



REPORT
ON
ANNUAL SURVEY OF INDUSTRIES
2020-21



Directorate of Economics & Statistics
Planning Development & Monitoring Department
Government of Jammu & Kashmir

ASI-2020-21

Foreword

The Annual Survey of Industries (ASI) 2020–21 presents a comprehensive statistical overview of the organized manufacturing sector in Jammu & Kashmir. Conducted by the Directorate of Economics & Statistics, J&K with the technical support and guidance of the National Statistical Office (NSO), Ministry of Statistics and Programme Implementation, Government of India, the survey provides valuable information on important industrial parameters such as fixed capital, employment, input, output, and value added. These statistics serve as an important resource for understanding the structure and performance of the industrial sector and for supporting evidence-based planning and policy formulation.

I sincerely appreciate the dedicated efforts of the officers and staff of the Directorate, particularly the Survey Section and the District Statistics & Evaluation Officers, who carried out the fieldwork and data compilation with commitment and diligence. I also acknowledge the continued guidance and technical support provided by the National Statistical Office (NSO), MoSPI, Government of India. The cooperation extended by the management of industrial establishments in providing the required information is also gratefully acknowledged.

I would also like to place on record my appreciation for the valuable contributions of the former Director General, Ms. Satvir Kour Sudan, under whose guidance the survey work and preparation of this report were initiated and carried forward. Her efforts have significantly contributed to the successful completion of this publication.

It is hoped that this report will prove useful to planners, policymakers, researchers, and other stakeholders in promoting industrial development in Jammu & Kashmir. Suggestions for further improvement of this publication are most welcome.

Sd/-

Dated:

(Ather Hussain Qadri)
Director General
Economics & Statistics,
Jammu & Kashmir

Preface

The Annual Survey of Industries (ASI) is a key source of industrial statistics and serves as one of the most significant surveys focusing on the organized or registered manufacturing sector. It provides an objective evaluation of the industrial scenario in Jammu & Kashmir. The Directorate of Economics & Statistics, J&K, conducted the survey for the financial year 2020-21, with support and guidance from the Industrial Statistical Wing (IS Wing), Kolkata, and the National Statistical Office (NSO), Ministry of Statistics and Programme Implementation (MOSPI), Government of India. The industrial development, especially in the manufacturing sector can make a huge impact or thrust on the economy of the UT. Annual survey of Industries 2020-21 provides information on principal characteristics of the industries viz. Fixed Capital, Working Capital, Employment Details, Gross Value Added, Input, Output, Net Value Added etc. in the organized manufacturing sector of the state for the financial year 2020-21.

The survey is conducted under the statutory provisions of the Collection of Statistics Act, 2008 (7 of 2009) and the rules framed under it in 2011. The District Statistics & Evaluation Officers of Jammu & Kashmir carried out the fieldwork to collect data within their respective jurisdictions.

The data entry was performed using the MS-Access-based e-schedule package provided by the National Statistical Office (IS Wing, Kolkata). The Directorate of Economics & Statistics, J&K, processed and tabulated the pooled data in accordance with the guidelines provided by the National Statistical Office (IS Wing, Kolkata).

The Annual Survey of Industries (ASI) covers all industrial units registered under Sections 2m(i) and 2m(ii) of the Factories Act, 1948, as well as those registered under the Bidi and Cigar Workers (Conditions of Employment) Act, 1966. Starting from 2014-15, the coverage has been extended beyond these sectors under Sections 2m(i) and 2m(ii) of the Factories Act, 1948. All electricity undertakings engaged in generation, transmission and distribution of electricity not registered with the Central Electricity Authority (CEA) are also covered under ASI. National Industrial Classification 2008 has been used for classification of the industrial establishments by industrial activities.

I acknowledge and appreciate the work done by the technical staff of the survey section of this Directorate under the guidance of Joint Director (Surveys), as well as the concerned District Statistics & Evaluation Officers of Jammu and Kashmir for their concerted efforts in data collection from the field through field investigators. I express my heartfelt gratitude to the National Statistical Office (NSO), MoSPI, Government of India, for providing invaluable technical assistance and support at various stages of the survey process. I also appreciate the guidance and technical support provided by the committee members. Additionally, I wish to place on record my appreciation for the management of factories for their cooperation and support, which greatly facilitated the field staff in collecting data from relevant records. I hope, the report will be useful to the planners and policy makers.

Suggestions for improvement are always welcome.

Dated:-

Sd/-
(Satvir Kour Sudan)
Director General,
Economics and
Statistics, J&K

Contributions

The successful preparation of the Annual Survey of Industries report has been made possible through the collective efforts and cooperation of several distinguished officers/officials. Their guidance, support, and commitment have been invaluable in ensuring the accuracy, depth, and quality of the work.

We gratefully acknowledge the contributions of:

1. Smt. Ashu Gupta, Regional Director (Director General), Evaluation and Statistics, Jammu.
2. Dr. A.K.Panigrahi, Director, Enterprise Survey Division, IS Wing, Ministry of Statistics and Programme Implementation, Government of India.
3. Sh. Sheikh Shawaiz, Regional Director, Evaluation and Statistics, Kashmir.
4. Sh. Sunil Kumar Pandita, Director (S), Planning, Development & Monitoring Department, Civil Secretariat, J&K.
5. Smt. Deepa Sharma, Principal, SAES, Jammu
6. Smt. Shobha Rani, Joint Director, Surveys, DES, J&K.
7. Sh. Swarn Lal, Assistant Director, Field Operation Division, RO Jammu, NSO, MoSPI, GOI.
8. Sh. Musadiq Hussain, Deputy Director, Surveys, DES, J&K.
9. Sh. Inderjeet Singh, Assistant Director, Surveys, DES, J&K.
10. Sh. Harish Kumar Suri, Statistical Officer, Surveys, DES, J&K.
11. Smt. Neelu Raina, Statistical Officer, Surveys, DES, J&K.
12. Sh. Vishal Nagar, Statistical Officer, Surveys, DES, J&K.
13. Smt. Asha Kumari, Junior Statistical Assistant, DES, J&K.
14. Sh. Tejbir Singh, I/C Junior Statistical Assistant, DES, J&K.
15. Sh. Kapil Mahajan, K.P.O, DES, J&K.

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HIGHLIGHTS

Annual Survey of Industries (ASI) is the principal source of industrial statistics of the registered/organised manufacturing sector of the economy. The industrial sector plays a vital role in shaping the economic development of States and Union Territories. Conducted annually, the ASI aims to measure and evaluate the growth and performance of the registered manufacturing sector. This comprehensive survey collects detailed industrial data to estimate the sector’s contribution to the State and national income.

The qualitative and quantitative growth of industries is essential for strengthening the overall economy. The formulation and implementation of effective industrial policies are critical to ensuring the sector's health and sustainability. To design such policies, policymakers require accurate, data-driven insights into the current industrial landscape at both the State and national levels. The ASI fulfills this need by systematically collecting and analyzing relevant statistical information.

Reference period for ASI 2020-2021 was the accounting year of the factory, ending on any day during the financial year 2020-2021. The total sample size for ASI 2020-2021 in respect of UT of J&K for undertaking pooling was 606 units (107 State sample units and 499 Centre sample units).

A. Top Districts:

Top five districts in terms of their percentage share in the value of overall aggregates for each of the characteristics are as under:

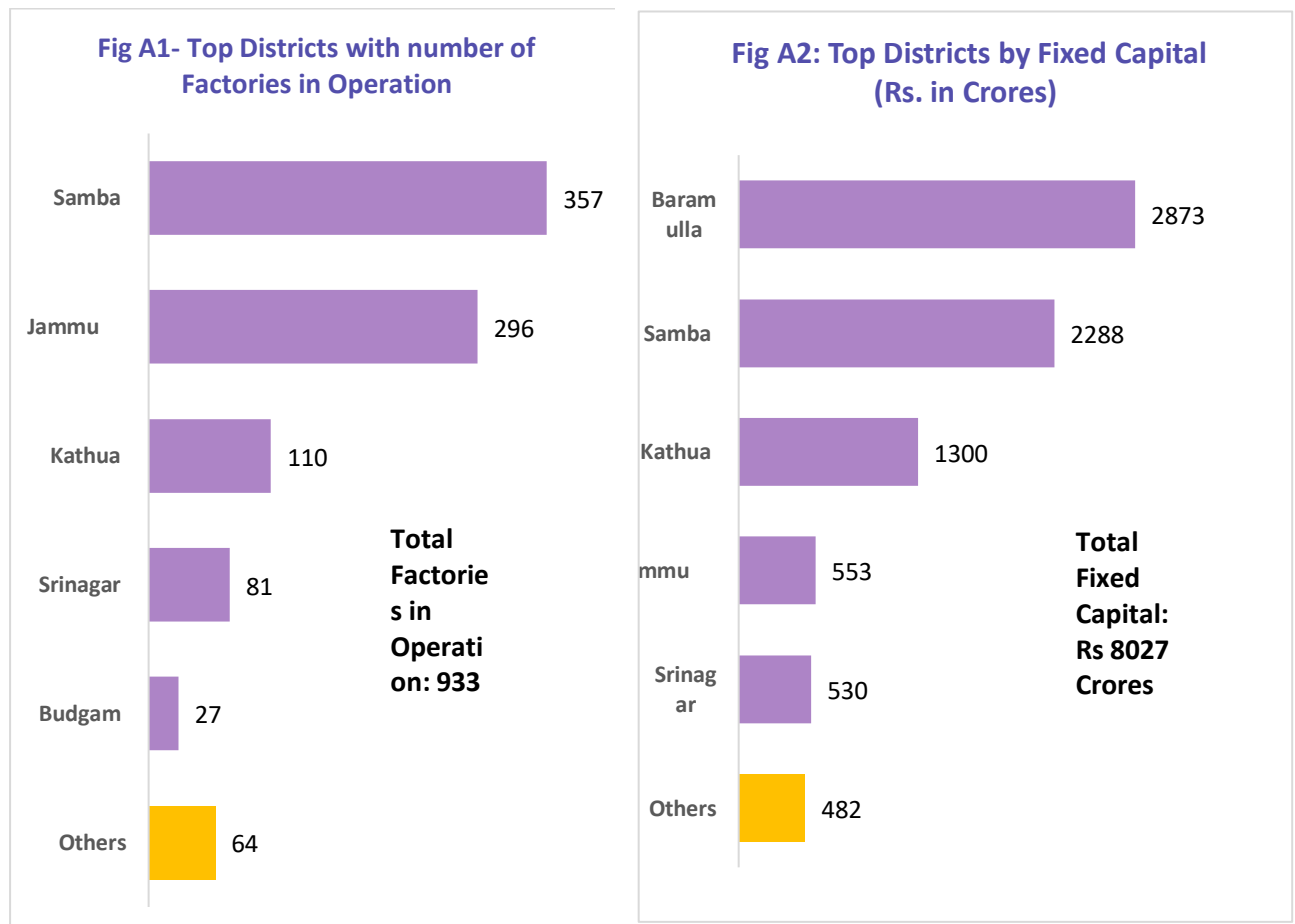


Fig A3: Top Districts by Total Number of Persons Engaged

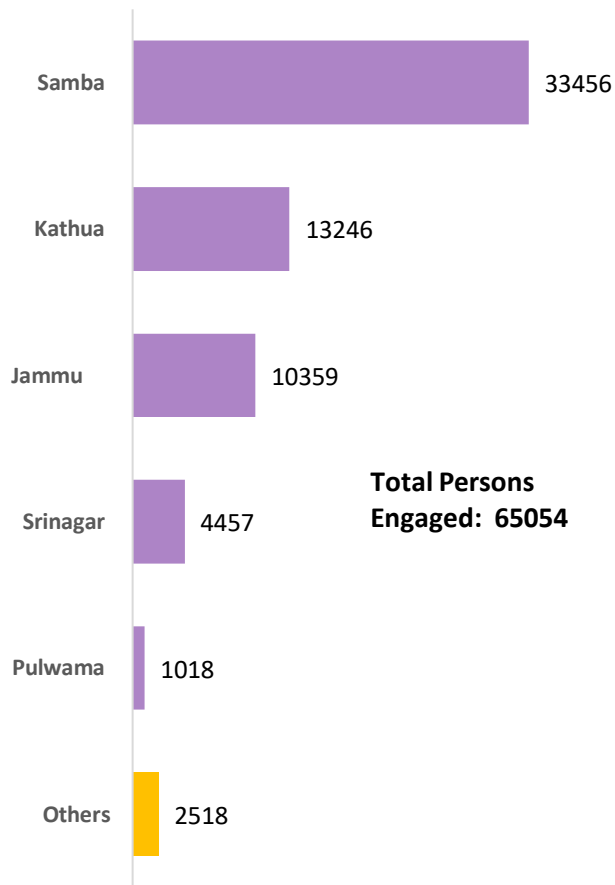


Fig A4: Top Districts by Total Output (Rs. in Crores)

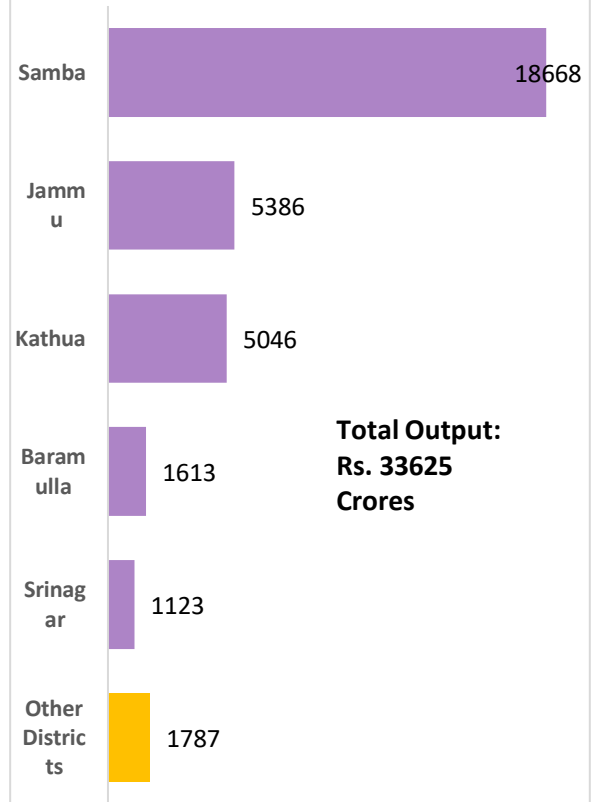
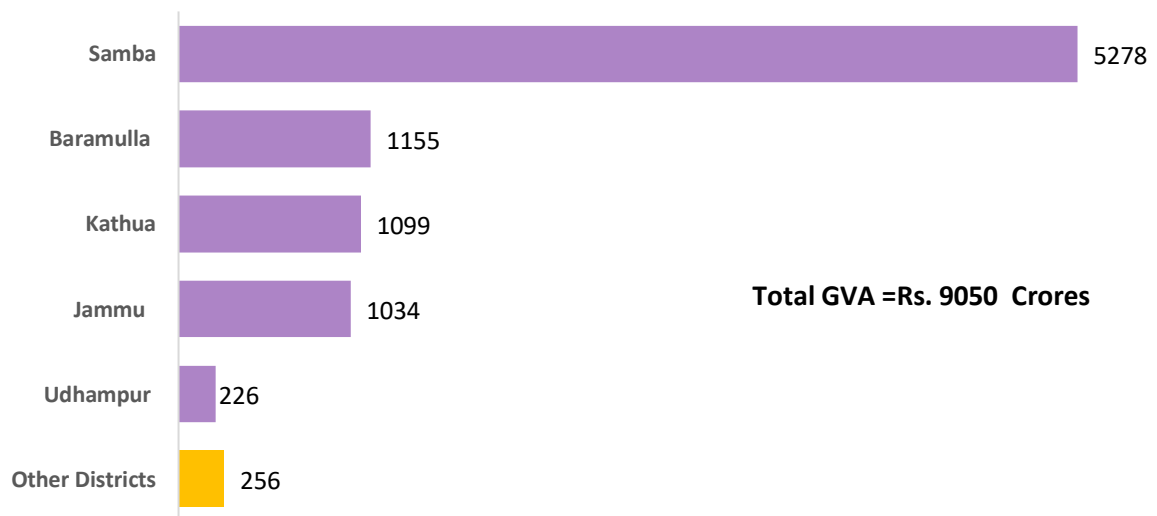


Fig A5: Top District by Gross Value Added (Rs. in Crores)



B. Top Industries:

Top five industries in terms of their percentage share in the value of overall aggregates for each of the characteristics are as under:

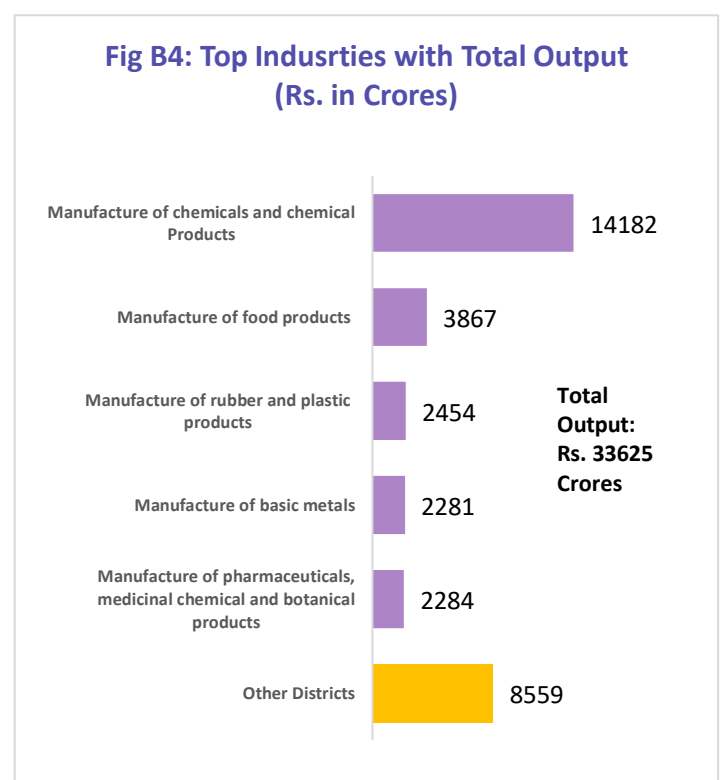
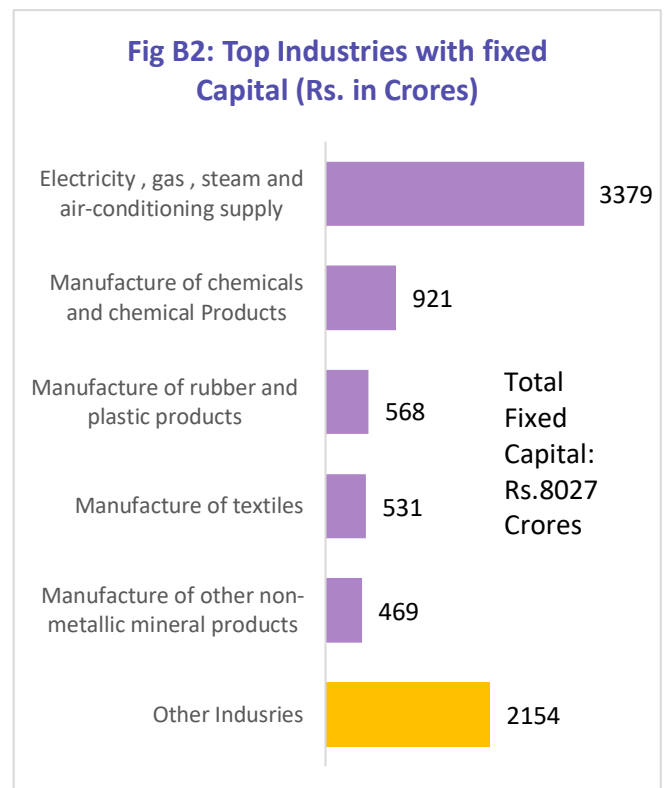
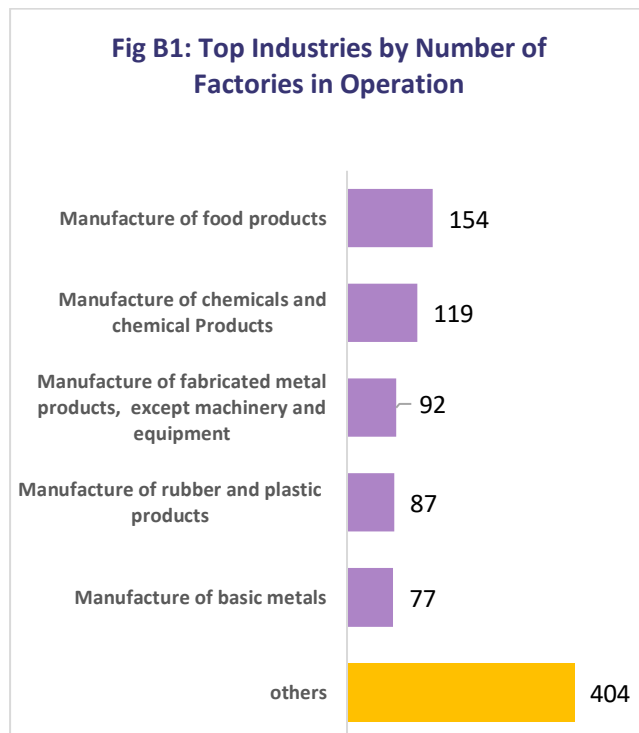
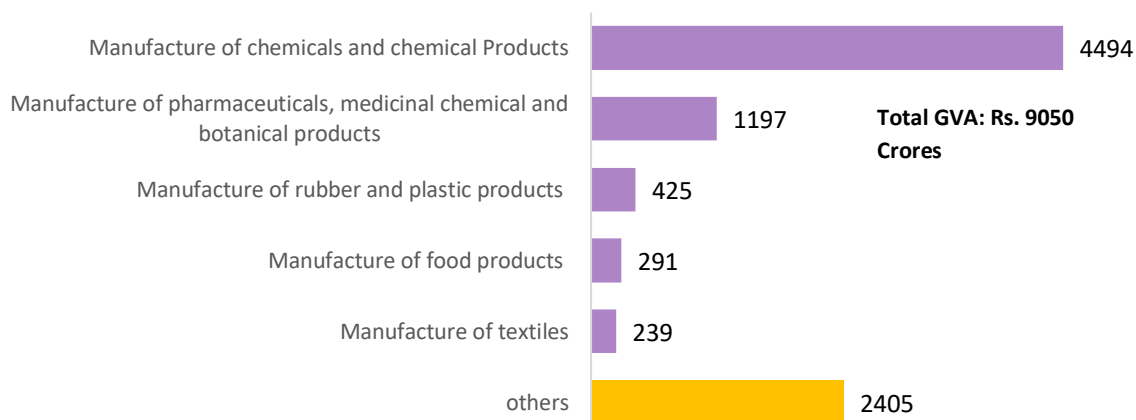


Fig B5: Top Industries with Gross Value Added(Rs. in Crores)



C. Principal Characteristics – UT level

C (a) Principal Aggregates – UT Level:

Table: C-1 Value of Principal Characteristics

S.No.	Characteristics	Unit	ASI Year	
			2019-20	2020-21
1	Factories in Operation	Numbers	927	933
2	Fixed Capital	₹ Lakhs	832184	802731
3	Invested Capital	₹ Lakhs	1242224	1265657
4	Workers	Numbers	52143	50713
5	Total Persons Engaged	Numbers	66835	65054
6	Wages to Worker	₹ Lakhs	76002	75239
7	Total Emoluments	₹ Lakhs	164495	156102
8	Input=(Fuel Consumed+ Material consumed+ Other Input)	₹ Lakhs	2270961	2457539
9	Output	₹ Lakhs	3008639	3362527
10	GVA = (Output-Input)	₹ Lakhs	737678	904988
11	Depreciation	₹ Lakhs	73051	70702
12	NVA = (GVA-Depreciation)	₹ Lakhs	664627	834287
13	Rent Paid= (Rent paid for land on lease or royalties on mines, quarries and similar assets)	₹ Lakhs	941	857
14	Interest Paid	₹ Lakhs	35992	29394
15	Net Income = {NVA-(Rent Paid+Interest Paid)}	₹ Lakhs	627694	804035
16	Wages &Salaries ,Employer's Contribution	₹ Lakhs	180737	170974

FIG 1:GROSS VALUE ADDED (GVA) AND NET VALUE ADDED (NVA) – J&K UT

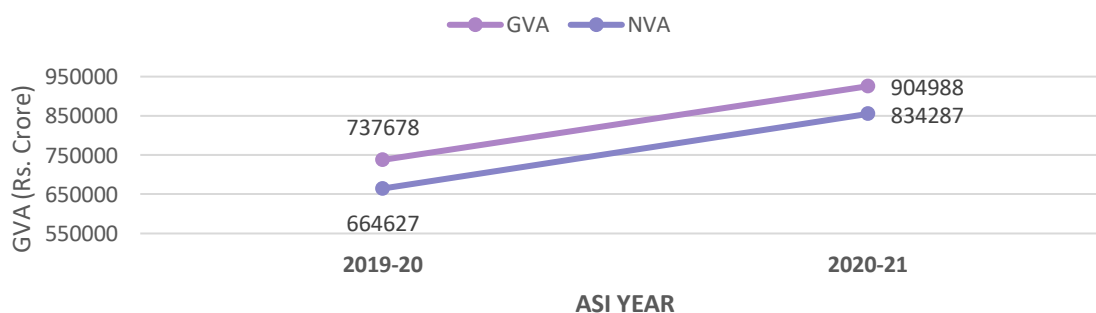


Table C-1 represents the estimates for principal characteristics for the whole factory sector at the J&K UT level for the year 2020-21 along with respective values in the last one year.

Table C-1 shows that in 2020-21, there have been 933 registered operating factories in UT of J&K. This is found to be higher by 0.65% than that of last year. These factories together have a total stock of fixed capital worth ₹ 802731 Lakhs and invested capital ₹ 1265657 Lakhs. These are lower by 3.54% and higher 1.89%, respectively compared to those estimated in ASI 2019-20. These factories have provided employment to 65054 persons and distributed ₹ 156102 Lakhs as emoluments to employees.

These factories have consumed inputs both industrial and non-industrial in nature, worth ₹ 2457539 Lakhs to produce ₹ 3362527 Lakhs, worth of goods and services valued at ex-factory prices and contributed ₹ 834287 Lakhs by way of net value added through manufacturing to the UT income.

The input and output have shown increase of 8.22% and 11.76% respectively, the net value added grew by 25.53% and net income grew by 28.09% in ASI 2020-21 as compared to those estimated as per the previous ASI.

Table: C-2 Observed Growth Rate

Characteristics	Percentage Growth	
	2020-21 Over 2019-20	
Factories in Operation		0.65
Fixed Capital		-3.54
Invested Capital		1.89
Workers		-2.74
Total Persons Engaged		-2.66
Wages to Worker		-1.00
Total Emoluments		-5.10
Input		8.22
Output		11.76
GVA		22.68
Depreciation		-3.22
NVA		25.53
Rent Paid		-8.93
Interest Paid		-18.33
Net Income		28.09
Net Profit		29.67

Table C-2 displays the concerned annual growth rates for the principal characteristics.

C(b). Structural Ratios and Technical Co-efficients:

A few structural ratios and technical co-efficients derived from the macro level estimates of Principal Characteristics for the current year have been given as under. It may be noted that the ratios are subject to, certain limitations due to the changes in prices of commodities from year to year. Some of these ratios particularly value based characteristics are not strictly comparable over time.

Table C-3: Structural Ratios

Structural Ratios	S.No.	Characteristics	Unit	Year	
				2019-20	2020-21
				1	Fixed capital per factory in operation
2	Total Persons engaged per factory in operation	Number	72	70	
3	Workers per factory in operation	Number	56	54	
4	Gross Output per factory in operation	₹ Lakhs	3246	3604	
5	Gross Value Added (GVA) per factory in operation	₹ Lakhs	796	970	
6	Net Value Added (NVA) per factory in operation	₹ Lakhs	717	894	
7	Wages per worker	₹ Lakhs	1.45	1.48	

Table C-3 reveals that the average size of the factory, measured in terms of value-based characteristics, like, fixed capital by manufacture has maintained a mixed trend over previous year. The fixed capital per factory in operation has shown decline. Furthermore, the Gross Output per factory in Operation has exhibited an increase in the current year, whereas the Net Value Added per factory in Operation has shown growth. The Gross Value Added (GVA) per factory in operation and wages per worker has shown increase during the year.

The survey results revealed that in 2020-21, a factory with an average investment of ₹ 860 Lakhs in fixed capital has provided employment to 70 persons, produced goods and services at ex-factory prices worth ₹ 3604 Lakhs and contributed ₹ 970 Lakhs by way of net value added through manufacturing to the UT income.

Table C-4: Technical Co-efficients:

Technical Co-efficients	S.No.	Characteristics	Year	
			2019-20	2020-21
			1	Fixed Capital to Net value Added (NVA)
2	Fixed Capital to Output	0.28	0.24	
3	Net Value Added (NVA) to Output	0.22	0.25	
4	Gross Value Added GVA) to Fixed capital	0.89	1.13	
5	Output to Input	1.32	1.37	

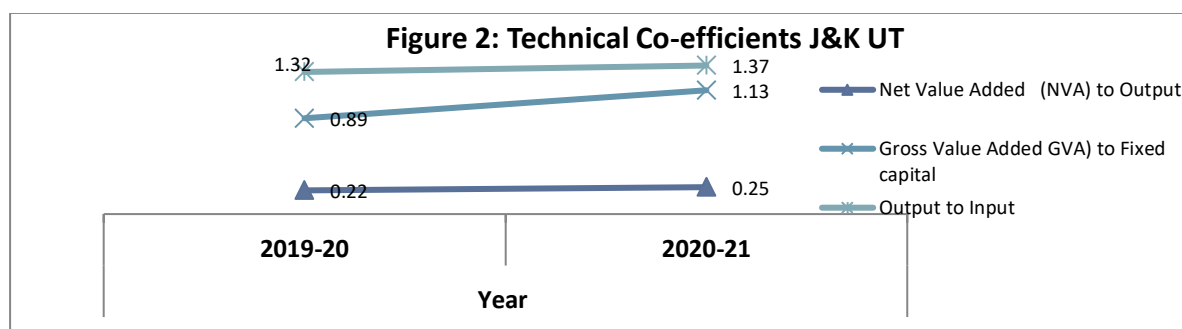


Table C-4 depicts the fixed capital to Net Value Added ratio, which provides a measure of the fixed capital required to produce one unit of net value added, has declined to 0.96 in 2020-21 as compared to the previous year. However, the fixed capital required to produce one unit of ex-factory output has decreased to 0.24. The level of efficiency, measured by the ratio of the net value added to gross output has increased to 0.25. The GVA to fixed capital ratio has increased to 1.13 from 0.89 and the output to input ratio has increased to 1.37. The trend of these technical co-efficients reveals that the industrial sector in J&K UT has shown growth during 2020-21.

Table C-5: Comparison of Structural Ratios of J&K with All India

Structural Ratios	S.No.	Characteristics	Unit	DES J&K	MoSPI
				(Pooled)	
				Year 2020-21	
1	Fixed capital per factory in operation	₹ Lakhs	860	898	
2	Total Persons engaged per factory in operation	Number	70	73	
3	Workers per factory in operation	Number	54	57	
4	Gross Output per factory in operation	₹ Lakhs	3604	3810	
5	Net Value Added (NVA) per factory in operation	₹ Lakhs	894	1011	
6	Wages per worker	₹ Lakhs	1.48	1.49	

Overall, factories in J&K tend to be smaller in terms of employment and investment, have lower output, but higher net value addition. This could indicate a focus on industries that create higher value with fewer resources. The wage levels, however, remain below the national average.

Table C-6: Comparison of Technical Co-efficients of J&K UT with All India

Technical Co-efficients	S.No.	Characteristics	DES J&K (Pooled)	MoSPI
			Year 2020-21	
	1	Fixed Capital to Net value Added (NVA)	0.96	2.77
2	Fixed Capital to Output	0.24	0.42	
3	Net Value Added (NVA) to Output	0.25	0.15	
4	Gross Value Added (GVA) to Fixed capital	1.13	0.44	
5	Output to Input	1.37	1.22	

J&K factories are more efficient in generating value-added output with less capital investment. They require fewer inputs to produce output compared to the national average. The higher efficiency in capital and resource usage suggests that J&K's industries might be focused on low-capital, high-value-added activities rather than large-scale manufacturing.

CHAPTER 1

INTRODUCTION

1.Scope and Coverage

Annual Survey of Industries (ASI) is the major source of Industrial Statistics. Industrial sector plays a pivotal role in the progress of State/UT economic status. ASI survey is being conducted every year to measure and assess the growth of industrial sector. The survey is designed to obtain comprehensive and detailed industrial data with the objective of estimating the contribution of registered manufacturing industries as a whole to the State/UT income. It is crucial for industries to grow both qualitatively and quantitatively to improve the economy. The wellbeing of the industries depends sternly on the formulation and promotion of industrial policies framed by the policymakers. To frame suitable industrial policies, the policymakers need to be conscious of the quantified aspect of the existing scenario in the industries in the State as well as in the Country. Collection of such statistical information is designated as 'Annual Survey of Industries'.

The objective of ASI 2020-21 is to collect the detail of fixed assets, working capital and loans, employment details, input items consumed, value of output, gross value added, emoluments etc. Although the scope of ASI extends to all registered manufacturing establishments in the UT of J&K, however, defense establishments, oil storage and distribution depots, restaurants, hotels, café and computer services, departmental units such as railway workshops, RTC workshops, Govt. Mints, sanitary, water supply, gas storage units etc. are excluded from the purview of the Survey. The present report has been prepared by pooling 107 State sample units and 499 Centre sample units (392 census units +107 sample scheme units).The selected Sample Units are located in eleven (11) districts of J&K viz. Jammu, Kathua, Samba, Rajouri, Udhampur, Doda, Pulwama, Anantnag, Srinagar, Baramulla and Budgam.

Directorate of Economics and Statistics, J&K has conducted the Annual Survey of Industries 2020-21 under the statutory provisions of the Collection of Statistics Act 2008(7 of 2009) and the rules framed there under in 2011. The Collection of Statistics Act (COS Act) prescribes annual collection of statistical information and enjoins the owners of factories/industrial concerns to submit the return as per the prescribed schedule/format by the Statistics Officer. A separate return for each registered factory/industrial concern has to be furnished as a rule and information furnished in all blocks of the return relate to the accounting year of the factory closing on any day between 1stApril and 31stMarch.

Coverage

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

'Any premises' including the precincts thereof: -

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

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

- i. Making, altering, ornamenting, finishing, packing, oiling, washing, cleaning, breaking up, demolishing or otherwise treating or adapting any article or substance with a view to its use, sale, transport, delivery or disposal; or,
- ii. Pumping oil, water or sewage; or
- iii. Generating, transforming or transmitting power; or,
- iv. composing types for printing by letter press, lithography, photogravure or other similar process or book binding; or,
- v. constructing, reconstructing, repairing, refitting, finishing or breaking up ships or vessels; or
- vi. preserving or storing any article in cold storage.

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

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

The Directorate of Economics & Statistics, J&K has followed the guidelines of the Industrial Statistics Wing of the National Statistical Office (NSO) of the Ministry of Statistics and Programme Implementation, which is responsible for designing of the Survey methodology, sample design, schedule, and software for pooling /tabulation. The field work of State sample units in the UT of J&K is carried out by District Statistics and Evaluation Officers (DSEOs) of J&K.

Unit of Enumeration

The primary unit of enumeration in the survey is a factory in the case of manufacturing industries, a workshop in the case of repair services, an undertaking or a licensee in the case of electricity, gas and water supply. The owner of two or more establishments located in the same state and pertaining to the same industry group and belonging to same scheme (census or sample) is, however, permitted to furnish a single consolidated return, termed as 'Joint Return'. Such consolidated returns are a common feature in case of some of the factories in ASI.

ASI frame

ASI frame is based on the list of registered factories/units maintained by the Chief Inspector of Factories (CIF) of J&K and those maintained by registration authorities in respect of Bidi and Cigar establishments. The frame is being revised / updated every year before selection of the units by the Field Operations Division (FOD) of NSO in consultation with the Chief Inspector of Factories (CIF) in the State. At the time of revision, de-registered factories are deleted from the ASI frame and the newly registered factories are added. In updating the frame, only new registrations are added to the existing frame. In spite of regular updating of the frame, quite a number of factories selected for the survey are deleted during the survey owing to various reasons such as non-existence, de-registration, out of coverage etc.

Apart from the factories in operation, the ASI frame comprises of factories which are categorized as 'Existing with fixed assets and maintaining staff but not having production' and 'Existing with fixed assets but not maintaining staff and not having production'.

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

2. Sample Design and Sample Allocation

All the units in the updated frame are divided into two parts –*Central Sample and State Sample*. The Central Sample consists of two schemes: Census and Sample. Under Census scheme, all the units are surveyed.

Census Scheme:

- (i) All industrial units belonging to the nine less industrially developed States/UTs viz. Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Tripura, Ladakh and Andaman & Nicobar Islands.
- (ii) All industrial units with Frame NIC=0893(Salt Extraction).
- (iii) For the States/UTs other than those mentioned in(i),
 - a) Units having 75 or more employees from six States/UTs, namely, Jammu & Kashmir, Himachal Pradesh, Rajasthan, Bihar, Chhattisgarh and Kerala;
 - b) Units having 50 or more employees from three States/UTs, namely,

- Chandigarh, Delhi and Puducherry;
- c) Units having 100 or more employees for rest of the States/UTs, not mentioned in (a) and (b) above and;
 - d) All factories covered under 'Joint Return'(JR), where JR should be allowed when the two or more units located in the same State/UT, same sector and belong to the same industry (3-digit level of NIC-2008) under the same management.
- (iv) After excluding the Census Scheme units in the above manner (i, ii, iii), the strata are formed at (State x District x Sector x 3 digit NIC-2008). Here, "Sector" is very broad economic activity group consisting of manufacturing, electricity generation activity and Bidi production. Thus, in short, sectors are (a) Bidi (b) Manufacturing and (c) Electricity. All units belonging to the strata (i.e, formed on the basis of units in state by district by sector by 3-digit NIC-2008) having less than or equal to four units are completed enumerator and are thus considered as 'Census Sector ' units.

Sample Scheme:

- (i) All the remaining units in the frame are considered under Sample Scheme. For all the states, each stratum is formed on the basis of State x District x Sector x 3-digit NIC-2008. The units are arranged in descending order of their total number of employees. Samples are drawn using Circular Systematic Sampling technique for this scheme. An even number of units with a minimum of 4 units are selected and distributed in four sub-samples. It may be noted that in certain cases each of 4 sub-samples from a particular stratum may not have equal number of units.
- (ii) Out of these 4 sub-samples, two pre-assigned sub-samples (1 & 3) are given to NSO (FOD) and the other two-subsamples (2 & 4) are given to concerned State/UT for data collection.
- (iii) All census units *plus* all the units belonging to the two sub-samples given to NSO (FOD) are treated as the **Central Sample**.
- (iv) The units belonging to the two sub-samples allocated to state/UTs are to be canvassed by the respective States/UTs. Hence, state/UT has to use the data collected by NSO (FOD) and processed by Industrial Statistics (IS) wing, Data Quality Assurance Division (DQAD), NSO along with the state sample data while deriving the district level estimates for their respective state/UT.
- (v) The entire census scheme units plus all the units belonging to the two sub-samples given to NSO (FOD) plus all the units belonging to the two sub-samples given to state/UT are required for pooling of Central and State Samples.

3. Reference Period

Reference period for ASI 2020-2021 has been the accounting year of the factory, ending on any day during the financial year 2020-21. Thus in ASI 2020-21, data collected from establishments relate to their respective accounting years that ended on any day between 1st April 2020 and 31st March 2021. The survey was conducted during July 2022 to November 2023.

4. Schedule of Enquiry

The schedule for ASI 2020-2021 has two parts:

Part-I which is processed at IS Wing, DPD, NSO, aims to collect data on fixed assets and liabilities, employment and labour cost, sundry receipts, sundry expenses, materials consumed– indigenous and imported, products and by-products manufactured, distributive expenses etc.

Part-II which is processed by the Labour Bureau, aims to collect data on different aspects of labour statistics, namely, working days, man-days worked, absenteeism, labour turnover, man-hours worked, earning and social security benefits.

The schedule for ASI 2020-21 is given as **Annexure-III**.

5. Estimation Procedure

The detail procedure for estimation of characteristics/ parameter has been given in **Annexure II**. The results presented in this report are based on the pooling of centre data collected by FOD, NSO and processed by IS wing, DPD, NSO and state sample data collected by the DSEOs of J&K and processed/tabulated by survey section of DES, J&K. Moreover, all the estimated value figures given in this publication are reported at current prices.

6. Limitations

The results presented in this publication are based on the pooled data of central sample data collected by FOD NSO, processed by IS Wing, DQAD, NSO and state sample data collected by DSEOs of J&K. The results of ASI 2020-21 are being released at 2/3 digit level of NIC-2008 for J&K UT as well as for various districts of J&K UT. This publication contains tables related to fixed capitals and value added, employment and labour cost, fuels consumed etc. The input/output items are classified as per National Product Classification for Manufacturing Sector (NPCMS), 2011(revised).

All the estimates, especially for quantity and value figures for any particular items consumed and produced, are subject to Statistical Errors as these are estimated on the basis of selected sample.

In certain cases, there may be abnormal growth/ decline in some characteristics as compared to the previous year. The possible reasons for the same are as follows:

- a) Inclusion/deletion of units in the frame, particularly in the census sector.
- b) Selection/ Non-selection of some sample units, having considerable value of multiplier attached to it.
- c) Closure/ Non-operation of units, which had the significant effect on the economy in the previous year.
- d) Movement of the sample units in the previous year to Census units in the current year, depending either on the size of employment or due to the sampling strategy or both, and vice-versa.
- e) High/Low performance of the units in the current year, as compare to its performance in the previous year due to various reasons.

CHAPTER-2

SUMMARY OF FINDINGS AT UT/ DISTRICT LEVEL

The industrial sector is one of the important sectors of the economy and hence compilation of industrial statistics assumes a crucial importance, both for research and policy-making. Multifarious information like assets, liabilities, employment and labour cost, receipts, expenses, input items: indigenous and imported, products and by-products etc. regarding industrial units involved in the manufacturing process and repair services of the organized manufacturing sector are collected through ASI survey. This information is a benchmark for assessing the status of economic growth and thus helps planners and policy makers in framing new industrial policies. The present Chapter gives the comparative study of the estimates of the principal characteristics and its percentage distribution at the state/district levels. The pooled estimated results presented in this chapter are related to reported factories of both Census and sample sector.

According to the survey, the number of Factories in Operation, Capital of the Industries, Total Input, Total Output, Gross Value Added (GVA), Gross Fixed Capital Formation (GFCF), Net Income, Profit, and so on are some of the primary features of the industrial sector that has been estimated. The survey also estimates the employment details of the worker engaged in the factories of the manufacturing sector.

Several important Industrial characteristics such as Fixed Capital, Working Capital, Invested Capital, Number of Employees, Workers and Emoluments paid to them, Value of output, Value of input, Net Value Added, Gross value Added, etc. in J&K UT for the year 2020-21 are reflected in the table 2.1 given below:

Table 2.1: A. Principal Characteristics of factories of J&K for the year 2020-21			
S. No.	Characteristics	Unit	Number / Value
1	Total Factories	(in Numbers)	1009
2	Factories in Operation	(in Numbers)	933
3	Fixed Capital	(in crores)	8027
4	Physical Working Capital	(in crores)	4629
5	Working Capital	(in crores)	5944
6	Invested Capital	(in crores)	12657
7	Gross Value of Addition to Fixed Capital	(in crores)	552
8	Rent Paid for Fixed Assets	(in crores)	9
9	Outstanding Loan	(in crores)	2604
10	Interest Paid	(in crores)	294
11	Rent Received	(in crores)	0
12	Interest Received	(in crores)	83
13	Gross Value of Plant & Machinery	(in crores)	7644
14	Value of Product and By-Product	(in crores)	31298
15	Other Output	(in crores)	2327
16	Total Output	(in crores)	33625
17	Fuels Consumed	(in crores)	607
18	Materials Consumed for manufacturing	(in crores)	20926
19	Other Inputs	(in crores)	3042
20	Total Inputs	(in crores)	24575
21	GVA	(in crores)	9050
22	Depreciation	(in crores)	707
23	NVA	(in crores)	8343
24	Gross Capital Formation	(in crores)	-307
25	Net Income	(in crores)	400
26	Net profit	(in crores)	491
B. Employment Details			
1	Average no. of persons engaged	(in Numbers)	65054

S. No.	Characteristics	Unit	Number / Value
2	Workers	(in Numbers)	50713
2.1	Directly employed	(in Numbers)	25904
2.1 (i)	Men	(in Numbers)	24481
2.1 (ii)	Women	(in Numbers)	1423
2.2	Employed through contractors	(in Numbers)	24809
3	Employees other than worker	(in Numbers)	14025
3.1	Supervisory & Managerial Staff	(in Numbers)	5745
3.2	Other employees	(in Numbers)	8280
4	Unpaid family members/Proprietor	(in Numbers)	316
5	Man-days employed, Total (Thousands))	(in Numbers	19324
6	Wages & Salaries, Employer's contribution	(in crores)	1710
7	Wages & Salaries, Employer's including Bonus	(in crores)	1561
7.1	Wages & Salaries	(in crores)	1507
7.2	Workers	(in crores)	752
7.3	Supervisory & Managerial Staff	(in crores)	478
7.4	Other Employees	(in crores)	277
7.5	Bonus to all staff	(in crores)	54
8	Employer's Contribution etc.	(in crores)	149

District wise aggregates of principal characteristics both in terms of values and their percentage share have been analysed and are presented in the following tables.

- The survey indicates that 933 registered manufacturing units are operational in J&K during 2020-21 out of which maximum units are found in Samba (38.30%) followed by Jammu (31.72%).

S. No.	District	Number of Factories in Operation	Percentage of Factories in operation
1	Samba	357	38.30
2	Jammu	296	31.72
3	Kathua	110	11.76
4	Srinagar	81	8.68
5	Budgam	27	2.89
6	Pulwama	25	2.68
7	Udhampur	16	1.71
9	Anantnag	10	1.08
8	Baramulla	8	0.87
10	Others*	3	0.32
	J&K	933	100

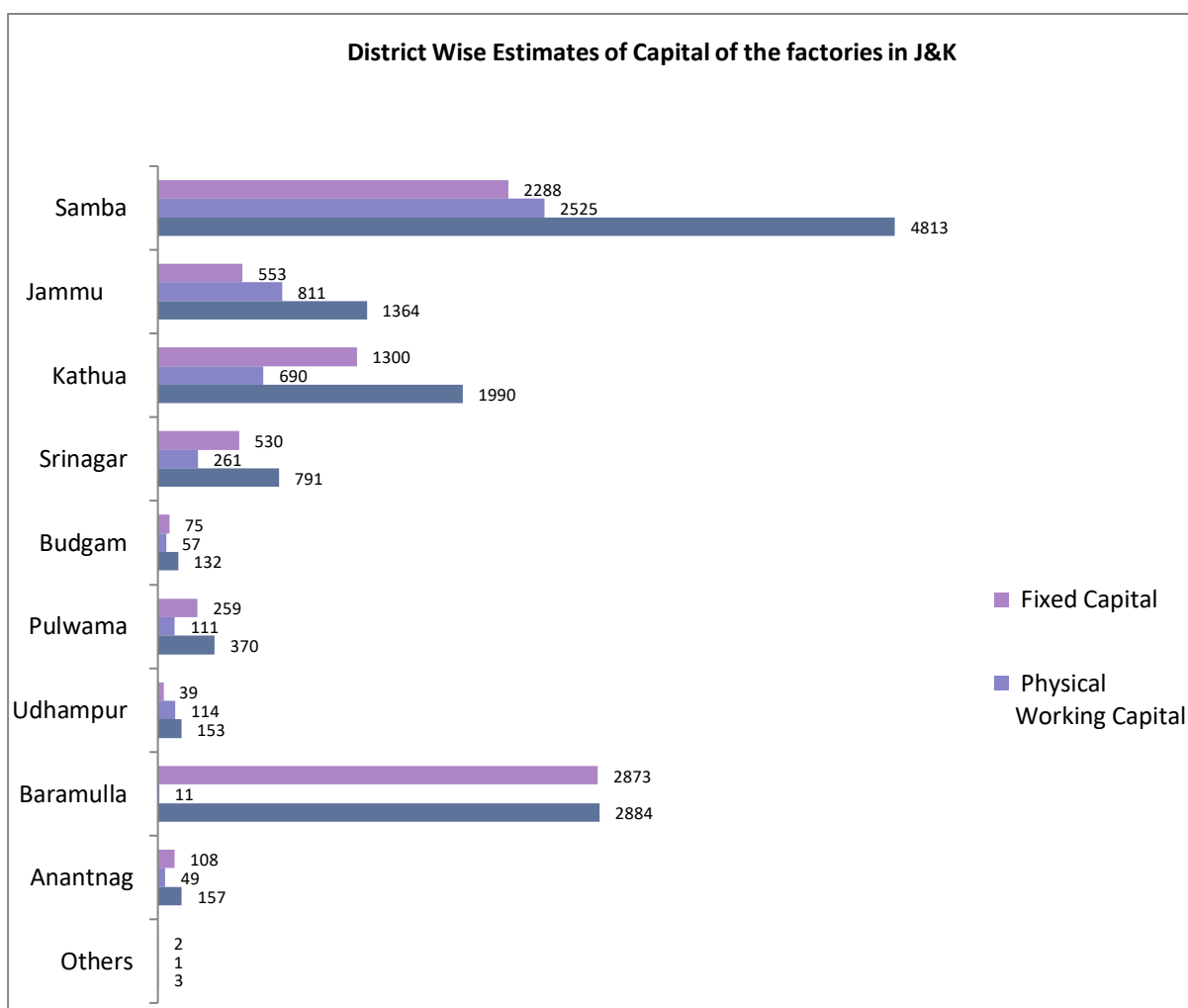
*Others District Doda and Rajouri

- The survey depicts that the manufacturing units account for fixed capital of Rs. 8027Crores, Physical Working Capital worth Rs 4629Crores and Invested Capital amounting to Rs.12657Crores for J&K during 2020-21.

Table 2.3: District Wise Estimates of fixed Capital, Physical Working Capital and Invested Capital of the factories in J&K for the year 2020-21

S.No	District	(Rs. in Crores)		
		Fixed Capital	Physical Working Capital	Invested Capital
1	Samba	2288	2525	4813
2	Jammu	553	811	1364
3	Kathua	1300	690	1990
4	Srinagar	530	261	791
5	Budgam	75	57	132
6	Pulwama	259	111	370
7	Udhampur	39	114	153
8	Baramulla	2873	11	2884
9	Anantnag	108	49	157
10	Others*	2	1	3
J&K		8027	4629	12657

***Districts Doda and Rajouri**



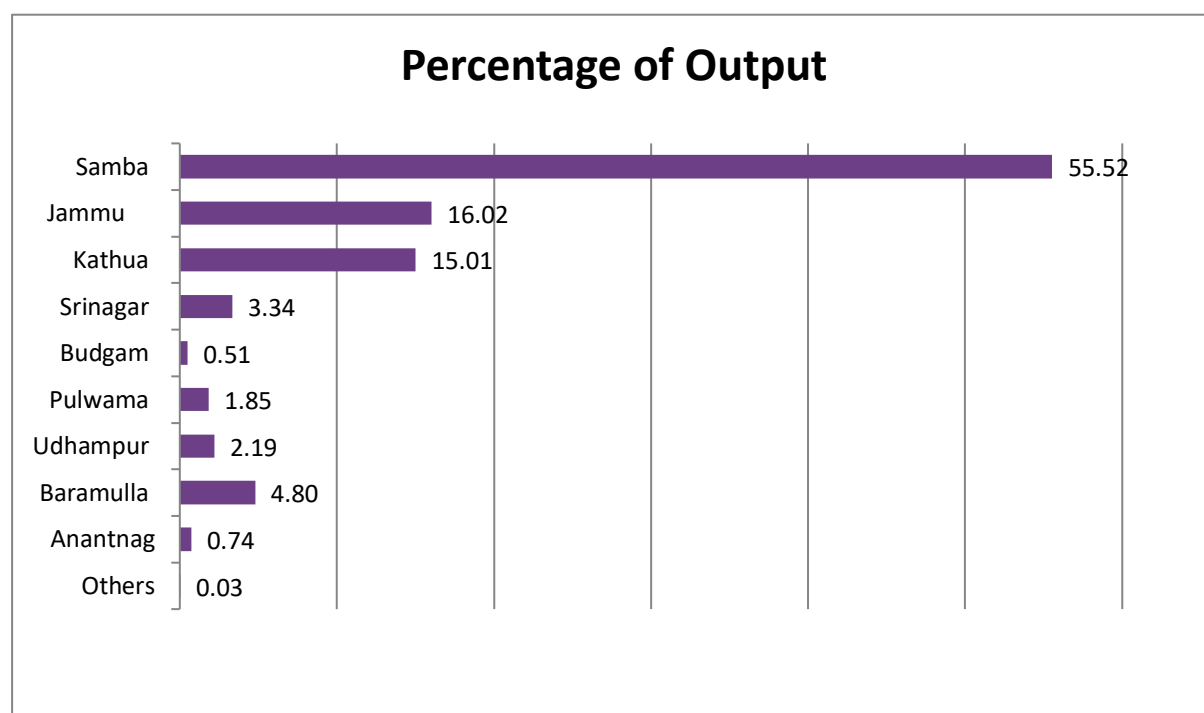
➤ The manufacturing units have consumed input worth Rs **24333 Crores** to produce an output of Rs **33625 Crores** in J&K UT for the year 2020-21.

The survey further shows that Samba, Jammu and Kathua ranks among the top districts and these three districts constitutes 88.26% of Total Input & 86.55% of Total Output.

Table 2.4: District Wise Estimates of Input and Output of registered Manufacturing factories in J&K for the year 2020-2021.

S. No.	Districts	Total Input (Rs. in crores)	Percentage of Input	Total Output (Rs. in crores)	Percentage of Output
1	Samba	13390	54.50	18668	55.54
2	Jammu	4352	17.72	5386	16.02
3	Kathua	3947	16.07	5047	15.01
4	Srinagar	957	3.89	1123	3.34
5	Budgam	149	0.61	170	0.51
6	Pulwama	636	2.59	621	1.85
7	Udhampur	511	2.08	737	2.19
8	Baramulla	458	1.87	1614	4.80
9	Anantnag	166	0.68	248	0.74
10	Others*	8	0.03	11	0.03
J&K		24333	100	33625	100

***District Doda and Rajouri**



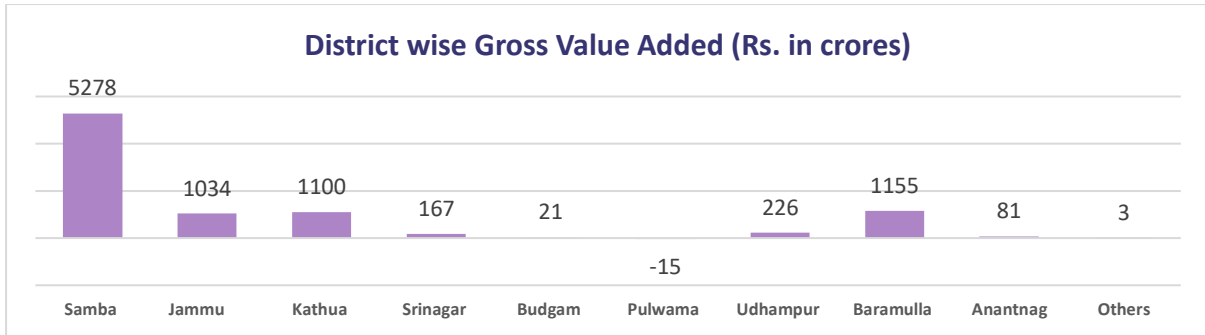
- The manufacturing units have contributed Rs **9050 Crores** as GVA and Rs **8343 Crores** as Net Value Added in J&K for the year 2020-21.

The survey shows that districts Samba, Kathua and Jammu together contributed 81.90% in total GVA.

Table 2.5: District Wise Estimates of Gross Value Added (GVA) and Net value added (NVA) of registered Manufacturing factories in J&K for the year 2020-21

S. No.	Districts	Gross Value Added (GVA) in crores	Percentage of GVA	Net Value Added (NVA) in crores	Percentage of NVA
1	Samba	5278	58.32	5024	60.21
2	Jammu	1034	11.43	963	11.54
3	Kathua	1100	12.15	963	11.54
4	Srinagar	167	1.84	138	1.65
5	Budgam	21	0.23	15	0.18
6	Pulwama	-15	-0.17	-30	-0.36
7	Udhampur	226	2.50	221	2.65
8	Baramulla	1155	12.77	977	11.71
9	Anantnag	81	0.90	71	0.85
10	Others*	3	0.03	2	0.03
J&K		9050	100.00	8343	100.00

***District Doda and Rajouri**



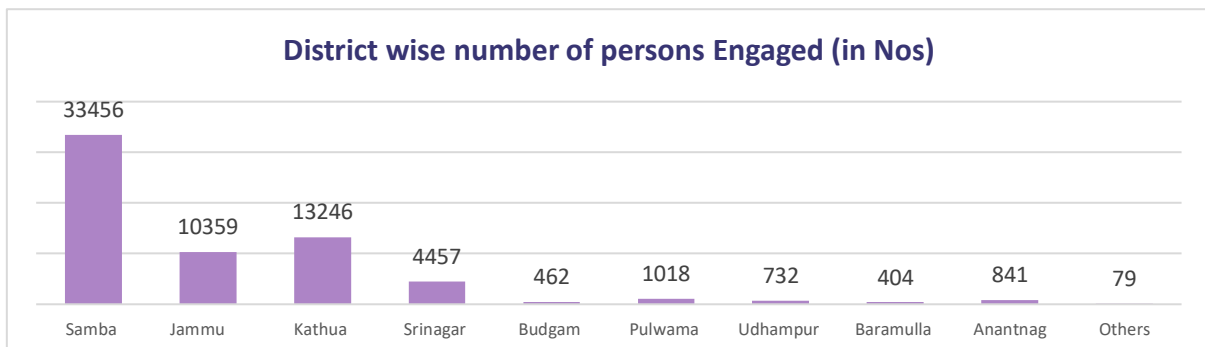
- Total persons relates to all persons engaged by the factory whether for wages or not, in work connected directly or indirectly with the manufacturing process and include all administrative, technical and clerical staff as also labour in production of capital assets for management or engaged in administrative 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.

The survey indicates that **65054** number of persons were working in the manufacturing factories of J&K with emoluments paid amounting to Rs. **1561** Crores. While comparing the district wise number of persons working under different industrial sectors of J&K, district Samba, Jammu and Kathua have engaged maximum persons in the factories (87.71%).

Table 2.6: District wise Number of Persons engaged and Emoluments Paid, Workers and wages paid to workers of registered factories in J&K for the year 2020-21

S. No.	District	Number of persons Engaged (in Nos)	Total Emoluments Paid (in Rs. crores)	Workers (in Nos)	Wages to workers (in Rs. crores)
1	Samba	33456	844.92	25761	354.36
2	Jammu	10359	189.59	7812	94.95
3	Kathua	13246	261.59	11464	153.88
4	Srinagar	4457	116.57	2965	70.09
5	Budgam	462	8.89	309	5.42
6	Pulwama	1018	29.05	798	15.12
7	Udhampur	732	16.35	668	13.20
8	Baramulla	404	65.91	265	31.13
9	Anantnag	841	26.94	607	13.18
10	Others*	79	1	66	1
J&K		65054	1561	50713	752

***Others District Doda and Rajouri**



CHAPTER-3

SUMMARY OF FINDINGS BY 2-DIGIT INDUSTRY CLASS (NIC-2008) AT UT LEVEL

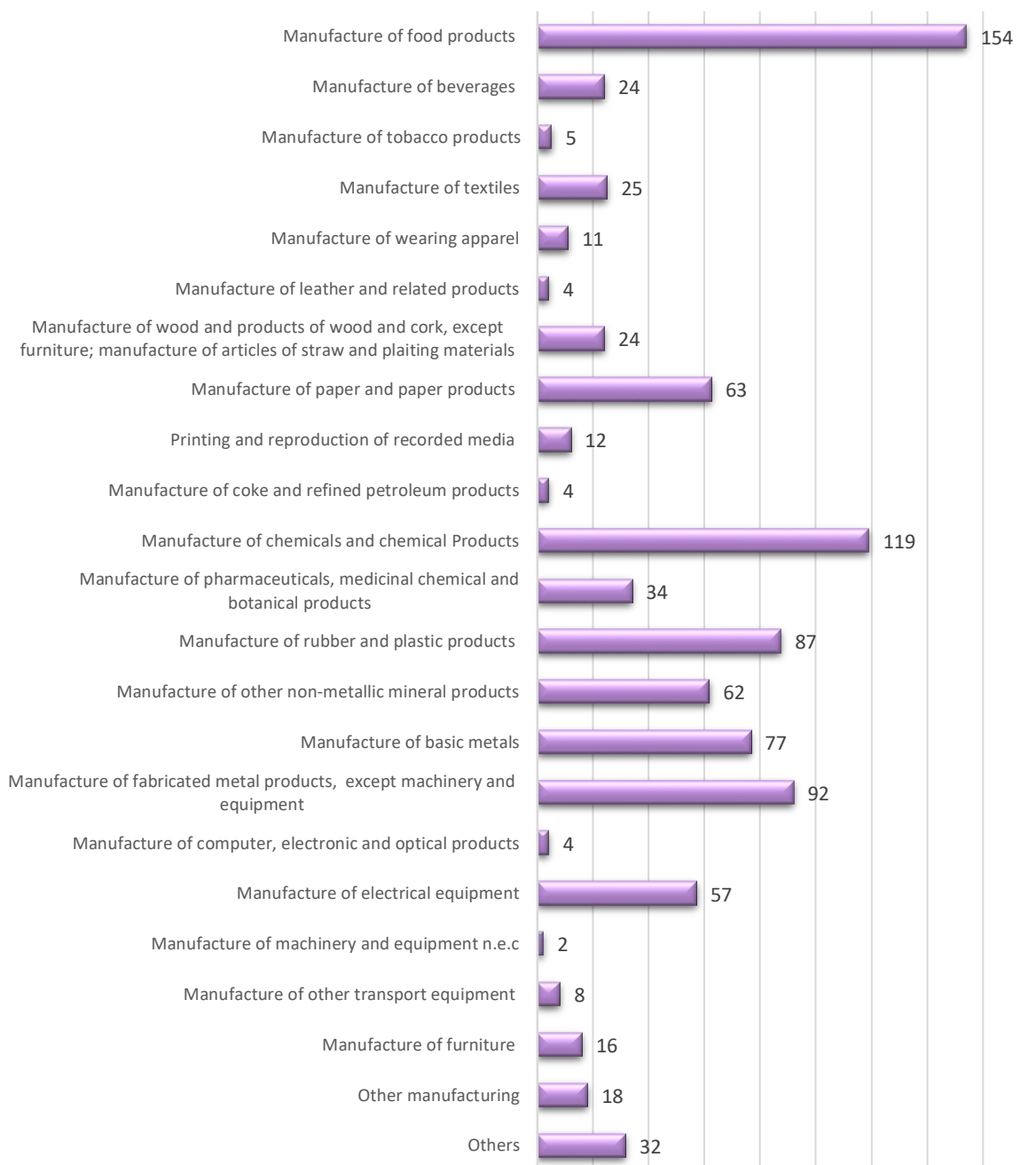
In this survey, an effort has been made to present industrial statistics based on 2-digit NIC 2008 classification. It helps decision makers determine how much each economic activity contributes to the state's economy and develop strategies that will advance the sector.

The estimated number of factories in operation and their respective percentage distribution in terms of National Industrial Classification (NIC-2008) 2-digit codes in the year 2020-21 for J&K is depicted in the below table.

- The survey shows that **Manufacture of food products (16.51%)** ranks among the top industry in terms of factories in operation in the organized manufacturing sector. **Manufacture of chemicals and chemical Products (12.75%)** and **Manufacture of fabricated metal products, except machinery and equipment (9.86%)** stands second and third in terms of operational factories followed by **Manufacture of rubber and plastic products (9.37%)** and **Manufacture of basic metals (8.22%)**.

Table 3.1: Distribution of Factories in operation by 2-digit NIC 2008 in J&K for the year 2020-21				
S.No.	Description	Nic 2-digit (2008)	Number of Factories in Operation	percentage of Factories in operation
1	Manufacture of food products	10	154	16.51
2	Manufacture of beverages	11	24	2.57
3	Manufacture of tobacco products	12	5	0.54
4	Manufacture of textiles	13	25	2.68
5	Manufacture of wearing apparel	14	11	1.18
6	Manufacture of leather and related products	15	4	0.43
7	Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	16	24	2.57
8	Manufacture of paper and paper products	17	63	6.70
9	Printing and reproduction of recorded media	18	12	1.29
10	Manufacture of coke and refined petroleum products	19	4	0.43
11	Manufacture of chemicals and chemical Products	20	119	12.75
12	Manufacture of pharmaceuticals, medicinal chemical and botanical products	21	34	3.64
13	Manufacture of rubber and plastic products	22	87	9.37
14	Manufacture of other non-metallic mineral products	23	62	6.61
15	Manufacture of basic metals	24	77	8.22
16	Manufacture of fabricated metal products, except machinery and equipment	25	92	9.86
17	Manufacture of computer, electronic and optical products	26	4	0.43
18	Manufacture of electrical equipment	27	57	6.12
19	Manufacture of machinery and equipment n.e.c	28	2	0.21
20	Manufacture of other transport equipment	30	8	0.86
21	Manufacture of furniture	31	16	1.71
22	Other manufacturing	32	18	1.93
23	Others		32	3.39
TOTAL			933	100

Distribution of Factories in operation by 2-digit NIC 2008 in J&k for the year 2020-21

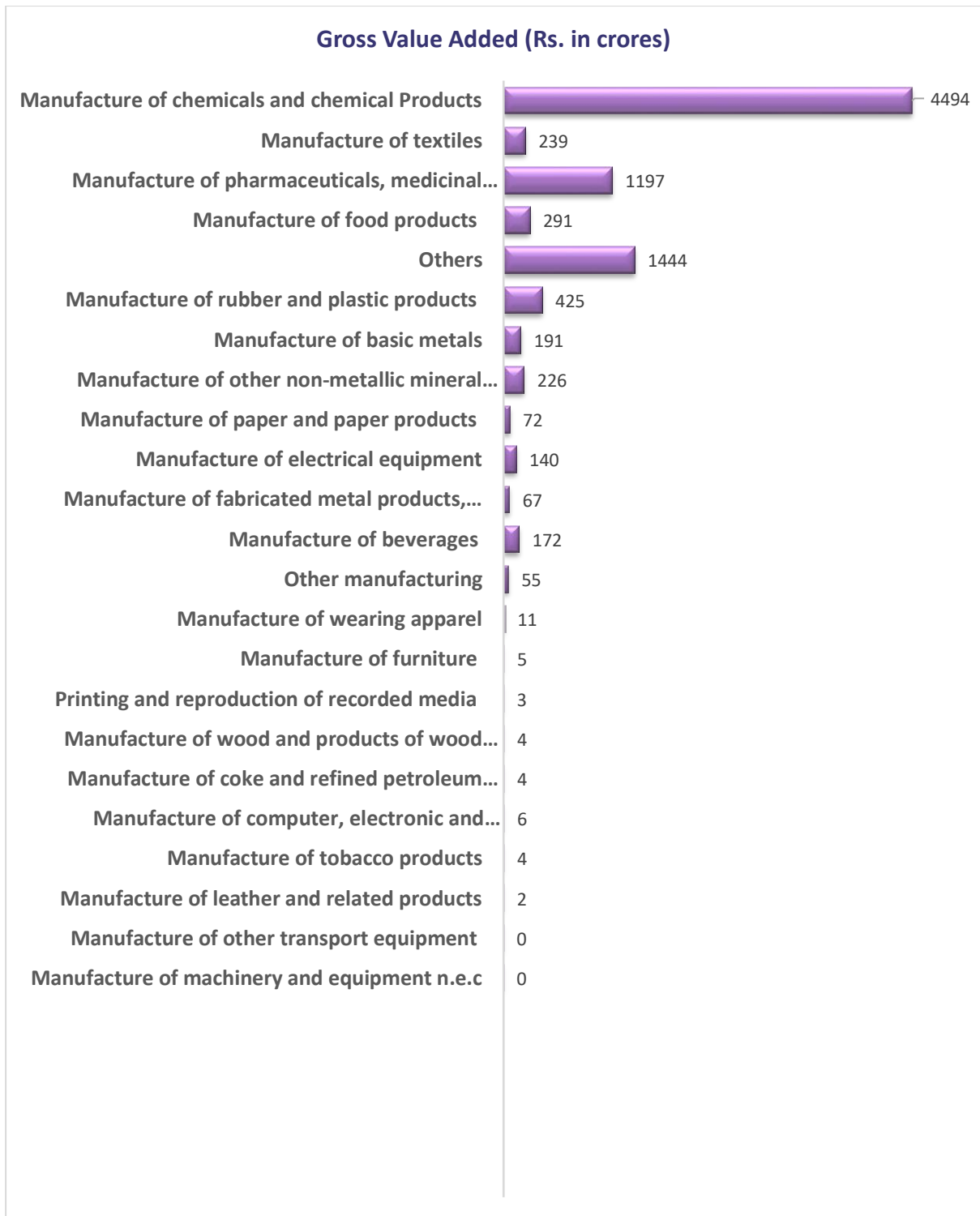


- The distribution of factories in operation belonging to the factory sector by the number of persons engaged as also certain selected characteristics namely, GVA, NVA, Fixed Capital and Total Output associated with them and is reflected in the below table.

It has been observed that Manufacture of chemicals and chemical Products, Manufacture of textiles, Manufacture of pharmaceuticals, medicinal chemical and botanical products, Manufacture of food products, Manufacture of Others are the top five industries that provides a gainful employment to

66.02% of the total persons engaged thereby producing 71.77% of the total output and generates 86.23% of the net value added by utilizing 7.93 % of the fixed capital and contributes a total of the 74.69 % of the total Gross Value Added.

Table 3.2: Distribution of Factories in operation for the principal characteristics of GVA, NVA, Fixed capital and Total Output arranged in the descending order by the size of persons engaged.							
S.No.	Description	2 Digit NIC 2008	No. of persons engaged (no.)	Gross Value Added (Rs. in crores)	Net Value Added (Rs. in crores)	Fixed Capital (Rs. in crores)	Total Output (Rs. in crores)
1	2	3	4	5	6	7	8
1	Manufacture of chemicals and chemical Products	20	17465	4494	4391	921	14182
2	Manufacture of textiles	13	7868	239	199	531	952
3	Manufacture of pharmaceuticals, medicinal chemical and botanical products	21	7554	1197	1155	326	2284
4	Manufacture of food products	10	5557	291	252	422	3867
5	Others*		4503	1444	1198	3574	2848
6	Manufacture of rubber and plastic products	22	4216	425	347	568	2454
7	Manufacture of basic metals	24	3713	191	168	216	2281
8	Manufacture of other non-metallic mineral products	23	3664	226	189	469	832
9	Manufacture of paper and paper products	17	2033	72	60	117	581
10	Manufacture of electrical equipment	27	1918	140	131	61	1247
11	Manufacture of fabricated metal products, except machinery and equipment	25	1801	67	58	81	399
12	Manufacture of beverages	11	1601	172	130	409	675
13	Other manufacturing	32	1584	55	46	59	205
14	Manufacture of wearing apparel	14	375	11	11	4	22
15	Manufacture of furniture	31	363	5	2	127	29
16	Printing and reproduction of recorded media	18	215	3	2	9	13
17	Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	16	175	4	3	16	17
18	Manufacture of coke and refined petroleum products	19	172	4	-7	103	702
19	Manufacture of computer, electronic and optical products	26	81	6	5	3	8
20	Manufacture of tobacco products	12	79	4	3	8	18
21	Manufacture of leather and related products	15	65	2	2	3	9
22	Manufacture of other transport equipment	30	36	0	0	1	1
23	Manufacture of machinery and equipment n.e.c	28	17	0	0	0	2
TOTAL			65054	9050	8343	8027	33625
*Others NICs 29,33,35,45,52 and 96							

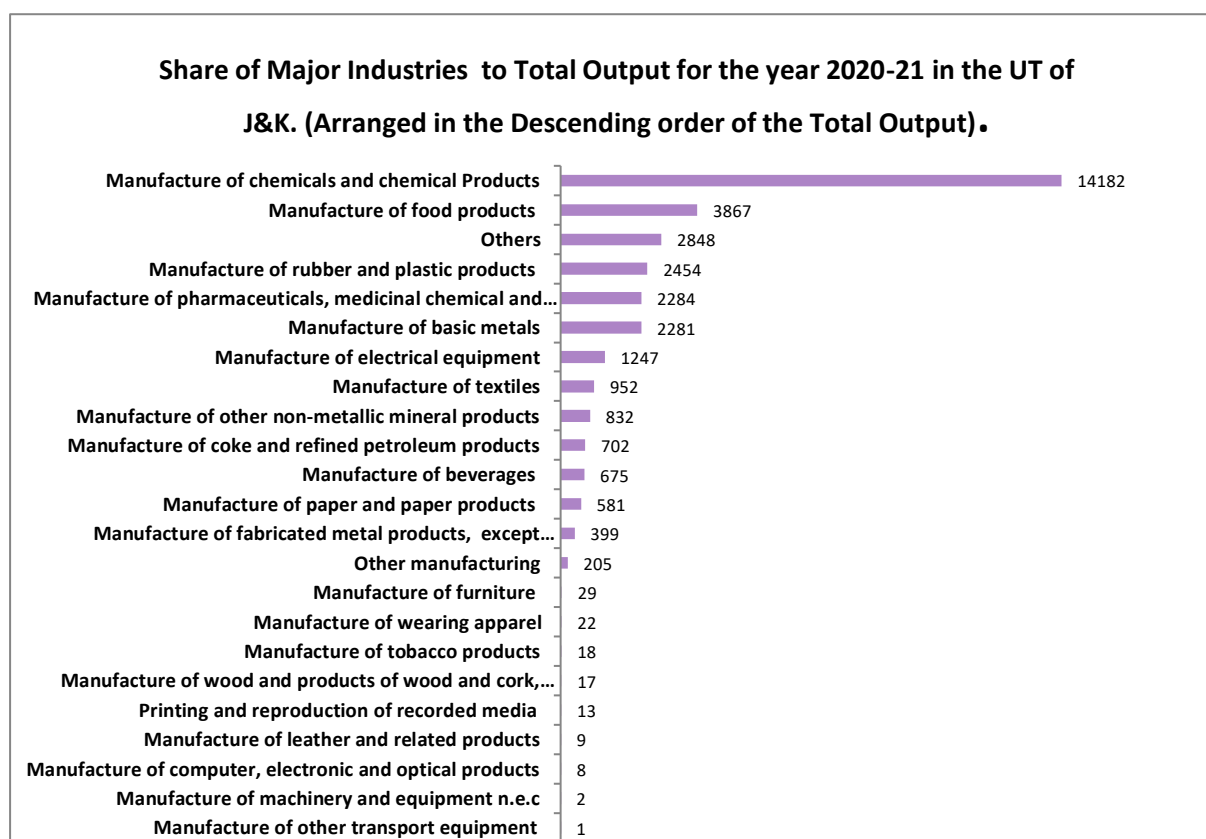


- The share of major industries contributing in the total output within J&K for the year 2020-21 is given in table below.
The survey delineates that 'Manufacture of chemicals and chemical Products' has the highest proportion in respect of the total output by contributing a maximum (42.18%), followed by Manufacture of food products contributes a total of (11.50%) .

Table 3.3: Share of Major Industries contributing at least 80% in terms of Total Output for the year 2020-21 in the UT of J&K. (Arranged in the Descending order of the Total Output).

S.No.	Description	Nic 2-digit (2008)	(Rs. in Crores)	
			Total Output	Percentage
1	Manufacture of chemicals and chemical Products	20	14182	42.18
2	Manufacture of food products	10	3867	11.50
3	Others*		2848	8.47
4	Manufacture of rubber and plastic products	22	2454	7.30
5	Manufacture of pharmaceuticals, medicinal chemical and botanical products	21	2284	6.79
6	Manufacture of basic metals	24	2281	6.78
7	Manufacture of electrical equipment	27	1247	3.71
8	Manufacture of textiles	13	952	2.83
9	Manufacture of other non-metallic mineral products	23	832	2.47
10	Manufacture of coke and refined petroleum products	19	702	2.09
11	Manufacture of beverages	11	675	2.01
12	Manufacture of paper and paper products	17	581	1.73
13	Manufacture of fabricated metal products, except machinery and equipment	25	399	1.19
14	Other manufacturing	32	205	0.61
15	Manufacture of furniture	31	29	0.09
16	Manufacture of wearing apparel	14	22	0.06
17	Manufacture of tobacco products	12	18	0.05
18	Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	16	17	0.05
19	Printing and reproduction of recorded media	18	13	0.04
20	Manufacture of leather and related products	15	9	0.03
21	Manufacture of computer, electronic and optical products	26	8	0.02
22	Manufacture of machinery and equipment n.e.c	28	2	0.01
23	Manufacture of other transport equipment	30	1	0.00
TOTAL			33625	100.00

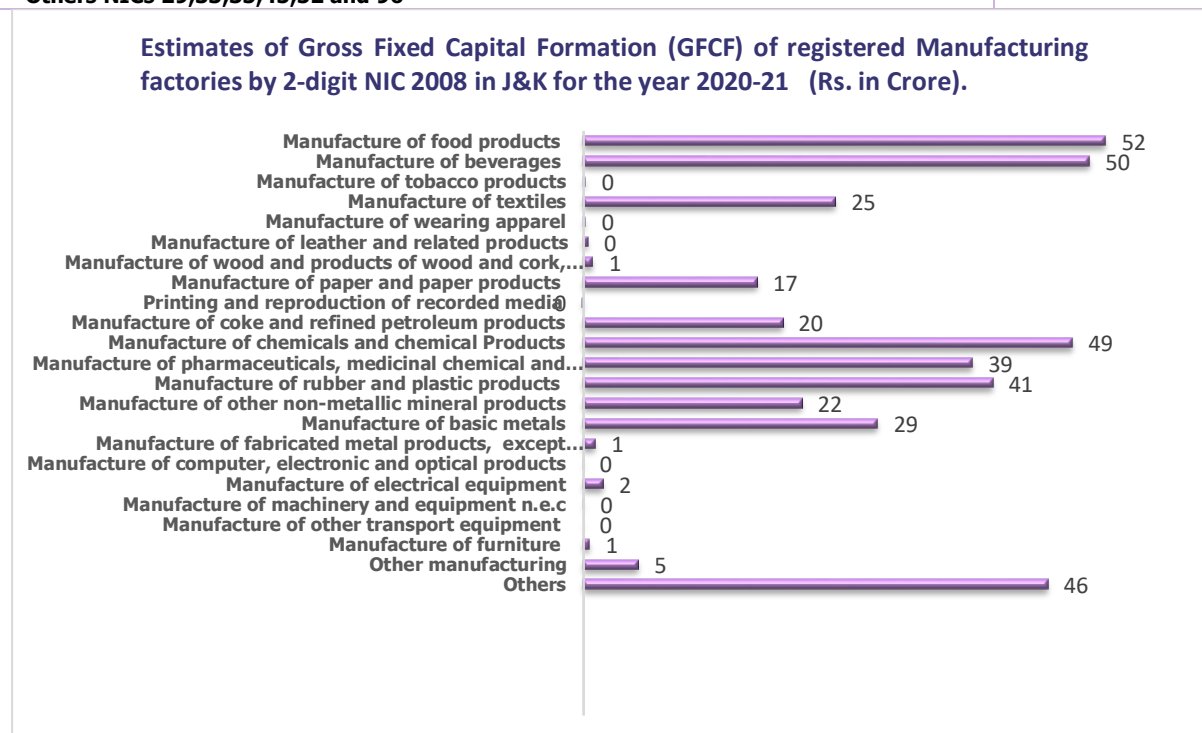
*Others NICs 29,33,35,45,52 and 96



➤ **Gross Fixed Capital Formation (GFCF)** is computed as the total of a producer's acquisitions of fixed assets over the accounting period, less disposals of those assets, plus a specific amount for services that increase the value of non-produced assets. The survey shows Manufacture of food products have the largest Gross Fixed Capital Formation, accounting for Rs 52 crores (12.97%), followed by the Manufacturing of beverages at an estimate of Rs. 50 crores (12.57%) as shown in table below:

S.No.	Description	2 Digit NIC 2008	Gross Fixed Capital Formation (GFCF) (Rs in crores)
1	Manufacture of food products	10	52
2	Manufacture of beverages	11	50
3	Manufacture of tobacco products	12	0
4	Manufacture of textiles	13	25
5	Manufacture of wearing apparel	14	0
6	Manufacture of leather and related products	15	0
7	Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	16	1
8	Manufacture of paper and paper products	17	17
9	Printing and reproduction of recorded media	18	0
10	Manufacture of coke and refined petroleum products	19	20
11	Manufacture of chemicals and chemical Products	20	49
12	Manufacture of pharmaceuticals, medicinal chemical and botanical products	21	39
13	Manufacture of rubber and plastic products	22	41
14	Manufacture of other non-metallic mineral products	23	22
15	Manufacture of basic metals	24	29
16	Manufacture of fabricated metal products, except machinery and equipment	25	1
17	Manufacture of computer, electronic and optical products	26	0
18	Manufacture of electrical equipment	27	2
19	Manufacture of machinery and equipment n.e.c	28	0
20	Manufacture of other transport equipment	30	0
21	Manufacture of furniture	31	1
22	Other manufacturing	32	5
23	Others*		46
TOTAL			400

***Others NICs 29,33,35,45,52 and 96**



- The survey results reveals that Manufacture of chemicals and chemical products are contributing highest with an estimate of Rs. 4330 crores (53.85%) in terms of Net Income and Net profit of Rs 3928crores (62.05%). Manufacture of pharmaceuticals, medicinal chemical and botanical products is ranked second at an estimate of Rs 1145 crores (14.24%) as net income and Rs 804 crores (12.69%) as net profit and is given in the table given below.

Table 3.5: Estimates of Net Income and Net Profit of registered Manufacturing factories by 2-digit NIC 2008 in J&K for the year 2020-21				
S.No.	Description	2 Digit NIC 2008	Net Income (Rs in crores)	Net Profit (Rs in crores)
1	Manufacture of food products	10	204	94
2	Manufacture of beverages	11	111	64
3	Manufacture of tobacco products	12	1	0
4	Manufacture of textiles	13	182	38
5	Manufacture of wearing apparel	14	10	4
6	Manufacture of leather and related products	15	1	0
7	Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	16	1	0
8	Manufacture of paper and paper products	17	51	22
9	Printing and reproduction of recorded media	18	2	-4
10	Manufacture of coke and refined petroleum products	19	-7	-22
11	Manufacture of chemicals and chemical Products	20	4330	3928
12	Manufacture of pharmaceuticals, medicinal chemical and botanical products	21	1145	804
13	Manufacture of rubber and plastic products	22	325	232
14	Manufacture of other non-metallic mineral products	23	156	39
15	Manufacture of basic metals	24	119	51
16	Manufacture of fabricated metal products, except machinery and equipment	25	54	21
17	Manufacture of computer, electronic and optical products	26	4	-3
18	Manufacture of electrical equipment	27	124	77
19	Manufacture of machinery and equipment n.e.c	28	0	0
20	Manufacture of other transport equipment	30	0	0
21	Manufacture of furniture	31	1	-7
22	Other manufacturing	32	46	21
23	Others*		1179	972
TOTAL			8040	6331
*Others NICs 29,33,35,45,52 and 96				

CONCEPTS AND DEFINITIONS

Important concepts and definitions used in ASI are explained below.

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

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

2. Reference Period: It corresponds to the financial year. For example, for ASI 2020- 2021 the reference period is the financial year commencing from 1st April 2020 and ending on 31st March 2021 or the accounting year of the factory ending on any date between 01.04.2020 to 31.03.2021.

3. Survey Period: The actual survey period for ASI is generally from the month of November to July in the subsequent year following the reference period.

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

“Section 2m(i) has been modified, i.e., from 10 or more workers with power to 20 or more workers with power and also Section 2m(ii), i.e., from 20 or more workers without power to 40 or more workers without power.”

5. Manufacturing Process: This is as per Section 2(k) of the Factories Act, 1948 read as:

“manufacturing process” means any process for—

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

(ii) pumping oil, water, sewage or any other substance; or

(iii) generating, transforming or transmitting power; or

(iv) composing types for printing, by letter press, lithography, photogravure or other similar process or book binding; or

- (v) constructing, reconstructing, repairing, refitting, finishing or breaking up ships or vessels; or
- (vi) preserving or storing any article in cold storage;

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

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

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

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

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

11. Working Capital: Working Capital is the sum total of the physical working capital as already defined above and the cash deposits in hand and at bank, land, the net balance of amounts receivable over amounts payable at the end of the accounting year. Amounts receivable include value of credit items on revenue account, such as sums due to the factory for goods sold, amounts advanced in connection with normal factory work, bills of exchange payable to the factory,

payments made in advance such as for fire insurance, telephone charges, rates and taxes, call deposits and security deposits having a normal life of less than one year, etc. It excludes unused overdraft facility, fixed deposits irrespective of duration, advances for acquisition of fixed assets, long-term loans including interest thereon and investment.

12. Invested Capital: Invested capital is the total of fixed capital and physical working capital.

13. Productive Capital: This is the total of fixed capital and working capital.

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

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

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

17. Labour Turnover: Labour turnover measures the extent of change in the working force due to accession and separation during a given period. The term 'accession' was defined as the total number of workers added to employment during the period, whether new or re-employed or transferred from other establishments or units under the same management. Inter- departmental transfers within the same establishment are, however ignored. The term 'separation' implies termination of employment at the instance of worker or employers. It includes termination of services due to death or retirement. As in the case of accession, transfers to other establishments are included but transfers within the same establishment are ignored. Retrenchment as a result of rationalization or modernization or any other cause, is also treated as separation.

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

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

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

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

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

19. 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.

20. 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.

21. 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.

22. 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 nature to the industry on which the manufacturing process is based, vig. metal for machine, leather for shoe. Such material is not lost through the process of production but only changes its forms. Injuries, occupational diseases, maternity benefits, retrenchment and lay-off benefits etc.; and

(iii) group benefits like direct expenditure on maternity, crèches, canteen facilities, educational, cultural and recreational facilities and grant to trade unions, co-operative stores etc. meant for employees.

23. Compensation of Employees: Compensation of employees is the total of emoluments and supplement to emoluments.

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

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

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

27. 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.

28. 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.

29. 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.

30. 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.

31. 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.

32. 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.

33. 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.

34. 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.

35. 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.

36. 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.

37. 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.

38. 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.

39. 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.

40. Net Income: It is obtained by deducting the value of Rent paid and Interest paid from the NVA.

41. Net profit: It is obtained by deducting compensation of employees from Net Income.

ESTIMATION PROCEDURE

1) Notations:

i = subscript for i -th state.

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

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

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

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

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

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

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

Under the above symbols,

Y_{ismk} = observed value of the characteristic y for the k -th unit belonging to the m -th sub- sample for the s -th stratum in the i -th state.

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

The central sample consists of two parts: i) **Census Sector** where complete enumeration of units was done and ii) **Sample Sector** where units are selected from two sub-samples (subsample numbers being '1' and '3') from each stratum. Please note that the sub-samples '2' and '4' in each stratum are to be surveyed by State governments and those are considered as **State Sample**.

The estimation formula for any characteristic of the unit **in the sample sector** for m -th subsample in s -th strata of the i -th state is:

$$S\hat{Y}'_{ism} = \frac{E_{is}}{e_{ism}} \sum_{k=1}^{e_{ism}} y_{ismk}, \quad m = 1, 3 \quad \dots \dots (1.1)$$

Now the estimate of the parameter pertaining to sample sector of s -th stratum in the i -th State ($S\hat{Y}'_{is}$) is the simple average of sub-sample estimates of the s -th stratum in the i -th State, $S\hat{Y}'_{ism}$, $m=1,3$ i.e., $1,3$ i.e., $S\hat{Y}'_{is} = \frac{1}{2} \sum_{m=1,3} S\hat{Y}'_{ism}$

Thus, the estimator for any characteristic of the unit **in the sample sector** of the i^{th} state is:

$$S\hat{Y}'_i = \sum_s S\hat{Y}'_{is} \quad \dots \dots \dots (1.2)$$

Now, if $C\hat{Y}''_i$ be the corresponding estimator for that characteristic of the unit **for the census sector** of the i -th state, then the estimate for the census sector, $C\hat{Y}''_i$ will be simple addition of value of the characteristic y under the domain since the multiplier associated with each unit of the census sector is equal to 1. Thus, the estimate for that characteristic of the unit for i^{th} State **as a whole** based on the central sample is given by:

$$\text{Central } \hat{Y}_i = S\hat{Y}'_i + C\hat{Y}''_i \quad \dots \dots \dots (2)$$

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

$$\text{Central } \hat{Y} = \sum_i \text{Central } \hat{Y}_i \dots\dots\dots (3)$$

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

As mentioned before the sub-samples '2' and '4' pertain to State Sample. The estimation formula for any characteristics of the unit **in the sample sector of the State sample 2** for m- th sub-sample of the i-th state is:

$$\text{State } \hat{Y}'_{ism} = \frac{E_{is}}{e_{ism}} \sum_{k=1}^{e_{ism}} y_{ismk} \quad , \quad m=2,4. \dots\dots\dots (4.1)$$

where superscript 'State' in $\text{State } \hat{Y}'_{ism}$ indicates that the estimate of Characteristic Y generated from state sample for mth sub-sample of sth stratum in ith State. Now, the Estimation formula for a characteristic y of the unit **for the sample sector** in s-th stratum of the i-th state **based on state sample** is the simple average of sub-sample estimates of the s-th stratum in the i-th State, $\text{State } \hat{Y}'_{ism}$, m=2,4 i.e., $\text{State } \hat{Y}'_{is} = \frac{1}{2} \sum_{m=2,4} \text{State } \hat{Y}'_{ism}$, where $\text{State } \hat{Y}'_{is}$ is the state sample estimate of the s-th stratum for the sample sector.

$\text{State } \hat{Y}'_{is}$ is the state sample estimate of the s-th stratum for the sample sector.

Thus, the estimator for any characteristic of the unit **in the sample sector** of the ith state is based on **the state sample** is:

$$\text{State } \hat{Y}'_i = \sum_s \text{State } \hat{Y}'_{is} \dots\dots\dots(4.2)$$

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

$$\text{State } \hat{Y}'_i = \text{State } \hat{Y}'_i + C\hat{Y}''_i \dots\dots\dots (5)$$

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

Estimation formula for any characteristic of the unit **for the sample sector** of the i-th state **based on pooled sample (i.e., central and state combined)** will be as follows:

Let sub-sample estimate of a characteristic Y for m-th sub-sample in s-th stratum in i-th State is $S\hat{Y}'_{ism}$. Then:

$$S\hat{Y}'_{ism} = \frac{E_{is}}{e_{ism}} \sum_{k=1}^{e_{ism}} y_{ismk} \quad , \quad m=1,2,3,4\dots\dots\dots (6.1)$$

The stratum level estimate for the pooled sample will be the simple average of the subsample estimate of Y in that stratum. Mathematically, if \hat{Y}'_{is} be the stratum-level estimate for s-th stratum for i-th State, then $\text{Pooled } \hat{Y}'_{is} = \frac{1}{4} \sum_{m=1}^4 S\hat{Y}'_{ism}$. In some cases, in a particular stratum one or more sub-samples may be void. Then stratum-level estimate will be generated from the simple average of the non-void sub-samples in that stratum. Thus, general form of stratum – level estimate may be

$$\text{Pooled } \hat{Y}'_{is} = \frac{1}{t} \sum_{m=1}^t S\hat{Y}'_{ism} \quad ,$$

where t (≤ 4) is the number of non-void subsample available with the stratum s.

Thus, the estimator for any characteristic Y of the unit **the sample sector** of the ith state based on **pooled sample** is:

$$\text{Pooled } \hat{Y}'_i = \sum_s \text{Pooled } \hat{Y}'_{is} \dots\dots\dots(6.2)$$

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

$$\text{Pooled } \hat{Y}'_i \text{Pooled } \hat{Y}'_i + {}^C\hat{Y}''_i \dots\dots\dots (7)$$

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

2. Estimates of Ratios:

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

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

$$\hat{R} = \hat{Y} / \hat{X}$$

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

$$Va^{\hat{r}}(Y_i) = \sum_s Va^{\hat{r}}(Y'_{is}) \dots\dots\dots (8)$$

The sampling variance based on central Samples is:

$$Va^{\hat{r}}(Y_i) = \sum_s \{ (Y'_{is1} - Y'_{is3} / 2) \}^2 \dots\dots\dots (9.1)$$

The sampling variance based on state Samples is:

$$Va^{\hat{r}}(Y_i) = \sum_s \{ (Y'_{is1} - Y'_{is4} / 2) \}^2 \dots\dots\dots (9.2)$$

In case only one sub-sample is available in a stratum out of two sub-samples 1 and 3 in central sample, the estimate of variance of central sample estimate in that stratum needs to be adjusted. The adjustment may be made by considering all the surveyed units in the non-void sub-sample as SRSWOR samples provided number of surveyed units in the sub-sample is greater than one. Similar treatment may be given in case only one sub-sample is available in a stratum out of two sub-samples 2 and 4 in state sample as well as in a stratum out of four sub-samples in pooled data.

For generating estimates of variance for the pooled sample is:

$$Va^{\hat{r}}(\hat{Y}_i) = \frac{1}{t(t-1)} \sum_s \sum_{m=1}^t (Y'_{ism} - Y'_{is})^2 , \dots\dots\dots(9.3)$$

Where $\hat{Y} = \frac{1}{t} \sum_{m=1}^t Y'_{ism}$ and t is the number of non-void sub-samples in s-th stratum. Note that equations (9.1) and (9.2) are special cases of equation (9.3) when t=2.

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

$$Va^{\hat{r}}(Y) = \sum_i Va^{\hat{r}}(Y_i) \dots\dots\dots (10)$$

4. For ratio R^{\wedge} :

The ratio estimators are biased estimators. Thus, instead of variance, we'll try to estimate Mean Square Error (MSE). The general formula of estimate of MSE of R^{\wedge} is

$$MS^{\wedge}E(R^{\wedge}) = \frac{1}{X^2} [V^{\wedge}(V^{\wedge}) - 2R^{\wedge}Cov^{\wedge}(X^{\wedge}, Y^{\wedge}) + R^{\wedge 2}V^{\wedge}(X^{\wedge})] \dots\dots\dots(11)$$

Now, the MSE of R^{\wedge} at all-India level based on central sample (i.e. sub-samples 1 and 3) is,

$$MS^{\wedge}E(R^{\wedge}) = \frac{1}{2} \times \frac{1}{\text{central}_{X^2}} [V^{\wedge}(V^{\wedge}) - 2R^{\wedge}Cov^{\wedge}(X^{\wedge}, Y^{\wedge}) + R^{\wedge 2}V^{\wedge}(X^{\wedge})]$$

$\Sigma, R^{\wedge} = \text{Central}Y^{\wedge} / \text{Central}X^{\wedge}$, and Y^{\wedge} and X^{\wedge} are estimates of

characteristics x and y based on m-th sub-sample of s-th stratum from the sample sector of central sample, and $\text{Central}X^{\wedge}$ and $\text{Central}Y^{\wedge}$ will be obtained using eq. (3) for the characteristics x and y respectively.

For R^{\wedge} at state level (i.e., for i-th state, say iR^{\wedge}) based on sub-samples 1 and 3 of central sample,

5. Estimates of RSE:

$$R^{\wedge}SE(Y^{\wedge}) = \frac{\sqrt{Var^{\wedge}(Y^{\wedge})}}{Y^{\wedge}} \times 100 \dots\dots\dots(14)$$

$$R^{\wedge}SE(R^{\wedge}) = \frac{\sqrt{MSE(R^{\wedge})}}{R^{\wedge}} \times 100 \dots\dots\dots(15)$$

6. Multipliers for enterprises:

The formulae for multipliers for a stratum are given below:

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

7. Treatment for surveyed cases and casualty cases:

7.1 Casualty cases: The casualty case may occur in cases where the unit is existing but non-response due to closure and owner/occupier is not traceable (code 5), non-response due to production not yet started or accounting year not closed during the year (code 7) or non-response due to other reasons [incl. relevant records are with court/Income tax or recalcitrant/refuse to submit the return department, etc, or factory under prosecution in respect of earlier ASI] (code 8). Thus, the units with survey codes 5, 7 and 8 as per Item 12, Block A are treated as casualties.

7.2 Imputation of data from past survey for casualty units:In case any units in the census sector becomes casualty, information in respect of all the characteristics may be borrowed from the previous year, if available, for the census sector units belonging to that post-survey stratum of 'State x District x Sector x 3-Digit of NIC'. This is also followed in case of units pertaining to sample sector which are casualty but information on various characteristics for previous year of those units is available. All such units, for which previous year's information is available, are treated as if 'open' and status code '1' is given against these units.

7.3 While counting the number of units surveyed (*eism*) in the m-th sub-sample of a stratum, all the units with survey codes 1 to 4 in Item 12, Block A will be considered excluding the casualty cases (i.e., those casualty cases where even previous year's information is not available).

8. Treatment in cases of void strata

- 8.1** A stratum may be void because of the casualty of all the units belonging to the stratum. This may occur in one sub-sample or more sub-samples. If it happens to only one sub-sample, then estimate for the stratum with one void sub-sample may be based on a single available sub-sample. Since the estimate of the sample sector within a stratum is the simple average of the two sub-samples (assuming samples are selected in the form of two sub-samples), by considering only one sub-sample, the stratum level estimate will be same as the single available sub-sample estimate. This situation where at least one sub-samples is available, we will not treat this stratum as 'void'. The situation where none of the sub-sample is available in a stratum, we will treat that stratum as 'void'. However, the various cases of void sub-samples are discussed below:
- 8.2** When a stratum is void i.e., none of the sub-samples 1 and 3 is available, then in order to generate estimate pertaining to sample sector based on central sample, the 'void' stratum may be merged with the nearest stratum looking into the description of the 3-digit NIC activity within the district, or else it could be merged with the 3-digit NIC activity 'others' within that 3-digit NIC Group in the district of the respective State. This will ensure the generation of district level estimates within a State.
- 8.3** The treatment will be similar if the stratum is void in both the sub-samples 2 and 4 to generate estimates from the state sample. In this case merging of stratum may be required in generating state sample estimates. If only one sub-sample (out of sub-sample 2 and 4) is void, then estimate for that stratum may be generated on the basis of single sub-sample as is mentioned in earlier paragraph 1. It may be possible that in a particular stratum, sub-samples 1 and 3 are void but sub-samples 2 and 4 are not void or conversely sub-samples 1 and 3 are not void but sub-samples 2 and 4 are void. In the later case merging of stratum is required in generating state sample estimate while merging is not required in generating estimates from central sample. In such cases for generating pooled estimate, merging is also not required. The stratum merging in generating pooled estimate is required only when all the four sub-samples in a stratum are void. The same merging principle, which is mentioned in earlier paragraph 2, is to be followed in such cases.

Annual Survey of Industries, 2020-21 Flow Chart for Tabulation Program

Volume – I (Tables – 1 & 2)

Srl. No	Description	Formula
1	No. of factories	A_{11} , for $A_{12} = 1, 2, 3$ and 4
2	Factories in operation	A_{11} , for $A_{12} = 1, 2$ and 3
3	Fixed Capital	$\sum_{i=1}^9 C_{i,13}$ For $i \neq 8$
4	Physical Working Capital	$\sum_{i=1}^6 D_{i,4}$ For $i \neq 4$
5	Working Capital	Srl. 4 + $D_{8,4} + D_{9,4} + D_{10,4} - (D_{12,4} + D_{13,4} + D_{14,4})$
6	Invested Capital	Srl. 3 + Srl. 4
7	Gross Value of additions to fixed capital	$\sum_{i=1}^9 C_{i,15}$ for $i \neq 8$
8	Rent paid	$F_{9,3}$
9	Outstanding Loan	$D_{17,4}$
10	Interest Paid	$F_{10,3}$
11	Rent Received	$G_{9,3}$
12	Interest Received	$G_{10,3}$
13	Gross value of Products & by- products	$C_{3,3} + C_{3,4} + C_{3,5} - C_{3,6}$
14	Value of Products & By products	$\sum_{i>0, i \neq 12} J_{i, 13} + G_{7,3}$
15	Other Output	$G_{1,3} + G_{2,3} + G_{3,3} + G_{4,3} + G_{6,3} + G_{8,3} + G_{11,3} + F_{17,3}$
16	Total Output	Srl. 14 + Srl. 15
17	Fuels consumed	$H_{16,6} + H_{17,6} + H_{18,6} + H_{19,6} + H_{20,6}$
18	Materials consumed for Manufacturing	$\sum_{i=1}^{11} H_{i,6} + \sum_{i>24} H_{i,6} + H_{13,6} + H_{14,6} + H_{21,6} + \sum_{i>0, i \neq 7} I_{i,6}$
19	Other Input	$F_{1,3} + F_{2(0),3} + F_{2(i),3} + F_{3,3} + F_{4,3} + F_{6,3} + F_{7,3} + F_{11,3}$
20	Total Input	Srl. 17 + Srl. 18 + Srl. 19
21	GVA	Srl. 16 - Srl. 20
22	Depreciation	$\sum_{i=1}^9 C_{i,9}$ For $i \neq 8$
23	NVA	Srl. 21 - Srl. 22
24	Net Fixed Capital Formation (NFCF)	$\sum_{i=1}^9 (C_{i,13} - C_{i,12} - C_{i,4}) + F_{7,3}$ For $i \neq 8$
25	Gross Fixed Capital Formation (GFCF)	Srl. 24 + Srl. 22
26	Addition in stock of:	
	(a) Materials, Fuels etc	$\sum_{i=1}^3 (D_{i,4} - D_{i,3})$
	(b) Semi-Finished Goods	$(D_{5,4} - D_{5,3})$
	(c) Finished Goods	$(D_{6,4} - D_{6,3})$
	(d) Total	(a) + (b) + (c)
27	Gross Capital Formation	Srl. 25 + Srl. 26(d)
28	Net income	Srl. 23 - ($F_{9,3} + F_{10,3}$)
29	Profit	Srl. 28 - $\sum_{i=1, i \neq 3, 5}^7 E_{1,8} - E_{10,8} - E_{11,8} - E_{12,8}$
Volume -I (Tables 3& 4)		
A	Average no. of persons Engaged	$\sum_{i=1, i \neq 3, 5}^8 E_{1,6}$
1	Workers	$E_{1,6} + E_{2,6} + E_{4,6}$
1.1	Directly employed	$E_{1,6} + E_{2,6}$
1.1.1	Men	$E_{1,6}$
1.1.2	Women	$E_{2,6}$
1.2	Employed through Contractors	$E_{4,6}$
2	Employees other than worker	$E_{6,6} + E_{7,6}$
2.1	Supervisory & Managerial Staff	$E_{6,6}$
2.2	Other employees	$E_{7,6}$
3	Unpaid family members/proprietor etc.	$E_{8,6}$
B	Man-days employed, Total	$\sum_{i=1, i \neq 3, 5}^7 E_{1,5}$
C	Wages & Salaries, Employer's Contribution	1+ 2 (As defined below)
1	Wages & Salaries including Bonus	1.1+ 1.2 (As defined below)
1.1	Wages & Salaries	1.1.1+ 1.1.2+ 1.1.3 (As defined below)
1.1.1	Workers	$E_{1,8} + E_{2,8} + E_{4,8}$
1.1.2	Supervisory & Managerial Staff	$E_{6,8}$
1.1.3	Other Employees	$E_{7,8}$
1.2	Bonus to all Staff	$E_{10,8}$
2	Employer's Contribution etc.	$E_{11,8} + E_{12,8}$

Remarks:

- a) Alphabets in italics under the 'Formula' column represent the block codes used in the schedule
- b) Unless otherwise mentioned, the symbols are of the form Block with suffix *<Block Row, Column>*. For example $E_{8,7}$ represents Row with serial number 8 and column number 7 of Block E.
- c) 'No. of factories' in Volume I are calculated for $A_{12} = 1, 2, 3$ and 4.
- d) 'Factories in operation' in Volume I are calculated for $A_{12} = 1, 2$ and 3.
- e) All other parameters in Volume I are calculated for $A_{12} = 1, 2$ and 3.
- f) For calculation of closing values 'Addition due to revaluation' (Column 4 of Block C) has not been considered.
- g) For calculating 'Gross Value of Plant & Machinery' (sl. no. 13) against "Volume I (Tables 1 & 2)" $C_{7,3}$ has been used in place of $C_{3,3} + C_{3,4} + C_{3,5} - C_{3,6}$ because of non-availability of information in the schedule.
- h) Similarly, for calculating 'Man-days employed, Total' (sl. no. B) against "Volume I (Table 3&4)", $E_{9,5}$ has been used in place of $\sum_{i=1, i \neq 3,5}^7 E_{1,5}$ because of non-availability of constituent items in the schedule.

Annexure-III

ASI Schedule 2020-21

CONFIDENTIAL

Government of India
Ministry of Statistics and Programme Implementation
Return under Collection of Statistics Act, 2008 as amended in 2017 and rules framed there under in 2011
Annual Survey of Industries 2020-2021 (Part -I)
(Please read the instructions before filling the return)

Block A: Identification particulars (for official use)											
1. Schedule Despatch (DSL) No.											
2. PSL No.											
3. Scheme code (Census-1, Sample-2)											
4. Industry code as per frame (4-digit level of NIC-2008)											
5. Industry code as per return (5-digit level of NIC-2008)											
6. Description of Industry:											
7. State Code											
8. District Code											
9. Sector (Rural-1, Urban-2)											
10. RO /SRO code											
11. No. of Units											
12. Status of Unit (Code)											

Block B: Particulars of the factory (to be filled by owner of the factory)											
1. Name and address of the Industrial undertaking:						1.1 Vill./Town:					
						1.2 District name:					
						1.3 State name:					
						1.4 PIN Code					
2. Type of organisation (code)											
3. Corporate Identification Number (CIN)											
4. Whether the unit has ISO Certification, 14000 Series (yes-1, no-2)											
5. Year of initial production											
6. Accounting year (..... to)											
7. Number of months of operation											
8. Whether the share capital of the company includes share of foreign entities (yes-1, no-2)											
9. Any R&D unit in your factory? (yes & registered with DST/DBT-1, yes & registered with others-2, no-3)											
10. Details of contact person			i) Name & designation:								
			ii) Tele (with STD code)								
			iii) FAX no.								
			iv) E-mail								
11. Whether the unit offered any formal training (yes-1, no-2)											

DECLARATION

I hereby declare that information furnished in this return is correct and complete to the best of my knowledge and belief.

Date :

Place :

(Name and Signature of owner with stamp)

DSL No PSL No

Block C: FIXED ASSETS													
Sl. No.	Type of Assets	Gross value (Rs.)					Depreciation (Rs.)				Net value (Rs.)		
		Opening as on -----	Addition during the year		Deduction & adjustment during the year	Closing as on ----- (cols. 3+4+5-6)	Up to year beginning	Provided during the year	Adjustment for sold/ discarded during the year	Up to year end (cols. 8+9 -10)	Opening as on -----	Closing as on -----	
(1)	(2)	(3)	Due to revaluation	Actual additions							(6)	(7)	(8)
1.	Land												
2.	Building												
3.	Plant & Machinery												
4.	Transport equipment												
5.	Computer equipment including software												
6.	Pollution control equipment/ Environment improvement equipment												
7.	Others												
8.	Sub-total (items 2 to 7)												
9.	Capital work in progress												
10.	Total (items 1+8+9)												

Block D: WORKING CAPITAL AND LOANS			
Sl. No.	Items	Opening (Rs.)	Closing (Rs.)
(1)	(2)	(3)	(4)
1.	Raw Materials & Components and Packing materials		
2.	Fuels & Lubricants		
3.	Spares, Stores & others		
4.	Sub-total (items 1 to 3)		
5.	Semi-finished goods/work in progress		
6.	Finished goods		
7.	Total inventory (items 4 to 6)		
8.	Cash in Hand & at Bank		
9.	Sundry Debtors		
10.	Other current assets		
11.	Total current assets (items 7 to 10)		
12.	Sundry Creditors		
13.	Over draft, cash credit, other short term loan from banks & other financial institutions		
14.	Other current liabilities		
15.	Total current liabilities (items 12 to 14)		
16.	Working Capital (item 11-item 15)*		
17.	Outstanding loans (excluding interest but including deposits)**		
<p><i>Note:</i> * Give reasons in the footnote for negative values and abnormal verification in opening and closing values. ** If outstanding loans include interest, a footnote may be given</p>			

Block E: EMPLOYMENT AND LABOUR COST							
Sl. No.	Category of staff	Man-days worked			Average number of persons worked	No. of mandays paid for	Wages/ salaries (in Rs.)
		Manu- facturing	Non Manufacturing	Total			
1	2	3	4	5	6	7	8
Part A: Details for each category of staff							
1.	Male workers employed directly						
2.	Female workers employed directly						
3.	Sub-total (items 1 + 2)						
4.	Workers employed through contractors						
5.	Total workers (items 3 + 4)						
6.	Supervisory & managerial staff						
7.	Other employees						
8.	Unpaid family members/ proprietor/ coop. members						
9.	Total employees (items 5+6+7+8)						
Part B: Some details for all categories of staff combined							
10.	Bonus (in Rs.)						
11.	Contribution to provident & other funds (in Rs.)						
12.	Workmen & staff welfare expenses (in Rs.)						
13.	Number of working days	(i) Manufacturing days					
		(ii) Non-manufacturing days					
		(iii) Total (i+ ii)					
14.	Total cost of production (in Rs.) [entry in col. 8 of item 9, 10, 11, and 12, block E + entry in col. 3 of item 1, 2(i), 2(ii), 3, 4, 5, 6, 7, 8, 9 & 10, block F + entry in col. 6 of item 23 of block H + entry in col. 6 of item 7, block I]						

Block F : OTHER EXPENSES		
Sl. No.	Items	Expenditure (in Rs.)
(1)	(2)	(3)
O T H E R I N D U S T R Y	1.	Work done by others on materials supplied by the industrial undertaking
	2.	Repair & maintenance of
		(i) Buildings and other construction
		(ii) Other fixed assets
	3.	Operating expenses
	4.	Expenses on raw materials and other components for own construction
	5.	Insurance charges
	6.	Rent paid for plant & machinery and other fixed assets
	7.	Expenses on Research & Development (R&D)
	8.	Rent paid for buildings
	9.	Rent paid for land on lease or royalties on mines, quarries and similar assets
	10.	Interest paid
	11.	Purchase value of goods sold in the same condition as purchased
12.	Inward transportation cost	
13.	Outward transportation cost	

Block G : OTHER OUTPUT/RECEIPTS		
Sl. No.	Items	Receipts (in Rs.)
(1)	(2)	(3)
O T H E R O U T P U T	1.	Receipts from manufacturing services (including work done for others on materials supplied by them and sale value of waste left by the party)
	2.	Receipts from non-manufacturing services (including non-industrial services)
	3.	Value of electricity generated and sold
	4.	Value of own construction
	5.	Net balance of goods sold in the same condition as purchased. (item 11 of block G minus item 11 of block F)
	6.	Rent received for plant & machinery and other fixed assets
	7.	Variation in stock of semi-finished goods (col.4 minus col 3 against item 5 in block D)
	8.	Rent received for buildings
	9.	Rent received for land on lease or royalties on mines, quarries and similar assets
	10.	Interest received
	11.	Sale value of goods sold in the same condition as purchased
	12.	Other production subsidies

DSL No PSL No

Block H: Indigenous input items consumed (if needed, additional sheets may be used for recording input items with serial nos. starting from 25)						
Sl. No.	Item description	Item code (NPC-MS)	Unit of quantity	Quantity consumed	Purchase value (in Rs.)	Rate per unit (in Rs.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Major ten basic items (indigenous)					
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.	Other basic items (indigenous)*	9920100				
12.	Total basic items (items 1 to 11)	9990100				
13.	Non-basic chemicals – all kinds	9920300				
14.	Packing items	9990800				
15.	Electricity own generated	9990400	KWH			
16.	Electricity purchased & consumed	9990500	KWH			
17.	Petrol, diesel, oil, lubricants consumed	9990600				
18.	Coal consumed	9990700	Tonne			
19.	Gas consumed	9990900	KG			
20.	Other fuel consumed	9920400				
21.	Consumable store	9922000				
22.	Total non-basic items (items 13 to 21)	9992000				
23.	Total inputs (items 12+ 22)	9993000				
24.	Any additional requirement of electricity (unmet demand)	9999999	KWH			

* Full description of items not in NPC-MS 2011 (Revised):

DSL No PSL No

Block I: Imported input items consumed - directly only (if needed, additional sheets may be used for recording input items with serial nos. starting from 8)						
Sl. No.	Item description (Major five imported items)	Item code (NPC-MS)	Unit of quantity	Quantity consumed	Purchase value (in Rs.)	Rate per unit (in Rs.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.						
2.						
3.						
4.						
5.						
6.	Other imported items	9922100				
7.	Total imports (consumed) (items 1 to 6)	9994000				

DSL No PSL No

Block J: Products and by-products manufactured by the unit (if needed, additional sheets may be used for recording output items with serial nos. starting from 14)												
Sl. No.	Products/By-products description (First ten major items as per value - no brand name)	Item code (NPCMS)	Unit of quantity	Quantity manufactured	Quantity sold	Gross sale value (Rs)	Distributive expenses (Rs.)				Per unit net sale value (Rs. 0.00) (col. 7-[col. 8+col. 9+col.10-col.11]) ÷ col. 6	Ex-factory value of quantity manufactured (Rs.) (col.12× col.5)
							Goods and Services Tax (GST)	Excise Duty/ Sales Tax/VAT/ Other Taxes, if any	Other Distributive Expenses	Subsidy (-)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1.												
2.												
3.												
4.												
5.												
6.												
7.												
8.												
9.												
10.												
11.	Other products/ by-products*	9921100										
12.	Total (items 1 to 11)	9995000										
13.	Share (%) of products/by-products directly exported											
* Full description of items not in NPC-MS 2011 (Revised):												

Block K: Information and Communication technology (ICT) usage		
Sl. No.	ICT indicator	yes-1, no-2
1.	Did the factory use computer/s during FY 2020-21?	
2.	Did the factory use the internet during FY 2020-21?	
3.	Did the factory have a website as on the date of survey?	
4.	Did the factory receive orders via the internet during FY 2020-21?	
5.	Did the factory place orders for business purpose via the internet during FY 2020-21?	
6.	Did the factory connect to the internet either by a. Narrowband or b. Fixed broadband or c. Mobile broadband during FY 2020-21?	
7.	Does the factory have a local area network (LAN) as on the date of survey?	

Block L: Energy Conservation (EC) measures		
Sl. No.	EC indicator	yes-1, no-2
Have any measures been taken during last financial year with regard to:		
1.	Electrical saving?	
2.	Coal saving?	
3.	Oil saving?	
4.	Gas saving?	

FOR OFFICIAL USE ONLY

Block M: Particulars of field operations					
1.	Name of Superintending Officer		5.	Date of receipt from factory	
2.	Signature of Superintending Officer		6.	Date of verification/compilation	
3.	Name & Designation of Scrutinising Officer		7.	Date(s) of scrutiny	
4.	Signature of Scrutinising Officer		8.	Date of despatch	

Block N: Comments of Superintending Officer/Scrutinising Officer	
<p><i>Note: Reasons for negative working capital and for any abnormal values or entries (high or low) in respect to important characteristics (Such as GVA, working capital, wage rate, number of workers, distributive expenses, depreciation etc.) should be given invariably. For instance the reasons for high GVA could be increased demand/production, profit, govt. subsidy; or for low GVA, the reasons could be decreased demand/production, capacity under-utilization, high input cost etc. similarly reasons for any abnormal values of certain important ratios eg. Ratio of output to input, ratio of depreciation/distributive expenses to output etc should be given. Please refer to detailed instructions also for further guidance.</i></p>	

Annual Survey of Industries 2020-2021						
Part A						
Report of scrutiny on Part-I of the return						
State (code) _____		Distt. (code) _____		DSL No./PSL No. _____		
Ind. code (5-digit NIC 2008) as per return _____		Scheme Code _____				
Sl. No.	Bl. no.	Item	Unit	Average rate per unit*	If high or low, reasons to be furnished by	
1	H	Input items (Indigenous) Major Ten basic items consumed	X	X	Superintending Officer	Scrutinising Officer
		1)				
		2)				
		3)				
		4)				
		5)				
		6)				
		7)				
		8)				
		9)				
		10)				
		11) Electricity purchased				
		12) Coal				
2	I	Directly imported items consumed (major five items)				
		1)				
		2)				
		3)				
		4)				
		5)				

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

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

4	Item	Current year (2020-21)	Previous year (2019-20)	Reasons for significant variation, if any.
	1) Average salaries/wages per manday worked (Rs.) (E _{5.5} / E _{5.4})			
	2) Total worker (number) (E _{5.6})			
	3) Total employees (number) (E _{9.6})			
	4) Total emoluments (E _{9.8} + E _{10.8} + E _{11.8} + E _{12.8})			
	5) Variation in finished goods (D _{6.4} - D _{6.3})			
	6) Working Capital (D _{16.4})			
	7) Total input (F _{1.3} +F _{20.3} +F _{20.3} +F _{3.3} +F _{4.3} +F _{6.3} +F _{7.3} +F _{8.3} +F _{11.3}) (+) (H _{23.6}) (+) (I _{7.6})			
	8) Total output (J _{12.7}) (-) (J _{12.8} +J _{12.9} +J _{12.10} -J _{12.11}) + (D _{6.4} - D _{6.3}) + (G _{1.3} +G _{2.3} +G _{3.3} +G _{4.3} +G _{6.3} +G _{7.3} +G _{8.3} +G _{11.3} +F _{7.3})			
	9) Gross value added (GVA) (Item 8-Item 7 as above)			

Item	Current year (2020-21)	Previous year (2019-20)	Reasons for significant variation, if any.
10) Net value added (Item 9 as above) - Depreciation (C _{10,3})			
11) Net Income (Item 10 as above) (-) (E _{9,3} +F _{10,3})			
12) Profit (Item 11 as above) (-) (E _{9,3} +E _{10,3} +E _{11,3} +E _{12,3})			
13) Actual addition to fixed assets (C _{10,2})			
14) GVA (through Ex-factory Value) (J _{12,13}) (+) (G _{1,3} +G _{2,3} +G _{3,3} +G _{4,3} +G _{6,3} +G _{7,3} +G _{8,3} +G _{11,3} +F _{7,3}) (-) (F _{1,3} +F _{20,3} +F _{200,3} +F _{3,3} +F _{4,3} +F _{6,3} +F _{7,3} +F _{8,3} +F _{11,3}) (-) (H _{13,6}) (-) (I _{7,6})			

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

Signature of the Superintending Officer

()
Name of the Superintending Officer

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

Signature of Scrutinizing officer

()
Name of Scrutinizing officer

**ANNUAL SURVEY OF INDUSTRIES 2020-2021
PART II MANDAYS WORKED, ABSENTEEISM & LABOUR TURNOVER**

Block 1. Identification and other Particulars

1. Schedule Despatch No.				10. Type of Organisation (code)		16. Signature	
2. PSL No.							
3. Scheme Code (census - 1, sample - 2)				11. Company Identification Number (CIN)		17. Name of Scrutinizing Officer	
4. Industry code as per frame (4-digit level of NIC - 08)				12. Accounting Year		18. Personnel code	
5. Industry code as per return (5- digit level of NIC - 08)						19. Head Quarter	
6. Description of Industry				13. Name of Superintending Officer		20. Signature	
7. State code				14. Personnel code			
8. District code				15. Head Quarter			
9. RO/SRO code							
Name and address of the Industrial Undertaking							
City/ Town/ Village		Tehsil/ Tahuk		District		State	

Block 2- Mandays worked, absenteeism, labour turnover for regular workers directly employed for each month of the year.

Sl no.	Month	Scheduled Working days for Workers	No of Mandays Worked	No of Mandays lost due to absence	No of Workers in employment on		Accessions during the Month	Separations during the month due to	
					First day of month	Last day of month		Death or retirement	Other causes
0	1	2	3	4	5	6	7	8	9
1.	Apr, 2020								
2.	May, 2020								
3.	June, 2020								
4.	July, 2020								
5.	Aug, 2020								
6.	Sep, 2020								
7.	Oct, 2020								
8.	Nov, 2020								
9.	Dec, 2020								
10.	Jan, 2021								
11.	Feb, 2021								
12.	Mar, 2021								

(Annexure-IV)

Estimates of principal characteristics at District level for the ASI 2020-21												Values in Rs. Lakh unless otherwise mentioned
S.No	Characteristics	ALL	Baramulla (Code 2)	Srinagar (Code3)	Budgam (Code 4)	Pulwama (Code5)	Anantnag (Code 6)	Udhampur (Code 8)	Jammu (Code 11)	Kathua (Code 12)	Samba (Code 13)	Others(Doda +Rajouri)
1	Number of Factories (no.)	1009	8	83	27	27	10	17	344	119	371	3
2	Factories in Operation (no.)	933	8	81	27	25	10	16	296	110	357	3
3	Fixed Capital	802731	287341	52998	7533	25875	10755	3899	55346	130027	228790	166
4	Physical Working Capital	462927	1081	26068	5698	11092	4927	11410	81081	68980	252474	115
5	Working Capital	594418	-86507	17738	-3679	5698	6597	105107	152508	76151	320667	137
6	Invested Capital	1265658	288422	79066	13231	36968	15682	15309	136427	199007	481265	281
7	Gross Value of Addition to Fixed Capital	55164	2662	6008	292	3881	348	334	6345	11651	23628	14
8	Rent Paid	858	2	58	23	23	106	5	87	40	499	16
9	Outstanding Loan	260379	527	57290	8157	10175	10040	3870	60101	32284	77924	12
10	Interest Paid	29394	196	2877	1865	331	580	230	5952	6867	10496	0
11	Rent Received	0	0	0	0	0	0	0	0	0	0	0
12	Interest Received	8293	1	447	22	100	6	46	2009	3594	2067	0
13	Gross Value of Plant & Machinery	764403	233380	39191	617	7121	12366	2934	63068	173314	232411	0
14	Value of Product and By-Product	3129818	155933	59418	13512	60264	24397	71923	468911	485296	1789111	1054
15	Other Output	232710	5438	52918	3530	1819	361	1810	69700	19392	77722	21
16	Total Output	3362527	161372	112336	17042	62082	24757	73732	538611	504688	1866832	1075
17	Fuels Consumed	60732	278	5491	336	2329	7751	1042	8286	12752	22363	105
18	Materials Consumed	2092588	27975	45051	13518	58350	7358	44630	323223	360761	1211588	136
19	Other Inputs	304216	17577	45133	1074	2937	1530	5424	103700	21192	105069	581
20	Total Inputs	2457539	45829	95675	14928	63615	16639	51096	435208	394704	1339022	822
21	GVA	904988	115543	16661	2114	-1533	8119	22636	103403	109983	527809	253
22	Depreciation	70702	17830	2865	638	1490	1042	491	7145	13719	25459	23
23	NVA	834287	97713	13796	1477	-3023	7077	22145	96258	96264	502350	230
24	Net Fixed Capital Formation	-30689	-15829	126	-346	1482	-694	-189	-1761	-7166	-6305	-8
25	Gross Fixed Capital Formation	40013	2002	2991	292	2973	348	302	5384	6553	19154	14
26	Addition in Stock of	49125	282	-1375	-1441	4297	584	1321	14553	2404	28499	-1
	(a) Materials,Fuels etc.	35030	325	100	-733	4108	769	996	6973	6384	16116	-8
	(b) Semi Finished Goods	-1943	-117	-1465	-749	197	-214	8	260	-911	1046	0
	(c) Finished Goods	16037	74	-10	41	-8	29	318	7320	-3070	11337	7
27	Gross Capital Formation	89138	2284	1616	-1149	7270	933	1623	19937	8958	47653	13
28	Net Income	804035	97515	10861	-412	-3378	6391	21911	90220	89357	491356	213
29	Net profit	633061	89778	-2260	-1383	-6687	3491	20126	69835	60769	399308	84

Estimates of Employment details at District Level for the ASI 2020-21												
Values in Rs. Lakh unless otherwise mentioned												
S.No	Characteristics	ALL	Baramulla (Code 2)	Srinagar (Code3)	Budgam (Code 4)	Pulwama (Code5)	Anantnag (Code 6)	Udhampur (Code 8)	Jammu (Code 11)	Kathua (Code 12)	Samba (Code 13)	Others(Dod a+Rajouri)
1	A. Average no. of persons engaged (no.)	65054	404	4457	462	1018	841	732	10359	13246	33456	79
2	1. Workers (no.)	50713	265	2965	309	798	607	668	7812	11464	25761	66
3	1.1 Directly employed (no.)	25904	253	2758	224	526	560	198	4851	7743	8768	24
4	Men (no.)	24481	248	2592	217	525	560	194	4676	7081	8367	23
5	Women (no.)	1423	5	167	7	1	0	5	175	662	401	1
6	1.2 Employed through contractors (no.)	24809	12	207	85	272	47	470	2961	3721	16993	42
7	2. Employees other than worker (no.)	14025	137	1445	142	220	230	61	2434	1763	7584	10
8	2.1 Supervisory & Managerial Staff (no.)	5745	131	439	86	89	140	29	760	920	3149	4
9	2.2 Other employees (no.)	8280	6	1006	56	131	90	33	1674	843	4435	6
10	3. Unpaid family members/Proprietor (no.)	316	2	47	11	1	4	4	113	20	111	3
11	B. Man-days employed, Total (no.)	19324	128	1255	114	294	238	213	2989	4042	10026	23
12	C. Wages & Salaries, Employer's contribution	170974	7738	13122	972	3309	2900	1784	20384	28588	92048	129
13	1. Wages & Salaries including Bonus	156102	6591	11657	889	2905	2694	1635	18959	26159	84492	121
14	1.1 Wages & Salaries	150749	6591	10724	878	2834	2629	1590	18377	25003	82002	120
15	1.1.1 Workers	75239	3113	7009	542	1512	1318	1320	9495	15388	35436	105
16	1.1.2 Supervisory& Managerial Staff	47781	3471	2045	259	628	805	217	4567	6296	29486	7
17	1.1.3 Other Employees	27729	7	1669	77	694	506	53	4315	3319	17080	9
18	1.2 Bonus to all staff	5353	0	933	11	71	65	46	582	1155	2490	0
19	2. Employer's Contribution etc.	14872	1146	1465	83	404	206	149	1425	2430	7556	8

(Annexure –V)

Estimates of principal characteristics at 3-digit (NIC-2008) level for ASI-2020-21. Values in Rs. Lakh unless otherwise mentioned												
S.No	Characteristics	ALL	103	104	105	106	107	108	110	120	131	139
1	Number of Factories (no.)	1009	11	15	18	52	52	9	24	5	18	7
2	Factories in Operation (no.)	933	11	15	17	51	51	9	24	5	18	7
3	Fixed Capital	802731	5164	2653	5640	9569	17041	2149	40909	803	52885	261
4	Physical Working Capital	462927	1672	2897	4221	38924	13823	1534	10884	1201	23770	440
5	Working Capital	594418	58	2592	4647	27119	78763	1470	452	1097	27640	519
6	Invested Capital	1265658	6837	5550	9861	48493	30864	3683	51793	2004	76655	700
7	Gross Value of Addition to Fixed Capital	55164	401	177	3242	2261	961	466	5181	19	5470	13
8	Rent Paid for Fixed Assets	858	13	16	12	18	53	3	12	2	1	0
9	Outstanding Loan	260379	820	5843	2744	11447	33969	1172	11022	978	28540	100
10	Interest Paid	29394	121	251	180	2615	1285	237	1868	134	1668	18
11	Rent Received for Fixed Assets	0	0	0	0	0	0	0	0	0	0	0
12	Interest Received	8293	4	13	47	216	1496	45	561	0	2744	5
13	Gross Value of Plant & Machinery	764403	6616	61	4606	4636	20533	279	34886	30	76553	826
14	Value of Product and By-Product	3129818	5134	45084	21309	112259	143058	18332	60691	1836	92560	960
15	Other Output	232710	536	170	1284	36732	2753	41	6801	0	1672	26
16	Total Output	3362528	5670	45253	22593	148991	145810	18374	67491	1836	94231	986
17	Fuels Consumed	60732	321	373	944	1922	2334	188	1504	28	7322	37
18	Materials Consumed	2092588	4110	41599	17084	98887	112359	16186	33039	1401	59175	665
19	Other Inputs	304216	548	1388	1772	41126	15349	1151	15778	32	4046	86
20	Total Inputs	2457536	4978	43361	19799	141935	130043	17525	50321	1461	70543	788
21	GVA	904992	692	1893	2794	7056	15767	848	17170	375	23689	198
22	Depreciation	70702	377	168	668	1075	1500	90	4141	124	3969	38
23	NVA	834290	315	1725	2126	5981	14267	758	13029	252	19720	160
24	Net Fixed Capital Formation	-30689	-789	8	1225	1169	-676	376	889	-105	-1478	-26
25	Gross Fixed Capital Formation	40013	-412	176	1893	2244	824	466	5031	19	2491	13
26	Addition in Stock of	49125	173	1430	2376	8577	2525	-464	893	450	-155	16
	(a) Materials,Fuels etc.	35030	210	1412	1895	899	757	-539	467	107	2804	16
	(b) Semi Finished Goods	-1943	40	-4	0	50	-154	-8	216	10	-839	-16
	(c) Finished Goods	16037	-77	23	481	7628	1921	83	210	333	-2120	16
27	Gross Capital Formation	89138	-238	1607	4269	10821	3349	2	5924	469	2336	28
28	Net Income	804039	181	1457	1933	3349	12929	519	11148	116	18051	142
29	Net profit	633065	-386	576	616	-21	8852	-243	6441	36	3762	55

Estimates of principal characteristics at 3-digit (NIC-2008) level for ASI-2020-21. Values in Rs. Lakh unless otherwise mentioned

S.No	Characteristics	141	152	162	170	181	192	201	202	210	221	222
1	Number of Factories (no.)	11	4	24	68	12	4	32	101	34	9	86
2	Factories in Operation (no.)	11	4	24	63	12	4	19	100	34	9	78
3	Fixed Capital	369	254	1610	11675	935	10320	2342	89780	32566	1991	54780
4	Physical Working Capital	1764	227	1807	6153	140	2802	3373	180519	30791	1326	25881
5	Working Capital	3341	253	1677	5978	331	3462	6407	357170	41443	1259	19243
6	Invested Capital	2133	481	3418	17828	1075	13122	5716	270299	63357	3317	80661
7	Gross Value of Addition to Fixed Capital	19	42	94	1805	8	1983	259	9164	2672	43	5616
8	Rent Paid for Fixed Assets	2	1	5	12	1	0	2	261	98	2	48
9	Outstanding Loan	44	15	912	8261	48	203	698	28273	18650	872	9524
10	Interest Paid	6	24	109	878	9	15	124	5726	951	198	1958
11	Rent Received for Fixed Assets	0	0	0	0	0	0	0	0	0	0	0
12	Interest Received	12	0	11	71	1	37	44	1303	253	17	160
13	Gross Value of Plant & Machinery	0	0	334	4306	1232	3261	1247	87319	39450	0	87690
14	Value of Product and By-Product	2171	913	1652	57666	533	70026	22387	1362205	222883	5602	232154
15	Other Output	2	0	63	407	773	126	897	32666	5479	491	7142
16	Total Output	2172	913	1715	58073	1306	70151	23285	1394871	228363	6094	239296
17	Fuels Consumed	35	26	109	2065	36	173	216	7985	2599	606	5848
18	Materials Consumed	910	647	1079	43929	559	68804	15329	892716	89805	3629	181202
19	Other Inputs	127	50	109	4871	423	749	618	51932	16248	395	11251
20	Total Inputs	1072	723	1297	50864	1018	69727	16163	952633	108652	4630	198300
21	GVA	1100	190	418	7208	288	425	7121	442238	119710	1464	40996
22	Depreciation	46	37	155	1174	93	1149	191	10059	4180	287	7511
23	NVA	1054	152	263	6035	195	-724	6930	432178	115530	1177	33485
24	Net Fixed Capital Formation	-27	5	-64	554	-109	830	44	-5432	-313	-273	-3457
25	Gross Fixed Capital Formation	19	42	91	1727	-16	1979	235	4627	3866	14	4054
26	Addition in Stock of	-128	74	-10	1060	19	1555	-206	30142	-703	20	2688
	(a) Materials, Fuels etc.	-126	-71	-19	458	20	1638	-54	22768	248	77	3480
	(b) Semi Finished Goods	-56	146	-33	113	0	11	-156	1552	242	35	-845
	(c) Finished Goods	53	-1	42	489	-1	-94	4	5822	-1192	-92	53
27	Gross Capital Formation	-110	116	82	2787	3	3534	29	34769	3164	35	6742
28	Net Income	1046	127	149	5145	184	-739	6804	426191	114482	976	31479
29	Net profit	369	14	-10	2170	-377	-2159	6290	386539	80365	337	22874

Estimates of principal characteristics at 3-digit (NIC-2008) level for ASI-2020-21. Values in Rs. Lakh unless otherwise mentioned

S.No	Characteristics	231	239	241	242	243	251	252	259	264
1	Number of Factories (no.)	6	63	39	37	6	44	17	31	4
2	Factories in Operation (no.)	6	56	36	35	6	44	17	31	4
3	Fixed Capital	934	45942	10468	10416	749	3057	662	4353	293
4	Physical Working Capital	551	25585	16507	16366	636	3864	1496	4149	123
5	Working Capital	249	10368	13660	12032	580	8278	1800	3384	3042
6	Invested Capital	1486	71527	26975	26782	1385	6921	2158	8502	416
7	Gross Value of Addition to Fixed Capital	75	5191	560	2373	0	107	32	142	0
8	Rent Paid for Fixed Assets	0	138	27	9	3	5	2	5	18
9	Outstanding Loan	842	45286	13960	3410	393	1337	1145	515	3048
10	Interest Paid	70	3045	2917	1894	24	171	0	263	95
11	Rent Received for Fixed Assets	0	0	0	0	0	0	0	0	0
12	Interest Received	1	498	227	66	46	55	0	49	0
13	Gross Value of Plant & Machinery	409	46894	4517	11107	0	1831	11	2629	22
14	Value of Product and By-Product	1622	76733	129810	84167	2602	17075	82	21458	298
15	Other Output	27	4802	3257	8192	40	628	40	640	526
16	Total Output	1649	81535	133068	92359	2642	17703	123	22098	824
17	Fuels Consumed	68	15223	5286	2798	52	256	10	325	3
18	Materials Consumed	1104	30447	112354	75653	2392	13070	88	17564	220
19	Other Inputs	154	13578	4689	5582	121	825	89	1028	41
20	Total Inputs	1327	59248	122329	84033	2565	14151	186	18917	264
21	GVA	322	22287	10738	8326	77	3552	-64	3181	560
22	Depreciation	136	3607	1215	1114	56	293	55	507	27
23	NVA	186	18680	9523	7212	21	3259	-119	2673	532
24	Net Fixed Capital Formation	-64	-1508	-661	1258	-58	-239	-23	-479	-27
25	Gross Fixed Capital Formation	72	2100	555	2372	-2	54	32	29	0
26	Addition in Stock of	41	-906	959	850	-64	319	-106	287	16
	(a) Materials,Fuels etc.	51	1245	2235	1229	-5	103	-106	30	-5
	(b) Semi Finished Goods	0	-1930	-803	-202	0	36	0	4	1
	(c) Finished Goods	-10	-222	-473	-177	-59	179	0	252	20
27	Gross Capital Formation	113	1193	1514	3222	-66	373	-74	315	16
28	Net Income	115	15496	6579	5308	-6	3084	-122	2405	420
29	Net profit	1	3851	2161	3031	-129	1458	-146	776	-266

Estimates of principal characteristics at 3-digit (NIC-2008) level for ASI-2020-21. Values in Rs. Lakh unless otherwise mentioned

S.No	Characteristics	271	272	273	275	279	282	304	310	323	329	others
1	Number of Factories (no.)	36	18	12	6	9	3	12	16	9	9	36
2	Factories in Operation (no.)	30	8	4	6	9	2	8	16	9	9	32
3	Fixed Capital	3459	222	1564	471	371	26	63	12734	319	5561	357371
4	Physical Working Capital	16878	2127	2476	573	613	46	647	1428	54	6463	8193
5	Working Capital	12362	2109	5688	1064	698	68	1097	975	225	11083	-79266
6	Invested Capital	20337	2349	4040	1044	984	72	710	14162	374	12024	365564
7	Gross Value of Addition to Fixed Capital	26	0	434	33	54	13	0	69	1	593	5566
8	Rent Paid for Fixed Assets	42	0	2	0	1	0	0	2	0	13	25
9	Outstanding Loan	7191	344	2150	137	207	10	26	6017	43	176	10006
10	Interest Paid	222	237	147	8	24	2	1	54	0	26	1819
11	Rent Received for Fixed Assets	0	0	0	0	0	0	0	0	0	0	0
12	Interest Received	20	0	44	0	9	2	0	1	0	55	181
13	Gross Value of Plant & Machinery	3356	0	928	511	216	0	0	147	0	7581	310381
14	Value of Product and By-Product	97252	5535	14633	2327	1944	160	86	2703	138	19679	172100
15	Other Output	2595	0	258	17	104	14	1	158	4	658	112687
16	Total Output	99847	5535	14891	2344	2048	175	87	2861	141	20337	284787
17	Fuels Consumed	287	51	127	59	24	3	4	45	2	402	1035
18	Materials Consumed	87101	4958	11726	1672	1445	137	33	2065	86	12645	34715
19	Other Inputs	2560	72	449	96	77	7	41	228	10	1868	104652
20	Total Inputs	89949	5081	12302	1827	1546	147	78	2338	98	14916	140402
21	GVA	9898	454	2589	518	503	28	10	523	43	5421	144386
22	Depreciation	469	26	241	59	50	3	10	320	25	822	24632
23	NVA	9429	428	2348	458	452	25	-1	203	19	4599	119753
24	Net Fixed Capital Formation	-447	-26	-160	-26	4	5	-10	-259	-24	-280	-20017
25	Gross Fixed Capital Formation	22	0	81	33	54	8	0	60	1	542	4616
26	Addition in Stock of	-4474	162	1003	103	87	3	-32	-63	-3	1770	-1159
	(a) Materials,Fuels etc.	-5474	151	873	80	69	4	-27	-172	1	-539	-1159
	(b) Semi Finished Goods	380	0	-8	4	0	0	-5	138	-2	138	0
	(c) Finished Goods	620	11	138	18	18	-1	0	-29	-1	2172	0
27	Gross Capital Formation	-4452	162	1084	137	141	10	-32	-3	-2	2312	3457
28	Net Income	9165	191	2198	450	427	23	-2	147	18	4560	117910
29	Net profit	5711	67	1613	235	72	1	-41	-734	-13	2068	97246

Estimates of Employment details at 3 digit (NIC- 2008) level for ASI 2020-21			Values in Rs. Lakh unless otherwise mentioned									
S.No	Characteristics		ALL	103	104	105	106	107	108	110	120	131
1	Indicator A	Average no. of persons engaged	65054	205	483	594	1852	2173	250	1601	79	7798
2	Indicator I	Workers	50713	134	363	399	1318	1735	170	1138	58	7004
3	Indicator I.1	Directly employed	25904	132	309	356	815	1107	134	692	9	5882
4	Indicator I.1.1	Men	24481	112	309	348	805	824	134	692	9	5193
5	Indicator I.1.2	Women	1423	20	0	8	10	283	0	0	0	689
6	Indicator I.2	Employed through contractors	24809	2	54	44	503	627	36	446	49	1122
7	Indicator 2	Employees other than worker	14025	64	111	190	529	412	78	451	15	790
8	Indicator 2.1	Supervisory & Managerial Staff	5745	33	38	67	180	111	19	130	4	434
9	Indicator 2.2	Other employees	8280	31	74	123	349	301	58	321	11	356
10	Indicator 3	Unpaid family members/Proprietor	316	7	9	5	5	27	3	12	6	3
11	Indicator B	Man-days employed, Total	19324	53	143	176	543	625	74	477	20	2382
12	Indicator C	Wages & Salaries, Employer's contribution	170974	566	880	1317	3370	4077	762	4707	80	14289
13	Indicator C1	Wages & Salaries, Employer's including Bonus	156102	544	827	1248	3180	3725	655	4348	80	13017
14	Indicator C 1.1	Wages & Salaries	150749	543	802	1237	3098	3576	638	4185	80	12072
15	Indicator C 1.1.1	Workers	75239	228	384	613	1588	2034	267	1346	53	9195
16	Indicator C 1.1.2	Supervisory & Managerial Staff	47781	189	248	355	876	701	207	1313	13	1653
17	Indicator C 1.1.3	Other Employees	27729	127	170	270	634	841	163	1526	14	1224
18	Indicator C 1.2	Bonus to all staff	5353	0	25	11	83	149	17	163	0	945
19	Indicator C 2	Employer's Contribution etc.	14872	23	53	69	190	352	107	359	0	1272

Estimates of Employment details at 3 digit (NIC- 2008) level for ASI 2020-21			Values in Rs. Lakh unless otherwise mentioned									
S.No	Characteristics		139	141	152	162	170	181	192	201	202	
1	Indicator A	Average no. of persons engaged	70	375	65	175	2033	215	172	280	17185	
2	Indicator I	Workers	52	305	58	108	1662	92	100	205	14588	
3	Indicator I.1	Directly employed	49	293	58	73	1061	80	23	87	1997	
4	Indicator I.1.1	Men	38	265	58	73	1008	77	23	87	1984	
5	Indicator I.1.2	Women	11	28	0	0	53	3	0	0	13	
6	Indicator I.2	Employed through contractors	3	12	0	35	601	12	77	118	12591	
7	Indicator 2	Employees other than worker	15	62	7	50	349	119	71	65	2592	
8	Indicator 2.1	Supervisory & Managerial Staff	7	28	3	25	205	18	26	33	1122	
9	Indicator 2.2	Other employees	8	34	4	25	144	101	45	32	1470	
10	Indicator 3	Unpaid family members/Proprietor	3	8	0	17	22	3	1	10	5	
11	Indicator B	Man-days employed, Total	20	105	16	33	604	68	52	78	5174	
12	Indicator C	Wages & Salaries, Employer's contribution	87	677	113	159	2976	562	1420	514	39652	
13	Indicator C1	Wages & Salaries, Employer's including Bonus	73	641	110	153	2770	510	1230	461	36497	
14	Indicator C 1.1	Wages & Salaries	73	600	109	153	2708	497	1123	450	35494	
15	Indicator C 1.1.1	Workers	49	459	89	84	1764	138	226	206	22220	
16	Indicator C 1.1.2	Supervisory & Managerial Staff	16	86	13	42	700	83	389	176	8014	
17	Indicator C 1.1.3	Other Employees	8	55	8	26	245	275	508	68	5261	
18	Indicator C 1.2	Bonus to all staff	0	41	1	0	62	13	107	11	1002	
19	Indicator C 2	Employer's Contribution etc.	14	36	3	6	206	52	190	53	3155	

Estimates of Employment details at 3 digit (NIC- 2008) level for ASI 2020-21			Values in Rs. Lakh unless otherwise mentioned								
S.No	Characteristics		210	221	222	231	239	241	242	243	251
1	Indicator A	Average no. of persons engaged	7554	438	3778	93	3571	2537	1094	82	938
2	Indicator I	Workers	4676	382	3098	73	2809	2116	840	64	752
3	Indicator I.1	Directly employed	1997	152	1821	63	2392	991	590	47	491
4	Indicator I.1.1	Men	1929	152	1791	63	2391	991	571	47	490
5	Indicator I.1.2	Women	68	0	30	0	2	0	19	0	1
6	Indicator I.2	Employed through contractors	2679	230	1277	10	417	1125	250	17	261
7	Indicator 2	Employees other than worker	2870	52	644	17	743	410	245	13	166
8	Indicator 2.1	Supervisory & Managerial Staff	1344	18	283	6	408	165	109	6	57
9	Indicator 2.2	Other employees	1526	34	361	11	335	245	136	7	109
10	Indicator 3	Unpaid family members/Proprietor	9	4	36	3	19	11	10	5	20
11	Indicator B	Man-days employed, Total	2264	126	1166	22	1080	724	329	22	268
12	Indicator C	Wages & Salaries, Employer's contribution	34116	639	8605	114	11645	4418	2277	123	1625
13	Indicator C1	Wages & Salaries, Employer's including Bonus	31241	590	7884	104	10755	4110	2144	114	1568
14	Indicator C 1.1	Wages & Salaries	30456	574	7609	104	10324	3979	2031	110	1549
15	Indicator C 1.1.1	Workers	6274	453	4540	66	7062	2414	1145	79	1004
16	Indicator C 1.1.2	Supervisory & Managerial Staff	16689	58	1693	18	2305	1056	626	22	285
17	Indicator C 1.1.3	Other Employees	7493	63	1376	20	957	510	260	10	260
18	Indicator C 1.2	Bonus to all staff	785	16	275	0	431	131	113	3	19
19	Indicator C 2	Employer's Contribution etc.	2875	49	722	10	890	308	133	9	57

Estimates of Employment details at 3 digit (NIC- 2008) level for ASI 2020-21			Values in Rs. Lakh unless otherwise mentioned								
S.No	Characteristics		252	259	264	271	272	273	275	279	282
1	Indicator A	Average no. of persons engaged	27	836	81	1255	95	285	160	123	17
2	Indicator I	Workers	5	638	43	972	53	238	136	94	14
3	Indicator I.1	Directly employed	5	460	43	612	53	108	70	77	14
4	Indicator I.1.1	Men	5	449	43	604	53	100	70	73	14
5	Indicator I.1.2	Women	0	11	0	8	0	8	0	4	0
6	Indicator I.2	Employed through contractors	0	178	0	360	0	130	66	17	0
7	Indicator 2	Employees other than worker	17	181	38	283	41	46	22	24	1
8	Indicator 2.1	Supervisory & Managerial Staff	0	73	12	119	16	18	9	13	1
9	Indicator 2.2	Other employees	17	108	26	164	25	28	13	11	0
10	Indicator 3	Unpaid family members/Proprietor	5	17	0	1	1	1	2	5	2
11	Indicator B	Man-days employed, Total	5	240	21	373	29	81	47	33	5
12	Indicator C	Wages & Salaries, Employer's contribution	25	1629	685	3454	124	585	216	355	22
13	Indicator C1	Wages & Salaries, Employer's including Bonus	24	1508	226	3116	117	547	199	330	21
14	Indicator C 1.1	Wages & Salaries	23	1449	225	2931	113	520	197	322	19
15	Indicator C 1.1.1	Workers	3	866	99	1313	60	298	148	107	18
16	Indicator C 1.1.2	Supervisory & Managerial Staff	0	371	64	880	26	140	29	182	2
17	Indicator C 1.1.3	Other Employees	20	212	62	738	27	82	19	33	0
18	Indicator C 1.2	Bonus to all staff	1	59	0	185	4	27	2	7	1
19	Indicator C 2	Employer's Contribution etc.	1	121	460	338	7	38	16	25	1

Estimates of Employment details at 3 digit (NIC- 2008) level for ASI 2020-21							
<i>Values in Rs. Lakh unless otherwise mentioned</i>							
S.No	Characteristics		304	310	323	329	others
1	Indicator A	Average no. of persons engaged	36	363	36	1548	4503
2	Indicator I	Workers	24	269	25	1335	2570
3	Indicator I.1	Directly employed	24	188	25	317	2208
4	Indicator I.1.1	Men	24	187	25	222	2150
5	Indicator I.1.2	Women	0	1	0	95	58
6	Indicator I.2	Employed through contractors	0	81	0	1018	362
7	Indicator 2	Employees other than worker	8	89	5	213	1928
8	Indicator 2.1	Supervisory & Managerial Staff	4	38	1	73	489
9	Indicator 2.2	Other employees	4	51	4	140	1439
10	Indicator 3	Unpaid family members/Proprietor	4	5	7	0	4
11	Indicator B	Man-days employed, Total	8	94	8	465	1274
12	Indicator C	Wages & Salaries, Employer's contribution	39	881	32	2492	20664
13	Indicator C1	Wages & Salaries, Employer's including Bonus	35	748	31	2248	18374
14	Indicator C 1.1	Wages & Salaries	34	735	31	2215	17759
15	Indicator C 1.1.1	Workers	19	447	25	1401	6458
16	Indicator C 1.1.2	Supervisory & Managerial Staff	4	154	5	495	7604
17	Indicator C 1.1.3	Other Employees	10	134	2	320	3697
18	Indicator C 1.2	Bonus to all staff	1	13	0	33	615
19	Indicator C 2	Employer's Contribution etc.	5	133	0	244	2290

(Annexure –VI)

Estimates of principal characteristics at 2-digit (NIC-2008) level for ASI-2020-21.											Values in Rs. Lakh unless otherwise mentioned	
S.No	Characteristics	All	10	11	12	13	14	15	16	17	18	
1	Number of Factories (no.)	1009	157	24	5	25	11	4	24	68	12	
2	Factories in Operation (no.)	933	154	24	5	25	11	4	24	63	12	
3	Fixed Capital	802731	42216	40909	803	53146	369	254	1610	11675	935	
4	Physical Working Capital	462927	63070	10884	1201	24210	1764	227	1807	6153	140	
5	Working Capital	594418	114649	452	1097	28158	3341	253	1677	5978	331	
6	Invested Capital	1265658	105286	51793	2004	77355	2133	481	3418	17828	1075	
7	Gross Value of Addition to Fixed Capital	55164	7507	5181	19	5483	19	42	94	1805	8	
8	Rent Paid for Fixed Assets	858	116	12	2	1	2	1	5	12	1	
9	Outstanding Loan	260379	55994	11022	978	28640	44	15	912	8261	48	
10	Interest Paid	29394	4689	1868	134	1686	6	24	109	878	9	
11	Rent Received for Fixed Assets	0	0	0	0	0	0	0	0	0	0	
12	Interest Received	8293	1821	561	0	2749	12	0	11	71	1	
13	Gross Value of Plant & Machinery	764403	36730	34886	30	77379	0	0	334	4306	1232	
14	Value of Product and By-Product	3129818	345176	60691	1836	93520	2171	913	1652	57666	533	
15	Other Output	232710	41516	6801	0	1698	2	0	63	407	773	
16	Total Output	3362528	386692	67491	1836	95217	2172	913	1715	58073	1306	
17	Fuels Consumed	60732	6082	1504	28	7359	35	26	109	2065	36	
18	Materials Consumed	2092588	290226	33039	1401	59840	910	647	1079	43929	559	
19	Other Inputs	304216	61334	15778	32	4132	127	50	109	4871	423	
20	Total Inputs	2457536	357641	50321	1461	71330	1072	723	1297	50864	1018	
21	GVA	904992	29050	17170	375	23887	1100	190	418	7208	288	
22	Depreciation	70702	3878	4141	124	4008	46	37	155	1174	93	
23	NVA	834290	25172	13029	252	19879	1054	152	263	6035	195	
24	Net Fixed Capital Formation	-30689	1314	889	-105	-1504	-27	5	-64	554	-109	
25	Gross Fixed Capital Formation	40013	5192	5031	19	2504	19	42	91	1727	-16	
26	Addition in Stock of	49125	14618	893	450	-139	-128	74	-10	1060	19	
	(a) Materials,Fuels etc.	35030	4634	467	107	2819	-126	-71	-19	458	20	
	(b) Semi Finished Goods	-1943	-75	216	10	-854	-56	146	-33	113	0	
	(c) Finished Goods	16037	10060	210	333	-2105	53	-1	42	489	-1	
27	Gross Capital Formation	89138	19809	5924	469	2364	-110	116	82	2787	3	
28	Net Income	804039	20368	11148	116	18193	1046	127	149	5145	184	
29	Net profit	633065	9395	6441	36	3817	369	14	-10	2170	-377	

Estimates of principal characteristics at 2-digit (NIC-2008) level for ASI-2020-21.											
<i>Values in Rs. Lakh unless otherwise mentioned</i>											
S.No	Characteristics	19	20	21	22	23	24	25	26	27	28
1	Number of Factories (no.)	4	133	34	95	69	82	92	4	81	3
2	Factories in Operation (no.)	4	119	34	87	62	77	92	4	57	2
3	Fixed Capital	10320	92123	32566	56770	46876	21632	8072	293	6087	26
4	Physical Working Capital	2802	183892	30791	27208	26137	33510	9509	123	22667	46
5	Working Capital	3462	363577	41443	20502	10617	26272	13463	3042	21921	68
6	Invested Capital	13122	276015	63357	83978	73012	55142	17582	416	28754	72
7	Gross Value of Addition to Fixed Capital	1983	9423	2672	5659	5266	2933	281	0	547	13
8	Rent Paid for Fixed Assets	0	263	98	50	139	40	12	18	46	0
9	Outstanding Loan	203	28972	18650	10396	46127	17763	2998	3048	10030	10
10	Interest Paid	15	5850	951	2156	3115	4834	435	95	638	2
11	Rent Received for Fixed Assets	0	0	0	0	0	0	0	0	0	0
12	Interest Received	37	1347	253	177	499	339	104	0	73	2
13	Gross Value of Plant & Machinery	3261	88566	39450	87690	47304	15624	4471	22	5011	0
14	Value of Product and By-Product	70026	1384592	222883	237756	78355	216579	38615	298	121690	160
15	Other Output	126	33563	5479	7634	4829	11490	1309	526	2975	14
16	Total Output	70151	1418155	228363	245390	83184	228069	39924	824	124666	175
17	Fuels Consumed	173	8201	2599	6454	15291	8136	591	3	548	3
18	Materials Consumed	68804	908045	89805	184831	31552	190399	30722	220	106900	137
19	Other Inputs	749	52550	16248	11646	13732	10392	1942	41	3255	7
20	Total Inputs	69727	968796	108652	202930	60575	208927	33255	264	110703	147
21	GVA	425	449359	119710	42460	22609	19142	6669	560	13962	28
22	Depreciation	1149	10250	4180	7798	3743	2386	855	27	846	3
23	NVA	-724	439109	115530	34662	18865	16756	5814	532	13116	25
24	Net Fixed Capital Formation	830	-5388	-313	-3730	-1572	539	-741	-27	-655	5
25	Gross Fixed Capital Formation	1979	4862	3866	4068	2172	2925	114	0	191	8
26	Addition in Stock of	1555	29936	-703	2709	-865	1745	499	16	-3119	3
	(a) Materials, Fuels etc.	1638	22714	248	3557	1297	3459	27	-5	-4301	4
	(b) Semi Finished Goods	11	1396	242	-810	-1930	-1005	40	1	376	0
	(c) Finished Goods	-94	5826	-1192	-39	-232	-709	432	20	806	-1
27	Gross Capital Formation	3534	34798	3164	6777	1306	4670	614	16	-2928	10
28	Net Income	-739	432996	114482	32455	15611	11882	5367	420	12432	23
29	Net profit	-2159	392829	80365	23211	3852	5064	2088	-266	7699	1

Estimates of principal characteristics at 2-digit (NIC-2008) level for ASI-2020-21.		Values in Rs. Lakh unless otherwise mentioned			
S.No	Characteristics	30	31	32	others
1	Number of Factories (no.)	12	16	18	36
2	Factories in Operation (no.)	8	16	18	32
3	Fixed Capital	63	12734	5880	357371
4	Physical Working Capital	647	1428	6518	8193
5	Working Capital	1097	975	11307	-79266
6	Invested Capital	710	14162	12398	365564
7	Gross Value of Addition to Fixed Capital	0	69	594	5566
8	Rent Paid for Fixed Assets	0	2	13	25
9	Outstanding Loan	26	6017	219	10006
10	Interest Paid	1	54	26	1819
11	Rent Received for Fixed Assets	0	0	0	0
12	Interest Received	0	1	55	181
13	Gross Value of Plant & Machinery	0	147	7581	310381
14	Value of Product and By-Product	86	2703	19816	172100
15	Other Output	1	158	662	112687
16	Total Output	87	2861	20478	284787
17	Fuels Consumed	4	45	404	1035
18	Materials Consumed	33	2065	12731	34715
19	Other Inputs	41	228	1878	104652
20	Total Inputs	78	2338	15014	140402
21	GVA	10	523	5464	144386
22	Depreciation	10	320	847	24632
23	NVA	-1	203	4618	119753
24	Net Fixed Capital Formation	-10	-259	-304	-20017
25	Gross Fixed Capital Formation	0	60	543	4616
26	Addition in Stock of	-32	-63	1768	-1159
	(a) Materials,Fuels etc.	-27	-172	-539	-1159
	(b) Semi Finished Goods	-5	138	136	0
	(c) Finished Goods	0	-29	2171	0
27	Gross Capital Formation	-32	-3	2311	3457
28	Net Income	-2	147	4579	117910
29	Net profit	-41	-734	2055	97246

Annexure VI

Estimates of Employment details at 2 digit (NIC- 2008) level for ASI 2020-21			Values in Rs. Lakh unless otherwise mentioned							
S.No	Characteristics		ALL	10	11	12	13	14	15	16
1	Indicator A	Average no. of persons engaged	65054	5557	1601	79	7868	375	65	175
2	Indicator I	Workers	50713	4119	1138	58	7056	305	58	108
3	Indicator I.1	Directly employed	25904	2853	692	9	5931	293	58	73
4	Indicator I.1.1	Men	24481	2532	692	9	5231	265	58	73
5	Indicator I.1.2	Women	1423	321	0	0	700	28	0	0
6	Indicator I.2	Employed through contractors	24809	1266	446	49	1125	12	0	35
7	Indicator 2	Employees other than worker	14025	1383	451	15	805	62	7	50
8	Indicator 2.1	Supervisory & Managerial Staff	5745	447	130	4	441	28	3	25
9	Indicator 2.2	Other employees	8280	936	321	11	364	34	4	25
10	Indicator 3	Unpaid family members/Proprietor	316	55	12	6	6	8	0	17
11	Indicator B	Man-days employed, Total	19324	1614	477	20	2401	105	16	33
12	Indicator C	Wages & Salaries, Employer's contribution	170974	10973	4707	80	14376	677	113	159
13	Indicator C1	Wages & Salaries, Employer's including Bonus	156102	10179	4348	80	13089	641	110	153
14	Indicator C 1.1	Wages & Salaries	150749	9893	4185	80	12144	600	109	153
15	Indicator C 1.1.1	Workers	75239	5112	1346	53	9243	459	89	84
16	Indicator C 1.1.2	Supervisory & Managerial Staff	47781	2576	1313	13	1669	86	13	42
17	Indicator C 1.1.3	Other Employees	27729	2204	1526	14	1232	55	8	26
18	Indicator C 1.2	Bonus to all staff	5353	286	163	0	945	41	1	0
19	Indicator C 2	Employer's Contribution etc.	14872	794	359	0	1286	36	3	6

Estimates of Employment details at 2 digit (NIC- 2008) level for ASI 2020-21			Values in Rs. Lakh unless otherwise mentioned								
S.No	Characteristics		17	18	19	20	21	22	23	24	25
1	Indicator A	Average no. of persons engaged	2033	215	172	17465	7554	4216	3664	3713	1801
2	Indicator I	Workers	1662	92	100	14793	4676	3480	2882	3020	1395
3	Indicator I.1	Directly employed	1061	80	23	2084	1997	1973	2455	1628	956
4	Indicator I.1.1	Men	1008	77	23	2071	1929	1943	2454	1609	944
5	Indicator I.1.2	Women	53	3	0	13	68	30	2	19	12
6	Indicator I.2	Employed through contractors	601	12	77	12709	2679	1507	427	1392	439
7	Indicator 2	Employees other than worker	349	119	71	2658	2870	696	760	668	364
8	Indicator 2.1	Supervisory & Managerial Staff	205	18	26	1156	1344	301	414	280	130
9	Indicator 2.2	Other employees	144	101	45	1502	1526	395	346	388	234
10	Indicator 3	Unpaid family members/Proprietor	22	3	1	15	9	40	22	26	42
11	Indicator B	Man-days employed, Total	604	68	52	5252	2264	1292	1102	1075	513
12	Indicator C	Wages & Salaries, Employer's contribution	2976	562	1420	40166	34116	9245	11760	6818	3279
13	Indicator C1	Wages & Salaries, Employer's including Bonus	2770	510	1230	36958	31241	8474	10859	6368	3100
14	Indicator C 1.1	Wages & Salaries	2708	497	1123	35945	30456	8183	10428	6121	3021
15	Indicator C 1.1.1	Workers	1764	138	226	22426	6274	4993	7128	3638	1873
16	Indicator C 1.1.2	Supervisory & Managerial Staff	700	83	389	8190	16689	1751	2323	1704	656
17	Indicator C 1.1.3	Other Employees	245	275	508	5329	7493	1439	977	780	492
18	Indicator C 1.2	Bonus to all staff	62	13	107	1013	785	291	431	247	79
19	Indicator C 2	Employer's Contribution etc.	206	52	190	3208	2875	771	900	450	179

Estimates of Employment details at 2 digit (NIC- 2008) level for ASI 2020-21
Values in Rs. Lakh unless otherwise mentioned

S.No	Characteristics	26	27	28	30	31	32	others
1	Indicator A Average no. of persons engaged	81	1918	17	36	363	1584	4503
2	Indicator I Workers	43	1493	14	24	269	1360	2570
3	Indicator I.1 Directly employed	43	920	14	24	188	342	2208
4	Indicator I.1.1 Men	43	900	14	24	187	247	2150
5	Indicator I.1.2 Women	0	20	0	0	1	95	58
6	Indicator I.2 Employed through contractors	0	573	0	0	81	1018	362
7	Indicator 2 Employees other than worker	38	416	1	8	89	218	1928
8	Indicator 2.1 Supervisory & Managerial Staff	12	175	1	4	38	74	489
9	Indicator 2.2 Other employees	26	241	0	4	51	144	1439
10	Indicator 3 Unpaid family members/Proprietor	0	10	2	4	5	7	4
11	Indicator B Man-days employed, Total	21	563	5	8	94	473	1274
12	Indicator C Wages & Salaries, Employer's contribution	685	4734	22	39	881	2524	20664
13	Indicator C1 Wages & Salaries, Employer's including Bonus	226	4309	21	35	748	2279	18374
14	Indicator C 1.1 Wages & Salaries	225	4084	19	34	735	2247	17759
15	Indicator C 1.1.1 Workers	99	1926	18	19	447	1425	6458
16	Indicator C 1.1.2 Supervisory & Managerial Staff	64	1258	2	4	154	500	7604
17	Indicator C 1.1.3 Other Employees	62	901	0	10	134	322	3697
18	Indicator C 1.2 Bonus to all staff	0	225	1	1	13	33	615
19	Indicator C 2 Employer's Contribution etc.	460	424	1	5	133	245	2290

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