	Manufacture of wearing apparel, except fur apparel
142	1420	Manufacture of articles of fur
143	1430	Manufacture of knitted and crocheted apparel
151		Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
	1511	Tanning and dressing of leather; dressing and dyeing of fur
	1512	Manufacture of luggage, handbags and the like, saddlery and harness
152	1520	Manufacture of footwear
161	1610	Saw milling and planing of wood
162		Manufacture of products of wood, cork, straw and plaiting materials
	1621	Manufacture of veneer sheets; manufacture of plywood, laminboard, particle board and other panels and board
	1622	Manufacture of builders' carpentry and joinery
	1623	Manufacture of wooden containers
	1629	Manufacture of other products of wood; manufacture of articles of cork, straw and plaiting materials
170		Manufacture of paper and paper products
	1701	Manufacture of pulp, paper and paperboard
	1702	Manufacture of corrugated paper and paperboard and containers of paper and paperboard
	1709	Manufacture of other articles of paper and paperboard
181		Printing and service activities related to printing
	1811	Printing
	1812	Service activities related to printing
182	1820	Reproduction of recorded media
191	1910	Manufacture of coke oven products
192	1920	Manufacture of refined petroleum products
201		Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
	2011	Manufacture of basic chemicals
	2012	Manufacture of fertilizers and nitrogen compounds
	2013	Manufacture of plastics and synthetic rubber in primary forms
202		Manufacture of other chemical products
	2021	Manufacture of pesticides and other agrochemical products
	2022	Manufacture of paints, varnishes and similar coatings, printing ink and mastics
	2023	Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations
	2029	Manufacture of other chemical products n.e.c.
203	2030	Manufacture of man-made fibres

210	2100	Manufacture of pharmaceuticals, medicinal chemical and botanical products
221		Manufacture of rubber products
	2211	Manufacture of rubber tyres and tubes; retreading and rebuilding of rubber tyres
	2219	Manufacture of other rubber products
222	2220	Manufacture of plastics products
231	2310	Manufacture of glass and glass products
239		Manufacture of non-metallic mineral products n.e.c.
	2391	Manufacture of refractory products
	2392	Manufacture of clay building materials
	2393	Manufacture of other porcelain and ceramic products
	2394	Manufacture of cement, lime and plaster
	2395	Manufacture of articles of concrete, cement and plaster
	2396	Cutting, shaping and finishing of stone
	2399	Manufacture of other non-metallic mineral products n.e.c.
241	2410	Manufacture of basic iron and steel
242	2420	Manufacture of basic precious and other non-ferrous metals
243		Casting of metals
	2431	Casting of iron and steel
	2432	Casting of non-ferrous metals
251		Manufacture of structural metal products, tanks, reservoirs and steam generators
	2511	Manufacture of structural metal products
	2512	Manufacture of tanks, reservoirs and containers of metal
	2513	Manufacture of steam generators, except central heating hot water boilers
252	2520	Manufacture of weapons and ammunition
259		Manufacture of other fabricated metal products; metalworking service activities
	2591	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
	2592	Machining; treatment and coating of metals
	2593	Manufacture of cutlery, hand tools and general hardware
	2599	Manufacture of other fabricated metal products n.e.c.
261	2610	Manufacture of electronic components
262	2620	Manufacture of computers and peripheral equipment
263	2630	Manufacture of communication equipment
264	2640	Manufacture of consumer electronics
265		Manufacture of measuring, testing, navigating and control equipment; watches and clocks
	2651	Manufacture of measuring, testing, navigating and control equipment
	2652	Manufacture of watches and clocks
266	2660	Manufacture of irradiation, electromedical and electrotherapeutic equipment

267	2670	Manufacture of optical instruments and equipment
268	2680	Manufacture of magnetic and optical media
271	2710	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
272	2720	Manufacture of batteries and accumulators
273		Manufacture of wiring and wiring devices
	2731	Manufacture of fibre optic cables for data transmission or live transmission of images
	2732	Manufacture of other electronic and electric wires and cables
	2733	Manufacture of wiring devices
274	2740	Manufacture of electric lighting equipment
275	2750	Manufacture of domestic appliances
279	2790	Manufacture of other electrical equipment
281		Manufacture of general purpose machinery
	2811	Manufacture of engines and turbines, except aircraft, vehicle and cycle engines
	2812	Manufacture of fluid power equipment
	2813	Manufacture of other pumps, compressors, taps and valves
	2814	Manufacture of bearings, gears, gearing and driving elements
	2815	Manufacture of ovens, furnaces and furnace burners
	2816	Manufacture of lifting and handling equipment
	2817	Manufacture of office machinery and equipment
	2818	Manufacture of power-driven hand tools
	2819	Manufacture of other general-purpose machinery
282		Manufacture of special-purpose machinery
	2821	Manufacture of agricultural and forestry machinery
	2822	Manufacture of metal-forming machinery and machine tools
	2823	Manufacture of machinery for metallurgy
	2824	Manufacture of machinery for mining, quarrying and construction
	2825	Manufacture of machinery for food, beverage and tobacco processing
	2826	Manufacture of machinery for textile, apparel and leather production
	2829	Manufacture of other special-purpose machinery
291	2910	Manufacture of motor vehicles
292	2920	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
293	2930	Manufacture of parts and accessories for motor vehicles
301		Building of ships and boats
	3011	Building of ships and floating structures
	3012	Building of pleasure and sporting boats
302	3020	Manufacture of railway locomotives and rolling stock
303	3030	Manufacture of air and spacecraft and related machinery

304	3040	Manufacture of weapons and ammunition
309		Manufacture of transport equipment n.e.c.
	3091	Manufacture of motorcycles
	3092	Manufacture of bicycles and invalid carriages
	3099	Manufacture of other transport equipment n.e.c.
310	3100	Manufacture of furniture
321		Manufacture of jewellery, bijouterie and related articles
	3211	Manufacture of jewellery and related articles
	3212	Manufacture of imitation jewellery and related articles
322	3220	Manufacture of musical instruments
323	3230	Manufacture of sports goods
324	3240	Manufacture of games and toys
325	3250	Manufacture of medical and dental instruments and supplies
329	3290	Other manufacturing n.e.c.
331		Repair of fabricated metal products, machinery and equipment
	3311	Repair of fabricated metal products
	3312	Repair of machinery
	3313	Repair of electronic and optical equipment
	3314	Repair of electrical equipment
	3315	Repair of transport equipment, except motor vehicles
	3319	Repair of other equipment
332	3320	Installation of industrial machinery and equipment
351	3510	Electric power generation, transmission and distribution
352	3520	Manufacture of gas; distribution of gaseous fuels through mains
353	3530	Steam and air conditioning supply
360	3600	Water collection, treatment and supply
370	3700	Sewerage
381		Waste collection
	3811	Collection of non-hazardous waste
	3812	Collection of hazardous waste
382		Waste treatment and disposal
	3821	Treatment and disposal of non-hazardous waste
	3822	Treatment and disposal of hazardous waste
383	3830	Materials recovery
452	4520	Maintenance and repair of motor vehicles
454	4540	Sale, maintenance and repair of motorcycles and related parts and Accessories
521	5210	Warehousing and storage
581		Publishing of books, periodicals and other publishing activities
	5811	Book publishing

	5812	Publishing of directories and mailing lists
	5813	Publishing of newspapers, journals and periodicals
	5819	Other publishing activities
591		Motion picture, video and television programme activities
	5911	Motion picture, video and television programme production activities
	5912	Motion picture, video and television programme post-production activities
	5913	Motion picture, video and television programme distribution activities
592	5920	Sound recording and music publishing activities
742	7420	Photographic activities
829		Business support service activities n.e.c.
	8292	Packaging activities
951		Repair of computers and communication equipment
	9511	Repair of computers and peripheral equipment
	9512	Repair of communication equipment
952		Repair of personal and household goods
	9521	Repair of consumer electronics
	9522	Repair of household appliances and home and garden equipment
	9523	Repair of footwear and leather goods
	9524	Repair of furniture and home furnishings
	9529	Repair of personal and household goods, n.e.c.
960		Other personal service activities
	9601	Washing and (dry-) cleaning of textile and fur products