



उद्योगों का वार्षिक सर्वेक्षण  
**ANNUAL SURVEY OF INDUSTRIES**  
2020-2021  
कारखाना क्षेत्र के सार परिणाम  
**SUMMARY RESULTS FOR FACTORY SECTOR**



भारत सरकार  
सांख्यिकी और कार्यक्रम कार्यान्वयन मंत्रालय  
राष्ट्रीय सांख्यिकी कार्यालय  
समंक विधायन प्रभाग  
(औद्योगिक सांख्यिकी स्कंध)  
कोलकाता

**GOVERNMENT OF INDIA**  
**MINISTRY OF STATISTICS AND PROGRAMME IMPLEMENTATION**  
**NATIONAL STATISTICAL OFFICE**  
**DATA PROCESSING DIVISION**  
**(INDUSTRIAL STATISTICS WING)**  
**KOLKATA**



[www.mospi.gov.in](http://www.mospi.gov.in)



GoIStats



GoIStats



goistats



# उद्योगों का वार्षिक सर्वेक्षण ANNUAL SURVEY OF INDUSTRIES 2020-2021

कारखाना क्षेत्र के सार परिणाम  
SUMMARY RESULTS FOR  
FACTORY SECTOR



भारत सरकार  
सांख्यिकी और कार्यक्रम कार्यान्वयन मंत्रालय  
राष्ट्रीय सांख्यिकी कार्यालय  
समंक विधायन प्रभाग  
(औद्योगिक सांख्यिकी स्कंध)  
कोलकाता

GOVERNMENT OF INDIA  
MINISTRY OF STATISTICS AND PROGRAMME IMPLEMENTATION  
NATIONAL STATISTICAL OFFICE  
DATA PROCESSING DIVISION  
(INDUSTRIAL STATISTICS WING)  
KOLKATA

## प्रस्तावना

वार्षिक औद्योगिक सर्वेक्षण (एसआई) भारत के औद्योगिक परिदृश्य का वस्तुनिष्ठ मूल्यांकन करने हेतु पंजीकृत विनिर्माण क्षेत्र की महत्वपूर्ण विशिष्टताओं के बारे में सूचनाएँ उपलब्ध करवाता है। यह सर्वेक्षण कारखाना अधिनियम, 1948 के अंतर्गत पंजीकृत फैक्ट्रियों, बीड़ी तथा सिगार कर्मकार (नियोजन की शर्तें) अधिनियम, 1966 के अंतर्गत स्थापित प्रतिष्ठानों और केन्द्रीय विद्युत प्राधिकरण (सीईए) के अंतर्गत अपंजीकृत विद्युत के उत्पादन, संचरण, तथा वितरण में कार्यरत उपक्रमों के बारे में सूचना एकत्र करता है। योजनाकारों, नीति-निर्माताओं, औद्योगिक संगठनों, शोधार्थियों तथा व्यावसायिक विश्लेषकों द्वारा इस सर्वेक्षण के परिणामों का उपयोग व्यापक स्तर पर किया जाता है।

स्थापित परिपाटी के अनुरूप ही एसआई 2020-21 के परिणामों को खंड I, खंड II में प्रकाशित किया गया है, साथ ही "कारखाना खेत्र के सारांश परिणाम" शीर्षक से एक संक्षिप्त पुस्तिका भी प्रकाशित की गई है। दोनों खंडों में एसआई का सर्वेक्षण सविस्तार प्रकाशित किया गया है, जबकि कारखाना क्षेत्र का सारांश परिणाम एसआई के परिणामों के महत्वपूर्ण पहलुओं की ओर ध्यान दिलाने के उद्देश्य से तैयार किया गया है और इसे अलग प्रकाशन के रूप में प्रकाशित किया जा रहा है। सारांश परिणाम में विशेष सारणियों की सहायता से रोजगार का आकार, पूंजीगत निवेश, सकल उत्पाद, तथा केंद्र एवं राज्य/केंद्रशासित प्रदेश के स्तर निवल मूल्य संवर्धन जैसे महत्वपूर्ण पहलुओं की ओर ध्यान दिलाया गया है। ये सारणियाँ क्षेत्रीय एवं राष्ट्रीय स्तर पर औद्योगिक परिदृश्य का विहंगावलोकन प्रदान करती हैं।

एसआई 2020-21 हेतु अप्रैल 2022 से नवम्बर 2022 के दौरान सर्वेक्षण किया गया था। सर्वेक्षण की योजना औद्योगिक सांख्यिकी स्कंध, राष्ट्रीय प्रतिदर्श सर्वेक्षण कार्यालय (एनएसएसओ) के समंक विधायन प्रभाग द्वारा तैयार की जाती है और डाटा संग्रहण का कार्य एनएसएसओ के क्षेत्र संकार्य प्रभाग द्वारा किया जाता है। कोविड-19 महामारी के कारण इस बार सर्वेक्षण का कार्य बाधित हुआ। साथ ही, कॉर्पोरेट कार्य मंत्रालय ने भी विभिन्न प्रकार के कॉर्पोरेट रिटर्न्स जमा करवाने हेतु समयावधि में छूट प्रदान कर दी थी। इन कारणों से सर्वेक्षण का कार्य देरी से शुरू हो पाया।

मैं क्षेत्रीय संकार्य प्रभाग, औद्योगिक सांख्यिकी स्कंध, समंक विधायन प्रभाग तथा एनएसएसओ के सर्वेक्षण समन्वय प्रभाग में कार्यरत सभी अधिकारियों एवं कर्मचारियों की भूरि-भूरि प्रशंसा करती हूँ जिनके अथक प्रयासों से इस सर्वेक्षण का प्रकाशन संभव हुआ है। मैं फैक्ट्रियों के प्रबंधकों की भी आभारी हूँ जिन्होंने हमारे क्षेत्रीय अधिकारियों के लिए संगत रिकार्डों से डाटा संग्रहण हेतु पूर्ण सहयोग प्रदान किया।

सुधार हेतु सुझावों का स्वागत है।

नई दिल्ली  
फरवरी, 2024

  
(गीता सिंह राठौर)  
महानिदेशक (एन एस एस)

## PREFACE

Annual Survey of Industries (ASI) provides information on important characteristics of registered manufacturing sector for objectively evaluating the industrial scenario of India. It covers the factories registered under the Factories Act, 1948 and establishments under Bidi and Cigar Workers (Conditions of Employment) Act, 1966 and all electricity undertakings engaged in generation, transmission and distribution of electricity, not registered with the Central Electricity Authority (CEA). Survey findings are extensively utilized by planners, policymakers, industry associations, researchers, and business analysts.

As a matter of convention, the results of ASI 2020-21 are published in Volume I, Volume II and an abridged publication namely "Summary Results for Factory Sector". While the two volumes of the publication provide detailed results of factory sector from ASI, the Summary Results for Factory Sector is prepared with the objective to draw attention to certain key features of the ASI results and the same is being brought out as a separate publication. The Summary Results aim to present a comprehensive overview of ASI findings through specialized tables highlighting key characteristics such as employment size, capital investment, gross output, and net value added at both the national and state/UT levels. These tables provide a comprehensive overview of the industrial landscape at the regional as well as at the national level.

Survey for ASI 2020-21, was carried out during April 2022 to November 2022. The Industrial Statistics Wing, Data Processing Division of National Sample Survey Office (NSSO) prepares the entire plan of the survey and the field work is carried out by Field Operations Division of NSSO. In this survey a significant portion of the reference period was impacted by the COVID-19 pandemic. Additionally, the Ministry of Corporate Affairs extended the deadlines for filing various corporate returns. This resulted in a delayed commencement of the survey's field work.

I wish to place on record my appreciation for all the officers and staff members of Field Operations Division, Industrial Statistics Wing, Data Processing Division and Survey Coordination Division of NSSO for their dedicated efforts in bringing out the publication. I also record my appreciation for the factory management, who had extended all co-operation to the field officers in collecting the data from relevant records.

Suggestions for improvement are most welcome.

New Delhi  
February, 2024



(Geeta Singh Rathore)  
Director General (NSS)

# उद्योगों का वार्षिक सर्वेक्षण: 2020-2021

## विषय-वस्तु

### कारखाना क्षेत्र का सार परिणाम

<u>विषय</u>	<u>पृष्ठ संख्या</u>
भाग-1 परिचय	S1-1 – S1-13
भाग-2 कारखाना की संख्या के आकलन हेतु प्रक्रियाएं	S2-1 – S2-9
भाग-3 मुख्य विशिष्टताएं-अखिल भारतीय स्तर	S3-1 – S3-6
भाग-4 मुख्य विशिष्टताएं-उद्योग (एन.आई.सी. 2-अंकीय) स्तर	S4-1 – S4-6
भाग-5 मुख्य विशिष्टताएं-राज्य/संघ-राज्य क्षेत्र स्तर	S5-1 – S5-8
भाग-6 वृहत प्रवर्ग के आधार पर मुख्य विशिष्टताएँ	S6-1 – S6-3
भाग-7 नियोजन के आकार के आधार पर कारखानों का वितरण	S7-1 – S7-10
भाग-8 पूंजी के आकार के आधार पर कारखानों का वितरण	S8-1 – S8-3
भाग-9 सकल उत्पाद के आकार के आधार पर कारखानों का वितरण	S9-1 – S9-3
भाग-10 वर्धित निवल मूल्य के आकार के आधार पर कारखानों का वितरण	S10-1 – S10-3
भाग-11 प्रत्येक राज्य/संघ-राज्य क्षेत्र में कम से कम 80% योगदान करने वाले कुल उत्पाद के आधार पर बड़े उद्योगों का अंश	S11-1 – S11-10
भाग-12 प्रत्येक उद्योग में कम से कम 80% योगदान करने वाले कुल उत्पाद के आधार पर महत्वपूर्ण राज्यों/संघ-राज्य क्षेत्रों का अंश	S12-1 – S12-10
परिशिष्ट – I : सांख्यिकी अधिनियम एवं नियमों का संकलन	A.I-1 – A.I-21
परिशिष्ट – II : प्राक्कलन की प्रक्रिया	A.II-1 – A.II-6
परिशिष्ट – III : जांच हेतु उ.वा.स. अनुसूची	A.III-1 – A.III-12
परिशिष्ट – IV : अवधारणाएं एवं परिभाषाएं	A.IV-1 – A.IV-6
परिशिष्ट – V : राज्य द्वारा विलय किए गए उद्योग	A.V-1 – A.V-6

# ANNUAL SURVEY OF INDUSTRIES: 2020-2021

## CONTENTS

### SUMMARY RESULTS FOR FACTORY SECTOR

<b><u>SUBJECTS</u></b>	<b><u>PAGE NOS</u></b>
Section – 1 Introduction	S1-1 – S1-13
Section – 2 Procedures for Estimating Number of Factories	S2-1 – S2-9
Section – 3 Principal Characteristics – All- India Level	S3-1 – S3-6
Section – 4 Principal Characteristics – Industry (NIC-2 digit) Level	S4-1 – S4-6
Section – 5 Principal Characteristics - State/UT Level	S5-1 – S5-8
Section – 6 Principal Characteristics by Broad Categories	S6-1 – S6-3
Section – 7 Distribution of Factories in Operation by Size of Employment	S7-1 – S7-10
Section – 8 Distribution of Factories in Operation by Size of Capital	S8-1 – S8-3
Section – 9 Distribution of Factories in Operation by Size of Total Output	S9-1 – S9-3
Section – 10 Distribution of Factories in Operation by Size of Net Value Added	S10-1 – S10-3
Section – 11 Share of Major Industries contributing at least 80% in terms of Total Output within each State/UT	S11-1 – S11-10
Section – 12 Share of Major States/UTs contributing at least 80% in terms of Total Output within each Industry	S12-1 – S12-10
Annexure - I: Collection of Statistics Act and Rules	A.I-1 – A.I-21
Annexure - II: Estimation Procedure	A.II-1 – A.II-6
Annexure - III: ASI Schedule of Enquiry	A.III-1 – A.III-12
Annexure - IV: Concepts and Definitions	A.IV-1 – A.IV-6
Annexure - V: Merged Industries by State	A.V-1 – A.V-6

## 1. परिचय

### 1.1 क्षेत्र और विस्तार

1.1.1 उद्योगों का वार्षिक सर्वेक्षण (ASI) सांख्यिकी संग्रहण अधिनियम, 1953 के तहत 1959 से किया जा रहा है। वर्तमान में यह सर्वेक्षण 2017 में यथासंशोधित व 2011 में उनके तहत बनाए गए नियमावली के अनुसार सांख्यिकी संग्रहण अधिनियम, 2008 के तहत किया जा रहा है। सर्वेक्षण इस उद्देश्य से तैयार किया गया है जिससे देश के सकल घरेलू उत्पाद में पंजीकृत विनिर्माण क्षेत्र के योगदान का प्राक्कलन प्राप्त किया जा सके तथा उद्योगों के प्रकार के अनुसार उद्योगों की संरचना का व्यवस्थित अध्ययन व औद्योगिक नीतियों के निर्माण को प्रभावित करने वाले विभिन्न कारकों का अध्ययन किया जा सके। उपरोक्त अधिनियम तथा उसके तहत बनाई गई नियमावली की प्रति **परिशिष्ट-1** में दी गई है।

1.1.2 उद्योगों के वार्षिक सर्वेक्षण का विस्तार फैक्टरी अधिनियम, 1948 की धारा 2(एम)(i) तथा 2(एम)(ii) के अंतर्गत पंजीकृत औद्योगिक इकाइयों (जो कारखाना कहलाती हैं) तक सम्मिलित समग्र कारखाना क्षेत्र पर है, जिसमें 'कारखाना' जो उद्योगों के वार्षिक सर्वेक्षण के लिए परिगणना की प्राथमिक सांख्यिकी इकाई है, की परिभाषा इस प्रकार दी गई है-

अपनी परिसीमाओं सहित कोई भी 'ऐसा परिसर':-

- (i) जहाँ दस या उससे अधिक कामगार काम कर रहे हों या पिछले बारह महीनों में किसी भी दिन काम कर रहे हों, तथा उसके किसी भी भाग में विद्युत शक्ति की सहायता से कोई विनिर्माण कार्य किया जा रहा हो, या साधारणतः ऐसा किया जाता हो, अथवा
- (ii) जहाँ बीस या उससे अधिक कामगार काम कर रहे हों या पिछले बारह महीनों में किसी भी दिन काम कर रहे हों, तथा उसके किसी भी भाग में विद्युत शक्ति की सहायता के बिना कोई विनिर्माण कार्य किया जा रहा हो, या साधारणतः ऐसा किया जाता हो, परंतु इसमें खान अधिनियम, 1952 के प्रावधानों के अनुसार कोई खान या चालू रेलवे शेड शामिल नहीं है।

उपर उल्लिखित 'विनिर्माण कार्य' को कारखाना अधिनियम, 1948 में (धारा 2(के) को देखें) निम्न रूप से परिभाषित किया गया है-

'कोई प्रक्रिया' जो:

- (i) किसी भी वस्तु या पदार्थ को उसके उपयोग, बिक्री, परिवहन, सुपुर्दगी या निपटान के उद्देश्य से बनाने, रूपांतरित करने, अलंकृत, परिसज्जित करने, पैकिंग करने, ऑइलिंग करने, धोने, सफाई करने, अलग-अलग पूर्णों में विभाजित करने, ध्वस्त करने या अन्य किसी प्रकार से संसाधित करने या अनुकूल बनाने; अथवा
- (ii) तेल, पानी या गंदे पानी को पंप करके निकालने; अथवा
- (iii) विद्युत शक्ति उत्पन्न करने, रूपांतरित करने या प्रसारित करने; अथवा
- (iv) लेटर प्रेस द्वारा मुद्रण के लिए टाइप कम्पोज करने, लिथोग्राफी, फोटोग्राफी, फोटोग्रेव्योर या अन्य किसी प्रक्रिया से मुद्रण करने या जिल्दसाजी करने; अथवा
- (v) जहाजों या जलयानों का निर्माण करने, पुनर्निर्माण करने, मरम्मत करने, उनके पुर्जे खोलकर पुनः लगाने, उन्हें परिसज्जित करने या अलग-अलग पुर्जों में विभाजित करने; अथवा,
- (vi) किसी वस्तु को शीतागार में परिरक्षित करने के लिए प्रयोग किया जाता है।

1.1.3 कारखाना अधिनियम, 1948 की धारा 2(एम)(i) और 2(एम)(ii) के अतिरिक्त बीड़ी एवं सिगार इकाइयाँ, जहाँ पर विद्युत शक्ति की सहायता से 10 अथवा उससे अधिक श्रमिक एवं विद्युत शक्ति की सहायता के बिना 20 अथवा उससे अधिक श्रमिक काम करते हैं, एवं जो बीड़ी एवं सिगार श्रमिक (रोजगार शर्तें) अधिनियम, 1966 के अंतर्गत पंजीकृत इकाइयाँ हैं, उ.वा.स. में शामिल हैं। विद्युत उत्पादन, संचारण, तथा वितरण में लगे सभी विद्युत उपक्रम जो केंद्रीय विद्युत प्राधिकरण (CEA) द्वारा पंजीकृत नहीं हैं वे भी उ.वा.स. में शामिल हैं।

1.1.4 उ.वा.स. 2014-15 से क्षेत्र का विस्तार कारखाना अधिनियम, 1948 की धारा 2(एम)(i) व 2(एम)(ii) के बाहर भी किया गया है। प्रारंभ में, 100 या उससे अधिक कर्मचारियों वाली वैसी इकाइयाँ जो कारखाना अधिनियम, 1948 के खंड 2(एम) (i) व 2(एम) (ii) के अंतर्गत पंजीकृत नहीं थीं, परंतु जो बिजनेस रजिस्टर ऑफ एस्टेब्लिशमेंट(BRE) में राज्य सरकारों द्वारा तैयार तथा राष्ट्रीय प्रतिदर्श सर्वेक्षण कार्यालय (NSSO)के क्षेत्र संकार्य प्रभाग (FOD) द्वारा सत्यापित किसी भी सात अधिनियम/बोर्ड/प्राधिकरण जैसे, कंपनी अधिनियम, 1956; कारखाना

अधिनियम, 1948; शॉप्स एंड कमर्शियल एस्टेब्लिसमेंट एक्ट; समिति रजिस्ट्रीकरण अधिनियम ; कोऑपरेटिव सोसाइटीज एक्ट; खादि एवं ग्रामीण उद्योग बोर्ड; उद्योग निदेशालय (ज़िला उद्योग केंद्र ) के अंतर्गत पंजीकृत हों, जब भी ऐसी सूचियाँ राज्य सरकारों द्वारा साझा की जाती हैं, उन्हें भी चयन हेतु विचार किया जाता है।

1.1.5 यद्यपि उद्योगों के वार्षिक सर्वेक्षण के विषय क्षेत्र में देश की समस्त पंजीकृत विनिर्माण संस्थाएं शामिल हैं, तथापि रक्षा संस्थान, तेल संग्रहण एवं वितरण करने वाले डिपो, रेस्तरां, होटल, कैफे एवं कम्प्यूटर सेवाएं, विभागीय इकाइयां जैसे रेलवे वर्कशॉप, आर.टी.सी. वर्कशॉप, सरकारी टकसाल, सफाई, जल आपूर्ति, गैस भंडारण इकाई, आदि को सर्वेक्षण के क्षेत्र से बाहर रखा गया है। सर्वेक्षण 2017 में यथासंशोधित व उनके तहत 2011 में बनाए गए नियमों के तहत सांख्यिकी संग्रहण अधिनियम, 2008 के सांविधिक प्रावधानों के तहत सालाना किया जाता है। 2020-21 से उद्योगों के वार्षिक सर्वेक्षण का भौगोलिक विस्तार संपूर्ण देश में कर दिया गया है।

## 1.2 परिगणना एकक

1.2.1 विनिर्माणकारी उद्योगों के मामले में सर्वेक्षण के लिए परिगणना की प्राथमिक इकाई कारखाना है, जबकि मरम्मत सेवाओं के मामले में यह इकाई वर्कशॉप है, विद्युत, गैस एवं जल आपूर्ति करने वाले उपक्रमों के मामले में उपक्रम अथवा लाइसेंसधारी तथा बीड़ी एवं सिगार उद्योगों के क्षेत्र में प्रतिष्ठान है। तथापि केवल एक ही राज्य में स्थित किसी एक ही उद्योग समूह एवं एक ही योजना के अंतर्गत आने वाले दो या इससे अधिक प्रतिष्ठानों के मालिक को एक ही 'संयुक्त रिटर्न' प्रस्तुत करने की अनुमति दी जाती है। उ.वा.स. में कुछ कारखानों के मामले में ऐसे समेकित रिटर्न एक आम प्रचलन है।

## 1.3 उ.वा.स फ्रेम

1.3.1 उ.वा.स का फ्रेम प्रत्येक राज्य में मुख्य कारखाना निरीक्षक (CIF) द्वारा रखी जा रही पंजीकृत कारखाना इकाइयों तथा बीड़ी एवं सिगार प्रतिष्ठानों एवं विद्युत उपक्रमों के संबंध में लाइसेंसिंग प्राधिकरणों द्वारा रखी जा रही सूचियों पर आधारित है। राज्य के मुख्य कारखाना निरीक्षक के साथ परामर्श करते हुए राष्ट्रीय प्रतिदर्श सर्वेक्षण कार्यालय (NSSO) के क्षेत्रीय संकार्य प्रभाग (FOD) के क्षेत्रीय कार्यालयों द्वारा फ्रेम में संशोधन एवं समय समय पर इसे अद्यतन किया जा रहा है। संशोधित करते समय उन कारखानों के नाम उ.वा.स फ्रेम से हटा दिया जाता है जिनका पंजीकरण रद्द कर दिया गया हो तथा साथ ही नई पंजीकृत कारखानों के नाम उसमें शामिल कर लिए जाते हैं। फ्रेम को अद्यतित करते समय केवल नई पंजीकृत इकाइयों को ही विद्यमान फ्रेम में शामिल किया जाता है। फ्रेम को नियमित रूप से अद्यतन किए जाने के बावजूद यह पाया जाता है कि सर्वेक्षण के लिए चयनित बहुत से कारखानों को अनस्तित्व, अपंजीकरण, तथा कवरेज से बाहर होने जैसे कारणों से निकाल दिए गए हैं ।

1.3.2 उल्लेखनीय है कि प्रचालन में रहे कारखानों को छोड़कर उ.वा.स. फ्रेम में वैसे कारखाने हैं, जिन्हें पैरा 1.6.2 में परिभाषित अचल आस्तियों व मेनेटेनिंग स्टाफ सहित विद्यमान, परंतु उत्पादन रहित हैं' तथा 'अचल आस्तियों सहित विद्यमान, परंतु मेनेटेनिंग स्टाफ व उत्पादन रहित हैं' की श्रेणी में रखा गया है।

## 1.4 संदर्भ अवधि

1.4.1 उ.वा.स. 2020-21 की संदर्भ अवधि कारखाना का लेखा वर्ष था, जो वित्तीय वर्ष 2020-21 के दौरान किसी भी दिन समाप्त हो सकता था । अतः उ.वा.स. 2020-21 में विभिन्न स्थापनाओं से संग्रहित किए गए ऑकड़े उनके अपने लेखा वर्ष से संबन्धित हैं, जो 1 अप्रैल, 2020 व 31 मार्च, 2021 के बीच किसी भी दिन समाप्त हो सकते हैं । यह सर्वेक्षण अप्रैल, 2022 से नवंबर, 2022 के दौरान आयोजित किया गया था । सर्वेक्षण की संदर्भ अवधि के दौरान देश में कोविड - 19 महामारी का दौर विद्यमान था जब सम्पूर्ण देश में लॉकडाउन और विघटन की स्थिति देखी गई थी।

## 1.5 प्रतिदर्श डिजाइन एवं प्रतिदर्श आबंटन

1.5.1 उ.वा.स. 2020-21 में अपनाए गए प्रतिदर्श डिजाइन के अनुसार उ.वा.स. प्रतिदर्श के दो भाग हैं- केंद्रीय प्रतिदर्श व राज्य प्रतिदर्श। केंद्रीय प्रतिदर्श के दो स्कीम हैं- गणना और प्रतिदर्श। गणना स्कीम के अंतर्गत सभी इकाइयों का सर्वेक्षण किया जाता है।



### 1.5.2 गणना स्कीम : गणना स्कीम की निम्नलिखित इकाइयाँ हैं-

- (क) सभी औद्योगिक इकाइयाँ, जो औद्योगिक रूप से नौ कम विकसित राज्य/संघ राज्य क्षेत्र यथा- अरुणाचल प्रदेश, मणिपुर, मेघालय, नागालैंड, सिक्किम, त्रिपुरा, मिज़ोरम, अंडमान एवं निकोबार द्वीपसमूह और लद्दाख में स्थित है।  
 (ख) फ्रेम NIC= 0893 (नमक संकर्षण) की सभी इकाइयाँ ।  
 (ग) "क" में उल्लिखित को छोड़कर अन्य राज्यों/संघ राज्य क्षेत्रों के लिए।

(i) छः राज्यों/ संघ राज्य क्षेत्रों यथा- जम्मू और कश्मीर, हिमाचल प्रदेश, राजस्थान, बिहार, छत्तीसगढ़ और केरल की वैसी इकाइयाँ जिनमें 75 या अधिक कर्मचारी काम करते हैं।

(ii) तीन राज्यों/संघ राज्य क्षेत्रों यथा-चंडीगढ़, दिल्ली तथा पुडुच्चेरी की वैसी इकाइयाँ जिनमें 50 या अधिक कर्मचारी काम करते हैं।

(iii) शेष राज्यों/संघ राज्य क्षेत्रों की वे इकाइयाँ जिनमें 100 या इससे ज्यादा कामगार हों एवं जो उपरोक्त (i) तथा (ii) में उल्लिखित नहीं हैं।

(iv) संयुक्त रिटर्न के अंतर्गत आनेवाली सभी इकाइयाँ जहाँ संयुक्त रिटर्न तभी मान्य है जब एक ही प्रबंधन के अंतर्गत एक ही राज्य/संघ राज्य क्षेत्र में स्थित (3-अंकीय एन.आई.सी स्तर) कारखाना की दो या अधिक इकाइयाँ हों।

(घ) उपरोक्त (क), (ख) एवं (ग) में परिभाषित गणना स्कीम इकाइयाँ को छोड़कर स्ट्राटा का निर्माण (राज्य x जिला x क्षेत्र x तीन अंकीय NIC-2008) स्तर पर किया जाता है। यहाँ, 'क्षेत्र' बहुत विशाल आर्थिक समूह है जिसमें विनिर्माण, विद्युत उत्पादन कार्य तथा 'बीड़ी' बनाने का कार्य शामिल है। इस प्रकार, संक्षेप में, (i) बीड़ी (ii) विनिर्माण और (iii) विद्युत क्षेत्र हैं। स्ट्राटा से संबन्धित सभी इकाइयाँ (अर्थात् राज्य x जिला x क्षेत्र x तीन अंकीय एन.आई.सी-2008 के आधार पर निर्मित) जो चार इकाइयाँ के बराबर या उससे कम हैं, की भी संपूर्ण गणना की जाती है और उन्हें भी "गणना क्षेत्र" की इकाई समझा जाता है।

### (ड.) प्रतिदर्श स्कीम :

फ्रेम में बचे हुए सारे इकाइयाँ को प्रतिदर्श स्कीम के अंतर्गत समझा जाता है। सभी राज्यों के लिए स्तर का निर्माण प्रत्येक राज्य x जिला x क्षेत्र x तीन अंकीय एन.आई.सी -2008 कारखानों के लिए किया जाता है। प्रत्येक स्ट्रेटम में इकाइयाँ को कर्मचारियों की संख्या के अनुसार अवरोही क्रम में रखा जाता है। प्रतिदर्श चयन हेतु स्ट्रेटिफाइड सर्कुलर सिस्टैमेटिक प्रतिदर्श तरीका अपनाया जाता है। न्यूनतम चार इकाइयाँ वाले संसंख्यक इकाइयाँ का चयन किया जाता है और उसे चार उप-प्रतिदर्शों में बराबर बाँट दिया जाता है। उल्लेखनीय है कि एक विशेष स्ट्रेटम के चार उप-प्रतिदर्शों की संख्या समान नहीं भी हो सकती है।

- (च) इन चार उप-प्रतिदर्शों में से दो पूर्व-निर्दिष्ट उप-प्रतिदर्श राष्ट्रीय प्रतिदर्श सर्वेक्षण कार्यालय (NSSO)(FOD) को दिया जाता है और बाकी दो उप-प्रतिदर्श डाटा संग्रहण हेतु राज्य/संघ राज्य क्षेत्र को दे दिया जाता है।  
 (छ) संपूर्ण गणना इकाई व राष्ट्रीय प्रतिदर्श सर्वेक्षण कार्यालय (NSSO)(FOD) को दिए गए दो उप-प्रतिदर्शों की सभी इकाइयाँ को केंद्रीय प्रतिदर्श समझा जाता है।  
 (ज) राज्य/संघ राज्य क्षेत्र को दिए गए दो उप-प्रतिदर्श का अपने राज्य/संघ राज्य क्षेत्र द्वारा कैनवास किया जाना है। अतः राज्य/ संघ राज्य क्षेत्रों को उनके संबन्धित राज्य/संघ राज्य क्षेत्र के जिला स्तरीय प्राक्कलनों को प्राप्त करते समय राज्य प्रतिदर्श डाटा सहित (राष्ट्रीय प्रतिदर्श सर्वेक्षण कार्यालय (NSSO)(FOD) द्वारा संग्रहित तथा औद्योगिक सांख्यिकी (IS) विंग, समंक विधायन प्रभाग (DPD), राष्ट्रीय प्रतिदर्श सर्वेक्षण कार्यालय (NSSO) द्वारा संसाधित डाटा का प्रयोग करना पड़ता है।  
 (झ) राज्य प्रतिदर्श एवं केंद्रीय प्रतिदर्श 'पूल' करने हेतु संपूर्ण गणना इकाई व राष्ट्रीय प्रतिदर्श सर्वेक्षण कार्यालय (NSSO)(FOD) को दिए गए दो उप-प्रतिदर्शों की सभी इकाइयाँ व राज्य/संघ राज्य क्षेत्र को दिए गए दो उप-प्रतिदर्शों की आवश्यकता पड़ती है।

1.5.3 उल्लेखनीय है कि प्रतिदर्शों को सभी स्ट्राटा से 10% समय प्रतिदर्श अंश समझकर लिया गया है। 'खुला', 'अचल आस्तियां व मेनेटेनिंग स्टाफ सहित विद्यमान परंतु उत्पादन रहित' तथा 'अचल आस्तियां सहित परंतु मेनेटेनिंग स्टाफ व उत्पादन रहित' स्थिति वाली इकाइयाँ वाले लाइव फ्रेम का आकार 2,52,218 था। इनमें से 56,070 इकाइयाँ गणना क्षेत्र से संबन्धित थीं, जबकि शेष 1,96,148 इकाइयाँ प्रतिदर्श क्षेत्र से संबन्धित थीं। उ.वा.स. 2020-21 हेतु कुल प्रतिदर्श आकार 79,589 (गणना 56,070 तथा प्रतिदर्श 23,519) इकाइयाँ थीं।

## 1.6 प्राक्कलन पद्धति

1.6.1 प्राक्कलन की विशेषताओं के लिए प्रतिदर्श डिजाइन और पद्धतियों को *परिशिष्ट-II* में दिखाया गया है।

1.6.2 कुछ चयनित इकाइयों के संबंध में सर्वेक्षण के दौरान पाया जाता है कि इकाई दिए गए स्थान पर विद्यमान थी और संदर्भ अवधि के दौरान कुछ कामगार भी काम में लगे हुए थे, परंतु विभिन्न कारणों से संदर्भ अवधि में उनका उत्पादन शुरू नहीं हुआ था और जो समस्याओं का समाधान होने पर किसी भी क्षण उत्पादन प्रारंभ कर सकता है। इन इकाइयों को संदर्भ अवधि के दौरान उ.वा.स. के उद्देश्य से 'अचल आस्तियां व मेनटेनिंग स्टाफ सहित विद्यमान परंतु उत्पादन रहित' समझा जाता है और उसी तरह से दूसरे सर्वेक्षित इकाइयों (यथा- ऐसी इकाई जिनके लिए संगत सूचना एकत्रित की जा सके) के साथ सभी मापदण्डों जैसे, आस्तियों, रोजगार, इत्यादि में रखा जाता है। कुछ दूसरे इकाई भी हैं जो किसी दिए गए स्थान पर विद्यमान थीं, परंतु संदर्भ अवधि में किसी कामगार की नियुक्ति नहीं की और संदर्भ अवधि में न तो उत्पादन आरंभ किया और न ही कोई उत्पादन किया। ऐसी इकाइयों को उ.वा.स. के उद्देश्य से, संदर्भ अवधि में 'अचल आस्तियों सहित परंतु मेनटेनिंग स्टाफ व उत्पादन रहित' समझा जाता है। इसके अलावा, साधारणतः, ऐसी इकाइयों को लगातार तीन वर्षों तक फ्रेम में रखा जाता है और सर्वेक्षण में चयन के लिए यह सोचकर उपयुक्त समझा जाता है कि वे कुछ कामगारों को रखकर कभी भी उत्पादन प्रारंभ कर सकते हैं। तथापि, यदि लगातार तीन वर्षों तक ऐसी इकाइयों जो 'अचल आस्तियों सहित परंतु मेनटेनिंग स्टाफ व उत्पादन रहित' अस्तित्व में पायी जाती हैं, तो इन्हें मृत मान लिया जाता है और फ्रेम से विलुप्त कर सर्वेक्षण से हटा दिया जाता है। उल्लेखनीय है कि संदर्भित अवधि के लिए इकाइयों (कारखानों) की प्राक्कलित संख्या देने में, इस रिपोर्ट में प्रस्तुत मापदण्डों के प्रचलित तरीके से प्राक्कलन के लिए इन इकाइयों को अन्य सर्वेक्षित इकाइयों के साथ रखा जाता है।

1.6.3 प्रकाशन में जो परिणाम दिए गए हैं वे, क्षेत्र संकार्य प्रभाग (FOD), राष्ट्रीय प्रतिदर्श सर्वेक्षण कार्यालय (NSSO) द्वारा संग्रहित तथा औ.सां.स्कंध, समंक विधायन प्रभाग (DPD), राष्ट्रीय प्रतिदर्श सर्वेक्षण कार्यालय (NSSO) द्वारा संसाधित केंद्रीय प्रतिदर्श डाटा पर आधारित हैं। इसके अतिरिक्त, इस प्रकाशन में दिए गए प्राक्कलित मूल्य के आँकड़े वर्तमान मूल्यों में दिए गए हैं। मूल्यों को हजार या लाख रु. के पूर्णांक में लिखा जाता है। अखिल भारतीय आँकड़ों को अलग से पूर्णांक में लिखा जाता है जो राज्य/संघ राज्य क्षेत्र आँकड़ों के योग से मेल नहीं भी खा सकते हैं। इसी प्रकार, सर्व-उद्योग आँकड़े अलग-अलग उद्योग आँकड़ों के योग से मेल नहीं भी खा सकते हैं। विभिन्न स्तरों पर उद्योगों के विलयन के कारण (पैरा 1.9.2), निम्न स्तर की उद्योगवार कुल संख्या का मेल परवर्ती उच्चतर संख्या से नहीं भी हो सकता है।

## 1.7 जाँच की अनुसूची

1.7.1 उ.वा.स. 2020-21 की अनुसूची के दो भाग हैं। भाग-1, जिसका संसाधन औ.सां.स्कंध, समंक विधायन प्रभाग (DPD), राष्ट्रीय प्रतिदर्श सर्वेक्षण कार्यालय (NSSO) में किया जाता है, का उद्देश्य अचल आस्तियों और देयताओं, रोजगार एवं श्रम लागत, फुटकर प्राप्ति, फुटकर व्यय, उपभुक्त सामग्री- देशी एवं आयातित, विनिर्मित उत्पाद एवं उपोत्पाद, विभाजक व्यय आदि के संबंध में डाटा संग्रह करना है। भाग दो, जिसका संसाधन श्रम ब्यूरो द्वारा किया जाता है, का उद्देश्य श्रम सांख्यिकी से संबंधित विभिन्न पक्षों, जैसे कार्य दिवस, श्रम घंटे, अनुपस्थिति, श्रमिकावर्त, उपार्जन एवं सामाजिक सुरक्षा लाभों के बारे में डाटा एकत्रित करना है।

1.7.2 उ.वा.स. 2020-21 अनुसूची की एक प्रति *परिशिष्ट-III* में दी गई है। उ.वा.स. सर्वेक्षण में प्रयुक्त विभिन्न अवधारणाएं व परिभाषाएं *परिशिष्ट-IV* में दी गई हैं।

## 1.8 उद्योगों का वर्गीकरण

1.8.1 केंद्रीय उत्पाद वर्गीकरण (CPC) संयुक्त राष्ट्र संघ द्वारा लागू आर्थिक वर्गीकरण की अंतरराष्ट्रीय प्रणाली के अंतर्गत सभी उत्पाद वर्गीकरण के संदर्भ के रूप में कार्य करती है। यह एक पूर्ण उत्पाद वर्गीकरण है जिसमें SNA फ्रेमवर्क के तहत उत्पाद की परिभाषा के अनुरूप वस्तुएं एवं सेवाएं शामिल हैं। विनिर्माण क्षेत्र के लिए राष्ट्रीय उत्पाद वर्गीकरण (NPCMS), 2011, जो औद्योगिक सांख्यिकी स्कंध, कोलकाता द्वारा विकसित एक 7-अंकीय उत्पाद वर्गीकरण है, सी.पी.सी. के अनुच्छेद 0 से 4, संस्करण-2.0 पर आधारित है, जिसका संबंध विनिर्माण क्षेत्र के उत्पादों से है। NPCMS-2011 कोडों का प्रयोग उ.वा.स. 2010-11 से 2014-15 तक के उ.वा.स. अनुसूची के 'एच', 'आई' व 'जे' ब्लॉक में स्थित निवेश निर्गम मदों को दर्ज करने के लिए किया गया है। उ.वा.स. 2015-16 में, NPCMS, 2011 का संशोधित संस्करण उ.वा.स. में संग्रहित निवेश निर्गम मदों को वर्गीकृत करने में किया जाता है।

**1.8.2** उ.वा.स 1973-74 से उ.वा.स. 1988-89 तक कारखानों के आर्थिक क्रिया कलापों के वर्गीकरण के लिए एन.आई.सी-1970 का अनुसरण किया गया था। उस समय एन.आई.सी-1987 को चालू किया गया था जिसका उ.वा.स. 1997-98 तक अनुसरण किया गया। उ.वा.स. 1998-99 से उ.वा.स. 2003-04 तक एन.आई.सी-1998 का अनुसरण किया गया था। उ.वा.स. 2004-05 से वर्गीकरण की नई श्रेणी अर्थात एन.आई.सी-2004 चालू की गई और इसे ही उ.वा.स. 2007-08 तक प्रयोग में लाया गया। उ.वा.स. 2008-09 से एन.आई.सी-2008 चालू किया गया। यह उ.वा.स. फ्रेम के सभी कारखानों को उनके द्वारा विनिर्मित मुख्य उत्पाद के मूल्य के आधार पर समुचित उद्योग समूहों के रूप में वर्गीकृत करती है। इस पद्धति से कोई इकाई किसी एक उद्योग समूह में केवल एक ही बार वर्गीकृत की जाती है, चाहे उक्त इकाई द्वारा विभिन्न उद्योग समूहों से संबंधित उत्पादों का विनिर्माण क्यों न किया जा रहा हो। इस रिपोर्ट में प्रस्तुत विभिन्न समूहों के प्राक्कलन दो या तीन या चार अंकीय स्तर के उद्योग एन.आई.सी 2008 वर्गीकरण से मेल खाते हैं। **2-अंकीय एन.आई.सी. विभाजन 10-33, 38 व 58 के सभी कारखानों और एन.आई.सी.-2008 के उप-वर्ग 01632, 01640 एवं 08932 और अन्य कारखानें (सारणी 0 में सूचीकृत) भी उ.वा.स. 2020-21 में शामिल हैं। इस प्रकाशन के लिए सारणी 0 उद्योगों के वर्गीकरण को वृहत् श्रेणी में दर्शाती है।**

**सारणी 0 : वृहत् श्रेणी में उद्योगों का वर्गीकरण**

एन.आई.सी-08	वृहत् श्रेणी का नाम
10-33, 38 व 58	चुनिन्दा विनिर्माण
35 व 36	विद्युत, गैस, जलापूर्ति
01: 01632 (कपास जिनिंग, सफाई व गट्ठे में बांधना), 01640 (प्रजनन हेतु बीज प्रक्रमण),	अन्य
08:08932 (समुद्री जल अथवा अन्य खारे जल के वाष्पीकरण द्वारा नमक उत्पादन)	
3700 (निकासी)	
4520 (मोटर वाहनों की मरम्मत व रख-रखाव)	
4540 (मोटर साइकिल व इनसे जुड़े अवयवों की बिक्री रख-रखाव व मरम्मत)	
5210 (मालगोदाम व भंडारण)	
5911 (चलचित्र, विडियो और दूरदर्शन कार्यक्रमों के निर्माण संबंधी गतिविधियाँ)	
5912 (चलचित्र, विडियो और दूरदर्शन कार्यक्रमों की तैयार होने के बाद की गतिविधियाँ)	
5913 (चलचित्र, विडियो और दूरदर्शन कार्यक्रमों की तैयार होने के वितरण संबंधी गतिविधियाँ)	
5920 (ध्वनि रिकार्डिंग व संगीत प्रकाशन गतिविधियाँ)	
7420 (फोटोग्राफी संबंधी गतिविधियाँ)	
8292 (पैकेजिंग गतिविधियाँ)	
95 (कंप्यूटर एवं अन्य घरेलू सामान की मरम्मत)	
9601 (वस्त्रों एवं रोएं से निर्मित सामानों की धुलाई व निर्जल धुलाई)	

## 1.9 प्रकाशन एवं प्रतिबंध

1.9.1 इस प्रकाशन में दिए गए परिणाम क्षेत्र संकार्य प्रभाग (FOD), राष्ट्रीय प्रतिदर्श सर्वेक्षण कार्यालय (NSSO) द्वारा संग्रहित और औ.सां.स्कंध, समंक विधायन प्रभाग (DPD), राष्ट्रीय प्रतिदर्श सर्वेक्षण कार्यालय (NSSO) द्वारा संसाधित केंद्रीय प्रतिदर्श डाटा पर आधारित होते हैं। उ.वा.स. 2020-21 के परिणाम अखिल भारतीय स्तर में NIC-2008 के 2/3/4-अंकीय स्तर पर तथा राज्यों/संघ राज्य क्षेत्रों के स्तर के लिए NIC-2008 के 2/3-अंकीय स्तर पर जारी किए जाते हैं। जबकि खंड-1 अचल पूंजी तथा वर्धित मूल्य, रोजगार तथा मजदूर लागत, खपत इंधन आदि की सारणी से संबन्धित हैं, वहीं खंड-11 में 3-अंकीय NIC राज्यवार खपत माल के साथ-साथ कारखानों द्वारा उत्पन्न उत्पाद और उपोत्पाद शामिल हैं। इन निवेश निर्गम मदों को विनिर्माण क्षेत्र (NPCMS), 2011(संशोधित) के लिए राष्ट्रीय उत्पाद वर्गीकरण के अनुसार वर्गीकृत किया जाता है। इनके अतिरिक्त, दूसरा प्रकाशन, यथा- फैक्टरी क्षेत्र के सारांश परिणाम अखिल भारतीय/संघ राज्य क्षेत्रों व NIC-2008 के 2-अंकीय स्तर के मुख्य अभिलक्षणों पर विशेष सारणियों के माध्यम से उ.वा.स परिणामों का सारांश दृश्य देने के उद्देश्य से तैयार किया जाता है। यह महत्वपूर्ण अभिलक्षणों जैसे रोजगार का आकार, पूंजी, सकल उत्पाद, निवल वर्धित मूल्य द्वारा कारखानों के वितरण को दर्शाता है।

1.9.2 सांख्यिकी संग्रहण अधिनियम, 2008 के अनुसार अलग-अलग कारखानों का डाटा बताना निषिद्ध है। अतः अगर किसी राज्य में (NIC-2008 के 2-अंकीय/3-अंकीय स्तर) के किसी उद्योग के अंतर्गत कारखानों की संख्या तीन से कम हो, तो संबंधित स्ट्रैटम के ऐसे सभी इकाईयों की पहचान छुपाने के लिए डाटा को समरूपी उद्योग से मिला दिया गया है। ऐसे विलयित उद्योगों की सूची **परिशिष्ट -V** में दी गई है। इसी तरह यदि अखिल भारतीय स्तर पर एन.आई.सी 4-अंकीय/3-अंकीय स्तर के अंतर्गत इकाईयों की संख्या तीन से कम है, तो उद्योग को उसी वृहत् उद्योग समूह के अंतर्गत समरूपी उद्योग में विलयित कर दिया गया है।

1.9.3 सभी प्राक्कलन, विशेषतः किसी विशेष उपभुक्त व उत्पादित मद की मात्रा और 'वैल्यू' आंकड़े के लिए सांख्यिकीय चूकों के अध्यधीन हैं क्योंकि इनका प्राक्कलन किसी चयनित प्रतिदर्श के आधार पर किया जाता है। अवलोकन की संख्या अपर्याप्त होने वाले वस्तुओं के लिए उपभोग तथा उत्पादन का प्राक्कलन पृथक रूप से नहीं किया जाता है। उन्हें 'अन्य' के अंतर्गत दर्शाया जाता है क्योंकि ऐसे मदों के प्राक्कलन संगत नहीं भी हो सकते हैं।

1.9.4 सारणीयन नीति के तहत एनआईसी-2008 के अनुसरण में विस्तृत सूचना का प्रकाशन उद्योग कोड 01,08,10 से 33, 38 व 58 के अनुरूप करने का निर्णय लिया गया है। उ.वा.स. विस्तार के अंतर्गत अन्य सभी उद्योग कोडों के लिए इकाईयों को एक साथ मिलाया गया है और उन्हें एक सामान्य उद्योग 'अन्य' के अंतर्गत विभिन्न सारणियों में दर्शाया गया है।

1.9.5 अन्य उल्लेखनीय बिन्दु यह है कि 'डिसएगीगेट' स्तर पर इस रिपोर्ट में दिखाए गए कुछ मापदण्डों में दर और अनुपात, मुख्यतः छोटे राज्यों व संघ राज्य क्षेत्रों के लिए, जो क्रियात्मकता वर्गीकरण 2/3/4-अंकीय स्तर द्वारा वर्गीकृत हैं, छोटे प्रतिदर्श आकार की सीमा के अध्यधीन हैं और इस प्रकार प्रयोगकर्ता समय के अनुसार इन मापदण्डों के आकार तथा बदलाव की व्याख्या कर सकते हैं।

1.9.6 किन्हीं निश्चित मामलों में, कुछ अभिलक्षणों में पिछले वर्ष की तुलना में असामान्य बढ़त/गिरावट हो सकते हैं, उसके संभावित कारण निम्नलिखित हैं:-

(क) फ्रेम में, मुख्यतः गणना क्षेत्रों में नई इकाईयों का समावेश।

(ख) गुणकों के पर्याप्त मूल्य रखने वाले कुछ प्रतिदर्श इकाईयों का चयन/अचयन।

(ग) गणना इकाईयों का बंद/अप्रचालन में होना, जिनका पिछले वर्ष अर्थव्यवस्था पर काफी प्रभाव था।

(घ) पिछले वर्ष के गणना इकाईयों का वर्तमान वर्ष की गणना इकाईयों में चले जाना जो कि नियोजन के आकार या प्रतिदर्श नीति या दोनों पर निर्भर करता है, और एक दूसरे के विपरीत है।

(ङ) पिछले वर्ष के उच्च/निम्न कार्यनिष्पादन की तुलना में वर्तमान वर्ष में इकाईयों का उच्च निम्न कार्य निष्पादन।

## 1. Introduction

### 1.1 Scope and Coverage

**1.1.1.** Annual Survey of Industries (ASI) has been conducted since 1959 under the Collection of Statistics Act, 1953. Presently, the survey is being conducted under the Collection of Statistics Act, 2008 as amended in 2017 and Rules framed there under in 2011. The Survey is designed to obtain comprehensive and detailed data with the objective of estimating the contribution of registered manufacturing sector as a whole to Gross Domestic Product of the Country and also by type of industry, systematic study of the structure of the industries by type of industry, study of the various factors influencing the industries for formulation of industrial policies. A copy of the above Act and the Rules made there under is given in *Annexure – I*.

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

‘Any premises’ including the precincts thereof: -

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

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

‘Any process’ for

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

**1.1.3** In addition to Sections 2(m)(i) & 2(m)(ii) of the Factories Act, 1948, bidi & cigar units, employing 10 or more workers with the aid of power and 20 or more workers without the aid of power and registered under the Bidi & Cigar Workers (Conditions of Employment) Act, 1966 are also covered in ASI. All electricity undertakings engaged in generation, transmission and distribution of electricity, not registered with the Central Electricity Authority (CEA) are also covered under ASI.

**1.1.4** 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) in the Business Register of Establishments (BRE) as prepared by the State Governments and verified by Field Operations Division (FOD) of National Sample Survey Office (NSSO) are also considered for selection as and when such lists are shared by the State Governments.

**1.1.5** Although the scope of ASI extends to all registered manufacturing establishments in the country, defence 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 Survey is conducted annually under the statutory provisions of the Collection of Statistics Act 2008, as amended in 2017 and the Rules framed there-under in 2011. The geographical coverage of the Annual Survey of Industries 2020-21 has been extended to the entire country.

## **1.2 Unit of Enumeration**

**1.2.1** The primary unit of enumeration in the survey is a factory in the case of manufacturing industries, a workshop in the case of repair services, an undertaking or a licensee in the case of electricity, gas and water supply undertakings and an establishment in the case of bidi and cigar industries. The owner of two or more establishments located in the same state and pertaining to the same industry group, however, is 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.

## **1.3 ASI Frame**

**1.3.1** ASI frame is based on the lists of registered factories/units maintained by the Chief Inspector of Factories (CIF) in respective States and those maintained by registration authorities in respect of bidi and cigar establishments. The frame is being revised and updated annually by the Regional Offices of the Field Operations Division (FOD) of NSSO in consultation with the Chief Inspector of Factories in each State. At the time of revision, the names of the de-registered factories are removed from the ASI frame and those of the newly registered factories are added. While updating the frame, only newly registered units are added to the existing frame. In spite of regular updating of the frame, quite a number of factories selected for the survey are getting deleted during the survey owing to various reasons like non-existence, de-registration, out of coverage etc.

**1.3.2** It is to be noted that apart from the factories in operation, the ASI frame comprises of factories which are categorised 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*' as defined in paragraph 1.6.2.

## **1.4 Reference Period**

**1.4.1** Reference period for ASI 2020-21 was 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 1<sup>st</sup> April 2020 and 31<sup>st</sup> March 2021. Survey was conducted during April 2022 to November 2022. The reference period of the survey coincided with the COVID-19 pandemic period in India which witnessed nation-wide lockdown and disruption.

## 1.5 *Sample Design and Sample Allocation*

**1.5.1** As per sampling design adopted in ASI 2020-21, ASI sample comprises of 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.

**1.5.2 Census Scheme:** Census scheme consists of the following units:

- (a) All industrial units belonging to the nine less industrially developed states/ UT's viz. Arunachal Pradesh, Manipur, Meghalaya, Nagaland, Sikkim, Tripura, Mizoram, Andaman & Nicobar Islands and Ladakh.
- (b) All industrial units belonging to frame NIC = 0893 (salt extraction)
- (c) For the States/ UTs other than those mentioned in (a),
  - (i) units having 75 or more employees from six States/UTs, namely, Jammu & Kashmir, Himachal Pradesh, Rajasthan, Bihar, Chhattisgarh and Kerala;
  - (ii) units having 50 or more employees from three States/UTs, namely, Chandigarh, Delhi and Puducherry;
  - (iii) units having 100 or more employees for rest of the States/UTs, not mentioned in (i) and (ii) above and;
  - (iv) all units covered under 'Joint Return' (JR), where JR is allowed when the two or more units located in the same State/UT belonging to the same industry (3-digit level of NIC) under the same management.
- (d) After excluding the Census Sector units as defined in paragraphs (a), (b) and c) above, the strata are formed at State × District × Sector × 3-digit of NIC-2008 level. Here, '*sector*' is very broad economic activity group consisting of manufacturing, electricity generation activity and *bidi* producing activity. Thus, in short, sectors are (i) Bidi, (ii) Manufacturing and (iii) Electricity. All units belonging to the strata (i.e., formed on the basis of units in *State by District by Sector by 3-digit of NIC-08*) having less than or equal to 4 units are completely enumerated and are thus considered as 'census sector' units.

**(e) Sample scheme:**

All the remaining units in the frame are considered under **Sample Scheme**. For all the states, **strata are formed for each State x District x Sector x 3-digit NIC-2008 factories**. The units in each stratum are arranged in descending order of their number of employees. Samples are drawn as per Circular Systematic Sampling technique. An even number of units with a minimum of 4 units are selected and distributed in four sub-samples. It may be noted that all the 4 sub-samples from a particular stratum may not have equal number of units.

- (f) Out of these 4 sub-samples, two pre-assigned sub-samples are given to NSSO (FOD) and the other two-subsamples are given to State/UT for data collection.
- (g) The entire census units *plus* all the units belonging to the two sub-samples given to NSSO (FOD) are treated as the **Central Sample**.

- (h) The units belonging to the two sub-samples allocated to States/UTs are to be canvassed by the respective States/UTs. Hence, State/UT has to use the data collected by NSSO (FOD) and processed by Industrial Statistics (IS) Wing, Data Processing Division (DPD), NSSO along with the state sample data while deriving the district level estimates for their respective State/UT.
- (i) The entire census scheme units *plus* all the units belonging to the two sub-samples given to NSSO (FOD) *plus* all the units belonging to the two sub-samples given to State/UT are required for pooling of Central and State Samples.

**1.5.3** It may be noted that samples have been drawn considering an overall sampling fraction of 10% from all strata. The size of the live frame containing units with status 'open', 'Existing with fixed assets and maintaining staff but not having production' and 'Existing with fixed assets but not maintaining staff and not having production' was 2,52,218. Of these, 56,070 units belonged to the Census Sector, while the remaining 1,96,148 units formed the Sample Sector. Total sample size for ASI 2020-21 was 79,589 (56,070 Census and 23,519 Sample) units.

## **1.6** *Estimation Procedure*

**1.6.1** The procedures for estimation of the characteristics are shown in *Annexure – II*.

**1.6.2** For some selected units, it is found during the survey that the unit existed in the given location and had engaged some employees during the reference period, but could not initiate production or did not produce anything during the reference period due to various reasons, and can take up production any moment once the problems are sorted out. These units, for the purpose of the survey, are considered as existing with fixed assets and maintaining staff but not having production and similarly placed with other surveyed units (i.e., units for which the relevant information could be collected) in respect of all parameters, such as, assets, employment, etc. There are some other units which existed in the given location, but did not engage any employee during the reference period, and also, did not initiate production or produce anything during the reference period. These units, for the purpose of ASI, are considered as existing with fixed assets but not maintaining staff and not having production, during the reference period. Moreover, as a matter of practice, these units are maintained in the frame for consecutive three years and are meant for selection for survey with the consideration that these units might start production any time employing some workers. In case, however, any such unit is found to be existing with fixed assets but not maintaining staff and not having production for consecutive three years, it is assumed to be dead and marked deleted from the frame and thus, from the survey. It is important to note that in providing the estimated number of units (factories) for the reference period, these units are also similarly placed with other surveyed units, in the usual manner, in estimating the parameters presented in this report.

**1.6.3** The results presented in the publication are based on the central sample data collected by FOD, NSSO and processed by IS Wing, DPD, NSSO. Moreover, all the estimated value figures given in this publication are reported at current prices. The value figures are generally rounded off to thousand rupees or lakhs of rupees. All India figures are rounded off separately and may not tally with the sum of State/UT's figures. Similarly, all-Industry figures may not tally with the sum of individual industry figures for the same reason. Also, the industry-wise totals at lower level may not tally with the next higher level due to merging of industries carried out at different levels (Para 1.9.2).



## 1.7 *Schedule of Enquiry*

**1.7.1** The schedule for ASI 2020-21 has two parts. Part-I which is processed at IS Wing, DPD, NSSO, 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, mandays worked, absenteeism, labour turnover, man-hours worked, earning and social security benefits.

**1.7.2** A copy of the ASI 2020-21 schedule is given as *Annexure – III*. The different concepts and definitions used in ASI survey are given in *Annexure – IV*.

## 1.8 *Classification of Industries*

**1.8.1** Central Product Classification (CPC) serves as the reference classification for all product classifications within the international system of economic classifications put in place by the United Nations. It is a complete product classification covering all goods and services that follows the definition of products within the SNA framework. The National Product Classification for Manufacturing Sector (NPCMS), 2011, a 7-digit product classification developed by IS Wing, Kolkata is based on Sections 0 to 4 of CPC, Version 2.0 that relate to products of manufacturing sector. NPCMS-2011 codes have been used to record input & output items in Blocks H, I and J of ASI schedule from ASI 2010-11 to 2014-15. From ASI 2015-16 onwards, revised version of NPCMS, 2011 is used to classify input & output items collected in ASI.

**1.8.2** The NIC-1970 was followed to classify economic activities of the factories from ASI 1973-74 to ASI 1988-89. NIC-1987 had then been introduced and followed till ASI 1997-98. NIC-1998 was then followed from ASI 1998-99 to ASI 2003-04. From ASI 2004-05, a new series of classification, i.e., NIC-2004 has been introduced and the same has been used till ASI 2007-08. From ASI 2008-09, NIC-2008 has been introduced. It classifies all the factories in the ASI frame in their appropriate industry groups on the basis of the principal product manufactured. This way a unit gets classified in one and only one industry group even though it might be manufacturing products belonging to different industry groups. The estimates for different aggregates presented in this report at two or three or four digit level of industry correspond to NIC-2008 classification. **All factories pertaining to 2-digit NIC divisions 10-33, 38 & 58 and sub-classes 01632, 01640 & 08932 of NIC-2008 and also other industries (listed in Table 0) are covered in ASI 2020-21. Table 0 shows the classification of industries into broad categories for this publication.**

**Table 0: Classification of Industries into Broad Categories**

NIC - 08	Name of Broad Category
10-33, 38 and 58	Selected Manufacturing
35 and 36	Electricity, Gas, Water Supply
01: 01632(Cotton ginning, cleaning and bailing); 01640(Seed processing for propagation)	Others
08: 08932 (Salt production by evaporation of sea water or other saline waters)	
3700 (Sewerage)	
4520 (Maintenance and repair of motor vehicles)	
4540 (Sale, maintenance and repair of motorcycles and related parts & accessories)	
5210 (Warehousing and storage)	
5911 (Motion picture, video and television programme production activities)	
5912 (Motion picture, video and television programme post-production activities)	
5913 (Motion picture, video and television programme distribution activities)	
5920 (Sound recording and music publishing activities)	
7420 (Photographic activities)	
8292 (Packaging activities)	
95 (Repair of computers and personal and household goods)	
9601 (Washing and (dry-) cleaning of textile and fur products)	

## 1.9 Publications and Limitations

**1.9.1** The results presented in this publication are based on the central sample data collected by FOD, NSSO and processed by IS Wing, DPD, NSSO. The results of ASI 2020-21 are released at 2/3/4-digit level of NIC-2008 for all-India and at 2/3-digit level of NIC-2008 for States /UTs. While Volume-I contains tables related to fixed capitals and value added, employment and labour cost, fuels consumed etc., Volume-II contains NIC 3-digit by state-wise materials consumed as well as products & by-products generated by the factories. These input/output items are classified as per National Product Classification for Manufacturing Sector (NPC-MS), 2011(Revised). In addition to these, another publication viz. Summary Results for Factory Sector is prepared with a focus to give a summary view of ASI results through special tables on principal characteristics at All India and State/UTs and at 2-digit level of NIC-2008. It also gives the distribution of factories by important characteristics such as size of employment, capital, gross output and net value added.

**1.9.2** The Collection of Statistics Act, 2008 prohibits disclosure of data relating to individual factories. Therefore, if the number of factories under any industry (2-digit/3-digit level of NIC-2008) in a state is less than three, the data have been combined to a similar industry in order to conceal the identity of all such units belonging to the concerned stratum. A list of such merged industries is given in *Annexure – V*. Similarly, if number of units under any 4-digit/3-digit level of NIC at All-India level is less than three, the industry has been merged to a similar industry under the same broad industry group.

**1.9.3** All the estimates, especially for quantity and value figures for any particular item consumed and produced, are subject to Statistical Errors as these are estimated on the basis of a selected sample. The consumptions and productions are not estimated separately for those items for which the number of observations is insufficient. They have been reported under 'others' as the estimates for those items may not be efficient.

**1.9.4** As per tabulation policy it has been decided to publish the detailed information corresponding to industry codes 01, 08, 10 to 33, 38 and 58 following NIC-2008. For all other industry codes under ASI coverage, the units have been clubbed and shown under a common industry '**Other**' in different tables.

**1.9.5** Another important point to be noted is that the rates and ratios of some parameters represented in this report at the disaggregate level, particularly for the smaller States and UTs cross classified by 2/3/4-digit level of industry classification, are subject to the limitation of small sample sizes and thus, the user may cautiously interpret the changes of these parameters over time.

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

- a. Inclusion of new 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 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 compared to its performance in the previous year due to various reasons.

## 2. कारखानों की संख्या की प्राक्कलन प्रक्रियाएँ

2.1 उ.वा.स. में स्टेटस कोड '1', '2' और '3' इकाइयों अर्थात, क्रमशः 'खुला', 'अचल आस्तियों एवं मेंटनिंग स्टाफ सहित विद्यमान परंतु उत्पादन रहित', 'अचल आस्तियों सहित विद्यमान परंतु मेंटनिंग स्टाफ व उत्पादन रहित' वाले फ्रेम से प्रतिदर्श निकाले जाते हैं, - इसका कारण यह है कि इन्हें इस कार्यक्षेत्र (डोमेन) में जीवित इकाई (लाइव यूनिट) समझा जाता है और इनमें से कुछ का संदर्भ अवधि के दौरान प्रचालन किया गया है और कुछ अन्य अतीत में निरन्तर उत्पादन कर रहे थे परंतु किन्हीं निश्चित कारणों से उन्होंने संदर्भ अवधि के दौरान कुछ भी प्रचालन/उत्पादन नहीं किया है, परंतु वे सभी आस्तियों आदि के साथ मौजूद हैं और किसी भी समय उत्पादन प्रारंभ कर सकते हैं। इन सभी मामलों में यदि इकाइयों के लिए महत्वपूर्ण सूचना संग्रहित की जाती है, तो इन इकाइयों को 'सर्वेक्षित' समझा जाता है, अन्यथा इन्हें 'अप्रतिवेदित' या 'कैजुयल्टी' माना जाता है। सारणी 1 गुणकों की गणना में 'इकाइयों की स्थिति' के विभिन्न मामलों दर्शाता है।

2.2 विवरण 0क उ.वा.स. 2020-21 के (i) फ्रेम में (ii) चयनित और (iii) सर्वेक्षित राज्य/संघ राज्य-क्षेत्रवार कारखानों की संख्या दर्शाता है। इस सारणी में 'सर्वेक्षित' मामलों में उपर वर्णित सभी 'कैजुयल्टी' मामले शामिल नहीं हैं। विवरण 0ख एवं 0ग उ.वा.स. 2020-21 में सर्वेक्षण की स्थिति के अनुसार क्रमशः चयनित कारखानों की संख्या का पूर्ण और प्रतिशत वितरण दर्शाता है।

2.3 विवरण 1क वर्ष 2020-21 में सर्वेक्षण की स्थिति के अनुसार प्राक्कलित 'कारखानों की संख्या' (पूर्ण रूप में) दर्शाता है और विवरण 2क प्रत्येक राज्य/संघ-राज्य क्षेत्र के लिए सर्वेक्षण की स्थिति अनुसार 'चालू कारखानों की संख्या' का प्राक्कलन (पूर्ण रूप में) पृथक रूप से दर्शाता है। इस प्रकाशन में प्रस्तुत सभी दरें और अनुपात प्रत्येक 'चालू कारखानों' से प्राप्त किए गए हैं। विवरण 1ख तथा 2ख में संबन्धित प्रतिशत का वितरण दिया गया है।

2.4 विवरण 0ख तथा 0ग में यह नोट किया जाए कि सर्वेक्षण के दौरान, लगभग 7,373 कारखानों (9.26%) ने अपना स्टेटस कोड 4 प्रतिवेदित किया है। यह इस बात का संकेत देता है कि इन इकाइयों को 'इकाई का अस्तित्व न होने और मालिक का पता न लग पाना' या 'रजिष्ट्रेशन रद्द होने या विस्तार-क्षेत्र के बाहर होने के कारण इकाई का नाम हटा दिया जाना' आदि कारणों से फ्रेम में नहीं होना चाहिए था, और 'वेट' (गुणक) की गणना करने में ऐसी इकाइयों को 'जीरो' मामले के रूप में माना जाता है। 2,50,454 प्राक्कलित 'कारखानों की संख्या' में से लगभग 1,99,173 (79.53%) कारखानों का स्टेटस कोड 1, 2 व 3 है और आदर्श रूप से केवल इन्हें ही वर्ष 2020-21 की अवधि के दौरान फ्रेम में मौजूद होना चाहिए था। इसके अतिरिक्त, केवल 1,223 कारखानों (0.49%) के संबंध में, जिन्होंने वर्तमान वर्ष में कोई डाटा नहीं दिया है (नन-रेस्पॉस), डाटा पिछले वर्ष से अध्यारोपित किया गया है। स्टेटस कोड 1, 2 व 3 वाले इकाइयों और पिछले वर्ष से अध्यारोपित की जाने वाली इकाइयों, को 'चालू इकाई' समझा जाता है और उनका प्रयोग उ.वा.स. 2020-21 पर आधारित रिपोर्टों में दिये गए सभी प्राक्कलनों, दरों और अनुपातों की गणना में होता है, जब तक कि अन्यथा उल्लिखित न हो।

### सारणी 1 : सर्वेक्षित मामलों, जीरो मामलों और कैजुअल्टी मामलों का निरूपण

कोड	गुणक की गणना का निरूपण
1, 2, 3	यदि केवल इकाई के लिए संगत महत्वपूर्ण सूचना उपलब्ध हो तो 'खुला' तथा 'चालू' मामला समझा जाता है। अन्यथा 'नन- रेस्पॉस (कैजुयल्टी)' माना जाता है।
4	सभी मापदंडों के लिए 'जीरो केस' माना जाता है।
5, 7, 8	'नन- रेस्पॉस (कैजुयल्टी)' माना जाता है।

## **2. Procedures for Estimating the Number of Factories**

**2.1** In ASI, samples are drawn from the frame containing units with status codes '1', '2' and '3', that is, 'Open', 'Existing with fixed assets and maintaining staff but not having production' and 'Existing with fixed assets but not maintaining staff and not having production' units respectively – the reason being that these are considered as the live units in the domain and some have operated during the reference period, and some others have continued to produce in the past, but for certain reasons did not operate/produce anything during the reference period but exist with all assets, etc and may start producing any moment. In all these cases, the units are considered as 'surveyed' if essential information for the unit is collected, else they are treated as 'Non-reported' or 'casualty'. Table 1 gives the treatment of various cases of 'status of units' in the calculation of multiplier.

**2.2** Statement 0A gives the State/UT-wise number of factories (i) in Frame, (ii) selected and (iii) surveyed in ASI 2020-21. It may be noted in this table that the 'surveyed' cases exclude all the casualty cases as explained above. Statement 0B and 0C respectively give the absolute and percentage distribution of the number of selected factories by the status of the survey for ASI 2020-21.

**2.3** Statement 1A gives the estimated 'number of factories' (in absolute terms) in 2020-21 by the status of the survey, and Statement 2A displays the estimated 'number of factories in operation' (in absolute terms) by the status of the survey separately for each State/UT. It may be noted that all the rates and ratios, presented in this publication, are derived per 'factories in operation'. The respective percentage distributions are given in Statements 1B and 2B.

**2.4** It may be seen from Statements 0B and 0C that during the survey, 7,373 factories (9.26%) reported their status code 4. This indicates that these units should not have been present in the frame for the reasons like 'non-existence of unit and owner not traceable' or 'unit deleted due to de-registration or out of coverage', etc., and such units are treated as 'zero' cases in calculating the weights (multipliers). Of the estimated 2,50,454 'number of factories', about 1,99,173 factories (79.53%) are with status codes 1, 2 and 3 and ideally, only they should have been present in the frame during the period 2020-21. Further, data could be imputed from last year in respect of only 1,223 factories (0.49%), which did not provide any data in the current year (Non-response). Units with status codes 1, 2 and 3 and those imputed from last year are considered as 'operating units' and used in calculating all estimates, rates and ratios in the reports based on ASI 2020-21 data unless otherwise mentioned.

**Table 1: Treatment for Surveyed Cases, Zero Cases and Casualty Cases**

<i>Code</i>	<i>Treatment in multiplier calculation</i>
1, 2, 3	Considered as 'open' case and in operation only if essential information relevant for the unit are available. Else, treated as Non-Response (casualty).
4	Treated as 'zero-case' for all parameters.
5,7,8	Treated as Non-Response (casualty).

**Statement 0A: Number of Factories (i) in Frame , (ii) Selected and (iii) Surveyed**

<b>State/UT</b>	<b>No. of Factories</b>		
	<b>in Frame</b>	<b>Selected</b>	<b>Surveyed*</b>
A&N Islands	14	14	13
Andhra Pradesh	17008	3330	3178
Arunachal Pradesh	115	115	109
Assam	5433	1618	1425
Bihar	3393	1451	1405
Chandigarh	250	120	118
Chattisgarh	4165	1223	1190
Dadra & N Haveli & Daman & Diu	3012	1041	1002
Delhi	3193	1262	1234
Goa	724	378	365
Gujarat	29619	7870	7612
Haryana	11738	4170	4032
Himachal Pradesh	2697	984	939
Jammu and Kashmir	1015	505	499
Jharkhand	2890	893	837
Karnataka	14313	5131	4993
Kerala	7925	2592	2539
Ladakh	2	2	2
Madhya Pradesh	5010	2254	2108
Maharashtra	26311	8334	7876
Manipur	232	232	204
Meghalaya	205	205	163
Mizoram	209	209	206
Nagaland	192	192	192
Odisha	3301	1235	1150
Puducherry	779	375	366
Punjab	13114	2878	2810
Rajasthan	9977	3308	3178
Sikkim	84	84	84
Tamil Nadu	39551	13365	13082
Telangana	15417	3554	3365
Tripura	694	694	680
Uttar Pradesh	16641	5659	5467
Uttarakhand	3026	1267	1210
West Bengal	9969	3045	2819
<b>All India</b>	<b>252218</b>	<b>79589</b>	<b>76452</b>

\* Surveyed cases exclude all the Non-reporting (Casualty) Cases

Statement 0B: Distribution of Number of Selected Factories by Status of Survey

State/UT	Status Code							Total
	Operating Units			'Zero' Units	Non-reporting (Casualty) Units			
	1	2	3	4	5	7	8	
A&N Islands	12	0	0	1	0	1	0	14
Andhra Pradesh	2431	169	58	520	64	53	35	3330
Arunachal Pradesh	70	32	6	1	0	1	5	115
Assam	1179	121	28	97	92	59	42	1618
Bihar	1109	129	47	120	32	8	6	1451
Chandigarh	100	4	0	14	2	0	0	120
Chattisgarh	1072	30	31	57	19	13	1	1223
Dadra & N Haveli & Daman & Diu	867	6	20	109	1	5	33	1041
Delhi	1008	47	18	161	8	7	13	1262
Goa	338	10	6	11	5	2	6	378
Gujarat	6620	70	101	821	30	25	203	7870
Haryana	3428	32	13	559	54	45	39	4170
Himachal Pradesh	816	13	7	103	35	2	8	984
Jammu and Kashmir	410	28	37	24	1	4	1	505
Jharkhand	672	36	25	104	27	24	5	893
Karnataka	4387	116	11	479	36	29	73	5131
Kerala	2167	221	25	126	19	19	15	2592
Ladakh	2	0	0	0	0	0	0	2
Madhya Pradesh	1879	90	24	115	34	34	78	2254
Maharashtra	6802	104	101	869	107	70	281	8334
Manipur	175	23	4	2	1	26	1	232
Meghalaya	148	4	11	0	21	21	0	205
Mizoram	164	36	5	1	2	0	1	209
Nagaland	161	10	17	4	0	0	0	192
Odisha	966	59	58	67	25	29	31	1235
Puducherry	305	21	15	25	1	2	6	375
Punjab	2430	48	35	297	32	6	30	2878
Rajasthan	2876	64	56	182	30	44	56	3308
Sikkim	79	1	2	2	0	0	0	84
Tamil Nadu	11081	776	78	1147	84	47	152	13365
Telangana	2463	37	311	554	4	48	137	3554
Tripura	361	240	55	24	2	11	1	694
Uttar Pradesh	4794	81	57	535	94	65	33	5659
Uttarakhand	1098	11	1	100	44	5	8	1267
West Bengal	2557	64	56	142	147	8	71	3045
<b>All India</b>	<b>65027</b>	<b>2733</b>	<b>1319</b>	<b>7373</b>	<b>1053</b>	<b>713</b>	<b>1371</b>	<b>79589</b>

Statement 0C: Percentage Distribution of Number of Selected Factories by Status of Survey

State/UT	Status Code							Total
	Operating Units			'Zero' Units	Non-reporting (Casualty) Units			
	1	2	3	4	5	7	8	
A&N Islands	85.71	0.00	0.00	7.14	0.00	7.14	0.00	100.00
Andhra Pradesh	73.00	5.08	1.74	15.62	1.92	1.59	1.05	100.00
Arunachal Pradesh	60.87	27.83	5.22	0.87	0.00	0.87	4.35	100.00
Assam	72.87	7.48	1.73	6.00	5.69	3.65	2.60	100.00
Bihar	76.43	8.89	3.24	8.27	2.21	0.55	0.41	100.00
Chandigarh	83.33	3.33	0.00	11.67	1.67	0.00	0.00	100.00
Chattisgarh	87.65	2.45	2.53	4.66	1.55	1.06	0.08	100.00
Dadra & N Haveli & Daman & Diu	83.29	0.58	1.92	10.47	0.10	0.48	3.17	100.00
Delhi	79.87	3.72	1.43	12.76	0.63	0.55	1.03	100.00
Goa	89.42	2.65	1.59	2.91	1.32	0.53	1.59	100.00
Gujarat	84.12	0.89	1.28	10.43	0.38	0.32	2.58	100.00
Haryana	82.21	0.77	0.31	13.41	1.29	1.08	0.94	100.00
Himachal Pradesh	82.93	1.32	0.71	10.47	3.56	0.20	0.81	100.00
Jammu and Kashmir	81.19	5.54	7.33	4.75	0.20	0.79	0.20	100.00
Jharkhand	75.25	4.03	2.80	11.65	3.02	2.69	0.56	100.00
Karnataka	85.50	2.26	0.21	9.34	0.70	0.57	1.42	100.00
Kerala	83.60	8.53	0.96	4.86	0.73	0.73	0.58	100.00
Ladakh	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Madhya Pradesh	83.36	3.99	1.06	5.10	1.51	1.51	3.46	100.00
Maharashtra	81.62	1.25	1.21	10.43	1.28	0.84	3.37	100.00
Manipur	75.43	9.91	1.72	0.86	0.43	11.21	0.43	100.00
Meghalaya	72.20	1.95	5.37	0.00	10.24	10.24	0.00	100.00
Mizoram	78.47	17.22	2.39	0.48	0.96	0.00	0.48	100.00
Nagaland	83.85	5.21	8.85	2.08	0.00	0.00	0.00	100.00
Odisha	78.22	4.78	4.70	5.43	2.02	2.35	2.51	100.00
Puducherry	81.33	5.60	4.00	6.67	0.27	0.53	1.60	100.00
Punjab	84.43	1.67	1.22	10.32	1.11	0.21	1.04	100.00
Rajasthan	86.94	1.93	1.69	5.50	0.91	1.33	1.69	100.00
Sikkim	94.05	1.19	2.38	2.38	0.00	0.00	0.00	100.00
Tamil Nadu	82.91	5.81	0.58	8.58	0.63	0.35	1.14	100.00
Telangana	69.30	1.04	8.75	15.59	0.11	1.35	3.85	100.00
Tripura	52.02	34.58	7.93	3.46	0.29	1.59	0.14	100.00
Uttar Pradesh	84.71	1.43	1.01	9.45	1.66	1.15	0.58	100.00
Uttarakhand	86.66	0.87	0.08	7.89	3.47	0.39	0.63	100.00
West Bengal	83.97	2.10	1.84	4.66	4.83	0.26	2.33	100.00
<b>All India</b>	<b>81.70</b>	<b>3.43</b>	<b>1.66</b>	<b>9.26</b>	<b>1.32</b>	<b>0.90</b>	<b>1.72</b>	<b>100.00</b>



Statement 1A: Distribution of Estimated Number of Factories by Status of Survey

State/UT	Status Code							Total
	Treated as Operating Units						Zero Units	
	Current Year Informaion			Data imputed from Previous Year				
	1	2	3	5*	7*	8*	4	
A&N Islands	12	0	0	0	0	0	1	13
Andhra Pradesh	11017	1142	365	4	1	14	4393	16937
Arunachal Pradesh	70	32	6	0	0	0	1	109
Assam	3999	563	100	8	0	19	666	5354
Bihar	2097	532	139	14	0	3	583	3367
Chandigarh	186	7	0	2	0	0	54	248
Chattisgarh	3525	75	136	11	0	6	390	4143
Dadra & N Haveli & Daman & Diu	2029	15	57	5	0	15	875	2995
Delhi	2210	133	59	2	2	4	764	3174
Goa	643	26	15	0	0	6	31	720
Gujarat	22251	318	619	33	0	155	6121	29497
Haryana	8458	157	72	14	0	37	2901	11638
Himachal Pradesh	1894	42	7	45	0	3	687	2677
Jammu and Kashmir	758	60	77	0	0	4	110	1009
Jharkhand	1773	235	145	5	0	7	697	2862
Karnataka	10295	538	44	24	10	37	3287	14235
Kerala	6220	806	72	8	0	8	773	7886
Ladakh	2	0	0	0	0	0	0	2
Madhya Pradesh	4100	146	33	29	0	28	579	4914
Maharashtra	18781	548	493	25	14	157	6042	26059
Manipur	175	23	4	0	0	0	2	204
Meghalaya	143	4	11	5	0	0	0	163
Mizoram	159	36	5	3	1	1	1	206
Nagaland	161	10	17	0	0	0	4	192
Odisha	2441	190	263	4	0	3	344	3246
Puducherry	591	28	22	7	0	6	123	776
Punjab	10347	235	113	5	0	30	2359	13089
Rajasthan	8230	269	251	4	0	18	1114	9886
Sikkim	79	1	2	0	0	0	2	84
Tamil Nadu	27271	3833	311	15	8	107	7847	39393
Telangana	8583	163	2174	0	0	93	4329	15342
Tripura	361	240	55	0	0	0	24	680
Uttar Pradesh	12689	241	140	26	0	16	3391	16503
Uttarakhand	2339	23	1	47	0	1	577	2988
West Bengal	8238	289	280	30	2	35	991	9863
<b>All India</b>	<b>182127</b>	<b>10959</b>	<b>6087</b>	<b>372</b>	<b>37</b>	<b>814</b>	<b>50059</b>	<b>250454</b>

\* Units with survey status codes 5, 7 & 8 for which data have been borrowed from the previous year.

Statement 1B: Percentage Distribution of Estimated Number of Factories by Status of Survey

State/UT	Status Code							Total
	Treated as Operating Units						Zero Units	
	Current Year Informaion			Data imputed from Previous Year				
	1	2	3	5*	7*	8*	4	
A&N Islands	92.31	0.00	0.00	0.00	0.00	0.00	7.69	100.00
Andhra Pradesh	65.05	6.74	2.16	0.02	0.01	0.08	25.94	100.00
Arunachal Pradesh	64.22	29.36	5.50	0.00	0.00	0.00	0.92	100.00
Assam	74.69	10.52	1.87	0.15	0.00	0.35	12.44	100.00
Bihar	62.28	15.80	4.13	0.42	0.00	0.09	17.32	100.00
Chandigarh	75.00	2.82	0.00	0.81	0.00	0.00	21.77	100.00
Chattisgarh	85.08	1.81	3.28	0.27	0.00	0.14	9.41	100.00
Dadra & N Haveli & Daman & Diu	67.75	0.50	1.90	0.17	0.00	0.50	29.22	100.00
Delhi	69.63	4.19	1.86	0.06	0.06	0.13	24.07	100.00
Goa	89.31	3.61	2.08	0.00	0.00	0.83	4.31	100.00
Gujarat	75.43	1.08	2.10	0.11	0.00	0.53	20.75	100.00
Haryana	72.68	1.35	0.62	0.12	0.00	0.32	24.93	100.00
Himachal Pradesh	70.75	1.57	0.26	1.68	0.00	0.11	25.66	100.00
Jammu and Kashmir	75.12	5.95	7.63	0.00	0.00	0.40	10.90	100.00
Jharkhand	61.95	8.21	5.07	0.17	0.00	0.24	24.35	100.00
Karnataka	72.32	3.78	0.31	0.17	0.07	0.26	23.09	100.00
Kerala	78.87	10.22	0.91	0.10	0.00	0.10	9.80	100.00
Ladakh	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Madhya Pradesh	83.44	2.97	0.67	0.59	0.00	0.57	11.78	100.00
Maharashtra	72.07	2.10	1.89	0.10	0.05	0.60	23.19	100.00
Manipur	85.78	11.27	1.96	0.00	0.00	0.00	0.98	100.00
Meghalaya	87.73	2.45	6.75	3.07	0.00	0.00	0.00	100.00
Mizoram	77.18	17.48	2.43	1.46	0.49	0.49	0.49	100.00
Nagaland	83.85	5.21	8.85	0.00	0.00	0.00	2.08	100.00
Odisha	75.20	5.85	8.10	0.12	0.00	0.09	10.60	100.00
Puducherry	76.16	3.61	2.84	0.90	0.00	0.77	15.85	100.00
Punjab	79.05	1.80	0.86	0.04	0.00	0.23	18.02	100.00
Rajasthan	83.25	2.72	2.54	0.04	0.00	0.18	11.27	100.00
Sikkim	94.05	1.19	2.38	0.00	0.00	0.00	2.38	100.00
Tamil Nadu	69.23	9.73	0.79	0.04	0.02	0.27	19.92	100.00
Telangana	55.94	1.06	14.17	0.00	0.00	0.61	28.22	100.00
Tripura	53.09	35.29	8.09	0.00	0.00	0.00	3.53	100.00
Uttar Pradesh	76.89	1.46	0.85	0.16	0.00	0.10	20.55	100.00
Uttarakhand	78.28	0.77	0.03	1.57	0.00	0.03	19.31	100.00
West Bengal	83.52	2.93	2.84	0.30	0.02	0.35	10.05	100.00
<b>All India</b>	<b>72.72</b>	<b>4.38</b>	<b>2.43</b>	<b>0.15</b>	<b>0.01</b>	<b>0.33</b>	<b>19.99</b>	<b>100.00</b>

\* Units with survey status codes 5, 7 & 8 for which data have been borrowed from the previous year.

Statement 2A: Distribution of Estimated Number of Factories in Operation by Status of Survey

State/UT	Status Code						Total
	Treated as Operating Units						
	Current Year Informaion			Data borrowed from Previous Year			
	1	2	3	5*	7*	8*	
A&N Islands	12	0	0	0	0	0	12
Andhra Pradesh	11017	1142	365	4	1	14	12544
Arunachal Pradesh	70	32	6	0	0	0	108
Assam	3999	563	100	8	0	19	4688
Bihar	2097	532	139	14	0	3	2784
Chandigarh	186	7	0	2	0	0	195
Chattisgarh	3525	75	136	11	0	6	3753
Dadra & N Haveli & Daman & Diu	2029	15	57	5	0	15	2120
Delhi	2210	133	59	2	2	4	2410
Goa	643	26	15	0	0	6	690
Gujarat	22251	318	619	33	0	155	23376
Haryana	8458	157	72	14	0	37	8737
Himachal Pradesh	1894	42	7	45	0	3	1990
Jammu and Kashmir	758	60	77	0	0	4	899
Jharkhand	1773	235	145	5	0	7	2165
Karnataka	10295	538	44	24	10	37	10948
Kerala	6220	806	72	8	0	8	7113
Ladakh	2	0	0	0	0	0	2
Madhya Pradesh	4100	146	33	29	0	28	4335
Maharashtra	18781	548	493	25	14	157	20017
Manipur	175	23	4	0	0	0	202
Meghalaya	143	4	11	5	0	0	163
Mizoram	159	36	5	3	1	1	205
Nagaland	161	10	17	0	0	0	188
Odisha	2441	190	263	4	0	3	2902
Puducherry	591	28	22	7	0	6	653
Punjab	10347	235	113	5	0	30	10730
Rajasthan	8230	269	251	4	0	18	8772
Sikkim	79	1	2	0	0	0	82
Tamil Nadu	27271	3833	311	15	8	107	31546
Telangana	8583	163	2174	0	0	93	11013
Tripura	361	240	55	0	0	0	656
Uttar Pradesh	12689	241	140	26	0	16	13112
Uttarakhand	2339	23	1	47	0	1	2411
West Bengal	8238	289	280	30	2	35	8872
<b>All India</b>	<b>182127</b>	<b>10959</b>	<b>6087</b>	<b>372</b>	<b>37</b>	<b>814</b>	<b>200395</b>

\* Units with survey status codes 5, 7 & 8 for which data have been borrowed from the previous year.

Statement 2B:Percentage Distribution of Estimated Number of Factories in Operation by Status of Survey

State/UT	Status Code						Total
	Treated as Operating Units						
	Current Year Informaion			Data borrowed from Previous Year			
	1	2	3	5*	7*	8*	
A&N Islands	100.00	0.00	0.00	0.00	0.00	0.00	100.00
Andhra Pradesh	87.83	9.10	2.91	0.03	0.01	0.11	100.00
Arunachal Pradesh	64.81	29.63	5.56	0.00	0.00	0.00	100.00
Assam	85.30	12.01	2.13	0.17	0.00	0.41	100.00
Bihar	75.32	19.11	4.99	0.50	0.00	0.11	100.00
Chandigarh	95.38	3.59	0.00	1.03	0.00	0.00	100.00
Chattisgarh	93.92	2.00	3.62	0.29	0.00	0.16	100.00
Dadra & N Haveli & Daman & Diu	95.71	0.71	2.69	0.24	0.00	0.71	100.00
Delhi	91.70	5.52	2.45	0.08	0.08	0.17	100.00
Goa	93.19	3.77	2.17	0.00	0.00	0.87	100.00
Gujarat	95.19	1.36	2.65	0.14	0.00	0.66	100.00
Haryana	96.81	1.80	0.82	0.16	0.00	0.42	100.00
Himachal Pradesh	95.18	2.11	0.35	2.26	0.00	0.15	100.00
Jammu and Kashmir	84.32	6.67	8.57	0.00	0.00	0.44	100.00
Jharkhand	81.89	10.85	6.70	0.23	0.00	0.32	100.00
Karnataka	94.04	4.91	0.40	0.22	0.09	0.34	100.00
Kerala	87.45	11.33	1.01	0.11	0.00	0.11	100.00
Ladakh	100.00	0.00	0.00	0.00	0.00	0.00	100.00
Madhya Pradesh	94.58	3.37	0.76	0.67	0.00	0.65	100.00
Maharashtra	93.83	2.74	2.46	0.12	0.07	0.78	100.00
Manipur	86.63	11.39	1.98	0.00	0.00	0.00	100.00
Meghalaya	87.73	2.45	6.75	3.07	0.00	0.00	100.00
Mizoram	77.56	17.56	2.44	1.46	0.49	0.49	100.00
Nagaland	85.64	5.32	9.04	0.00	0.00	0.00	100.00
Odisha	84.11	6.55	9.06	0.14	0.00	0.10	100.00
Puducherry	90.51	4.29	3.37	1.07	0.00	0.92	100.00
Punjab	96.43	2.19	1.05	0.05	0.00	0.28	100.00
Rajasthan	93.82	3.07	2.86	0.05	0.00	0.21	100.00
Sikkim	96.34	1.22	2.44	0.00	0.00	0.00	100.00
Tamil Nadu	86.45	12.15	0.99	0.05	0.03	0.34	100.00
Telangana	77.94	1.48	19.74	0.00	0.00	0.84	100.00
Tripura	55.03	36.59	8.38	0.00	0.00	0.00	100.00
Uttar Pradesh	96.77	1.84	1.07	0.20	0.00	0.12	100.00
Uttarakhand	97.01	0.95	0.04	1.95	0.00	0.04	100.00
West Bengal	92.85	3.26	3.16	0.34	0.02	0.39	100.00
<b>All India</b>	<b>90.88</b>	<b>5.47</b>	<b>3.04</b>	<b>0.19</b>	<b>0.02</b>	<b>0.41</b>	<b>100.00</b>

\* Units with survey status codes 5, 7 & 8 for which data have been borrowed from the previous year.

### 3. Principal Characteristics - All India Level

#### 3.1 Principal Aggregates – All India

**3.1.1** Statement 3A presents the estimates for principal characteristics for the whole factory sector at the all-India level for the year 2020-21 along with respective values in the last four years. Statement 3B displays the concerned annual growth rates for those principal characteristics.

**3.1.2** The statement 3A shows that in 2020-21, there have been 2,00,395 registered operating factories in all States and Union Territories except Union Territory of Lakshadweep. This is found to be higher by 0.89 percent than that of last year. These factories together have a total stock of fixed capital worth ₹ 36,94,38,562 Lakhs and invested capital ₹ 51,91,14,310 Lakhs. These are higher by 1.46 and 4.37 percent, respectively compared to those estimated in ASI 2019-20. These factories have provided gainful employment to 1,60,89,700 persons and distributed ₹ 4,83,89,031 Lakhs as emoluments to employees. Those factories have consumed inputs both industrial and non-industrial in nature, worth ₹ 71,92,06,541 Lakhs to produce ₹ 88,09,21,387 Lakhs, worth of goods and services valued at ex-factory prices and contributed ₹ 13,35,78,860 Lakhs by way of net value added through manufacturing to the national income.

**3.1.3** Although the input and output have shown decline of 4.07% and 1.94% respectively, the net value added grew by 10.15% and net income grew by 13.21% in ASI 2020-21 as compared to those estimated as per the previous ASI. This is because a sharp fall in input has more than offset an output contraction resulting in an increase in gross and net value added and also an increase in net profit and net income. This can be seen from the waterfall chart (given at figure 4a) showing the change in absolute value of some related parameters from ASI 2019-20 to 2020-21. Similar chart showing change in the same set of parameters from 2018-19 to 2019-20 is given in figure 4b to give a better idea of the movements (change) of these parameters over time.

#### 3.2 Structural Ratios and Technical Coefficients

**3.2.1** A few structural ratios and technical coefficients derived from the macro level estimates of principal characteristics for the current and the preceding four years have been given in Statement 4. It may be noted that the ratios are subject to certain limitations due to changes in prices of commodities from year to year. Some of these ratios particularly value-based characteristics are not strictly comparable over time.

**3.2.2** Statement 4 reveals that the average size of the factory, measured in terms of value-based characteristics, like, fixed capital by manufacture has maintained a steady upward trend over years. As stated in the preceding paragraph, the increase in the fixed capital may be the combined result of the increase in physical output as well as the increase in prices. Furthermore, the Gross Output per factory in Operation has exhibited a decline in the current year, whereas the Net Value Added per factory in Operation has shown growth. This contrasts with the figures from the previous year, where both Gross Output and Net Value Added per factory in Operation had declined. This could be due to a greater fall in input cost compared to the fall in output, as well as a marginal increase in the number of operational factories from the previous year. The survey results revealed that in 2020-21, a factory with an average investment of ₹ 1,844 Lakhs in fixed capital has provided gainful employment to 80 persons, produced goods and services at ex-factory prices worth ₹ 4,396 Lakhs and contributed ₹ 667 Lakhs by way of net value added through manufacturing to the national income. However, taking an employee as a unit of measurement, the survey reveals that an employee, in the organized manufacturing sector during 2020-21 has, on average, produced an output of ₹ 54,75,064 and contributed ₹ 8,30,213 to the national income by way of net value added through manufacturing. The corresponding averages in the preceding year are respectively ₹ 54,03,720 and ₹ 7,29,443.

**3.2.3** 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 2.77 in 2020-21 as compared to the previous year. However, the fixed capital required to produce one unit of ex-factory output has increased to 0.42. The level of efficiency, measured by the ratio of the net value added to gross output has increased to 0.15. The GVA to fixed capital ratio has increased to 0.44 from 0.41 and the output to input ratio has increased to 1.22.

**Figure 1: Number of Workers and Total Persons Engaged: All-India**

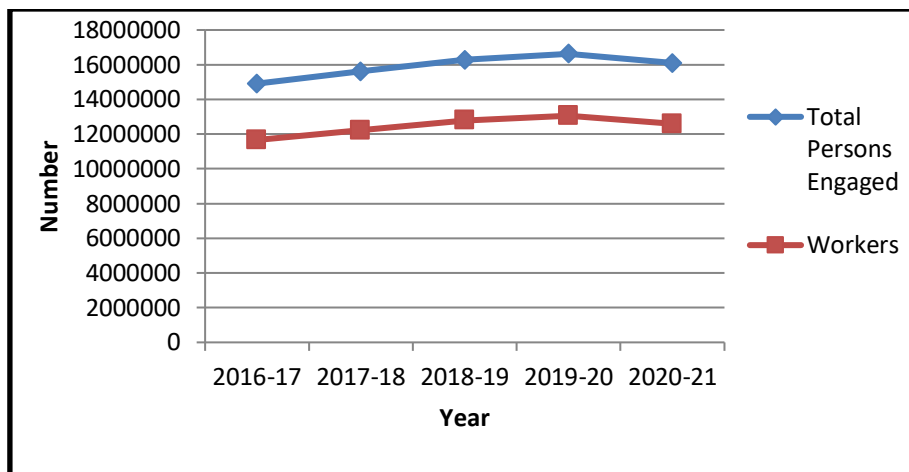


Figure 1 shows that these two parameters behaved in similar manner in the last five years i.e. 2016-17 to 2020-21.

**Figure 2: Technical coefficients: All –India**

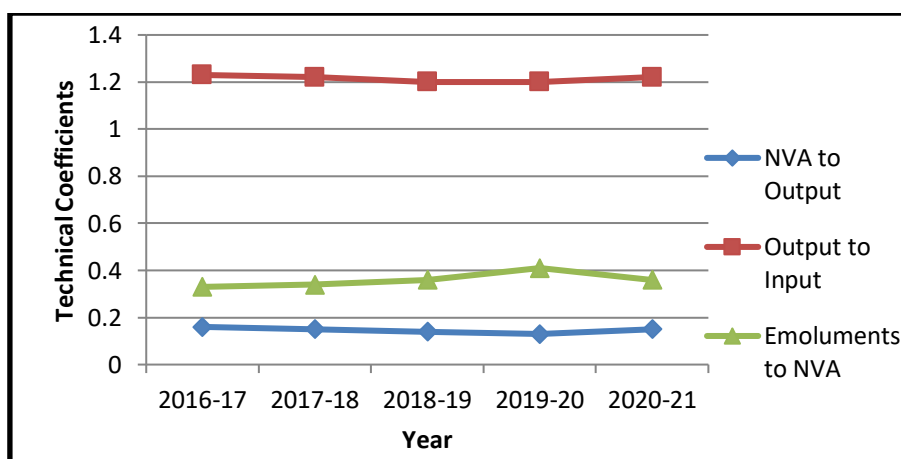


Figure 2 presents some technical coefficients for the last five years i.e. 2016-17 to 2020-21. Here the technical coefficients are estimated on the basis of NVA to output, output to input and emoluments to NVA. From the above figure, it is found that output to input ratio, indicating the industrial efficiency has almost been static over the past few years with a marginal increase in 2020-21 in comparison to previous year. Again, NVA to Output and Emoluments to NVA have also remained stable over years.

**Figure 3: Annual Growth Rates (%) of Selected Characteristics for Different Years over Previous Year: All –India**

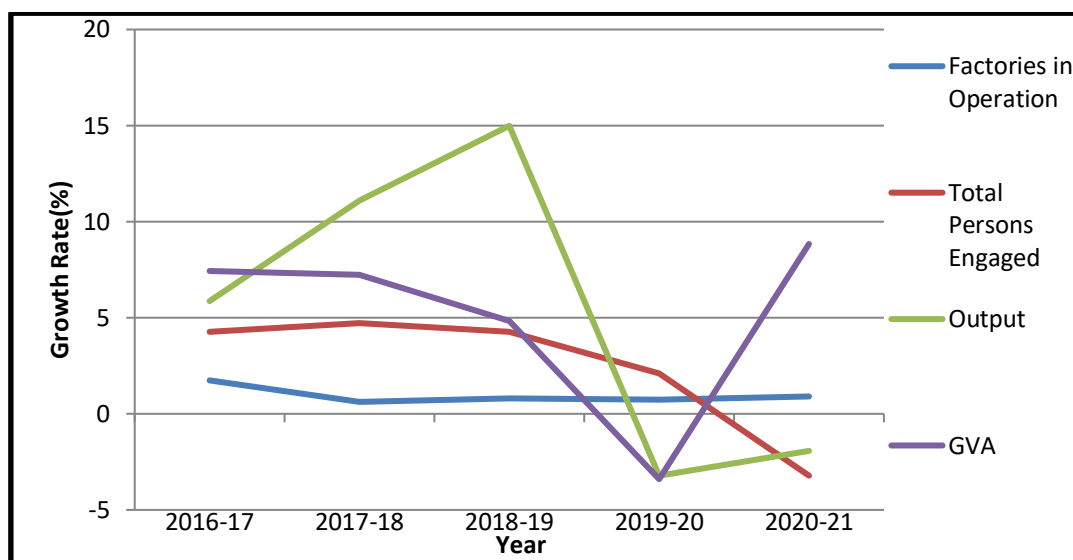
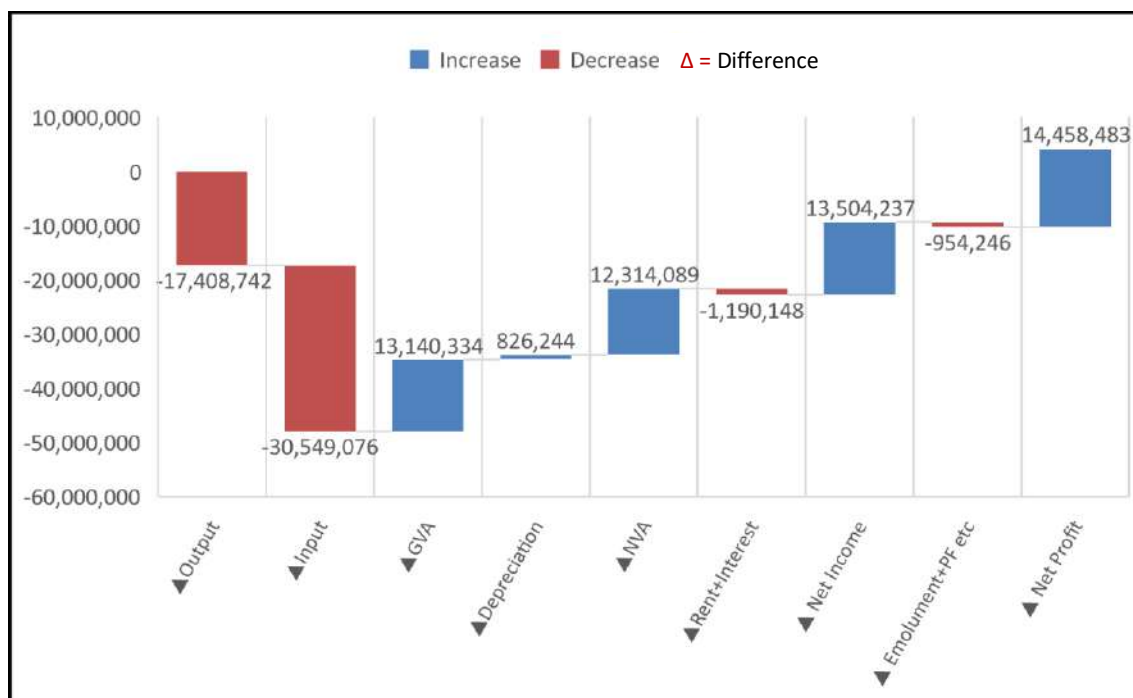
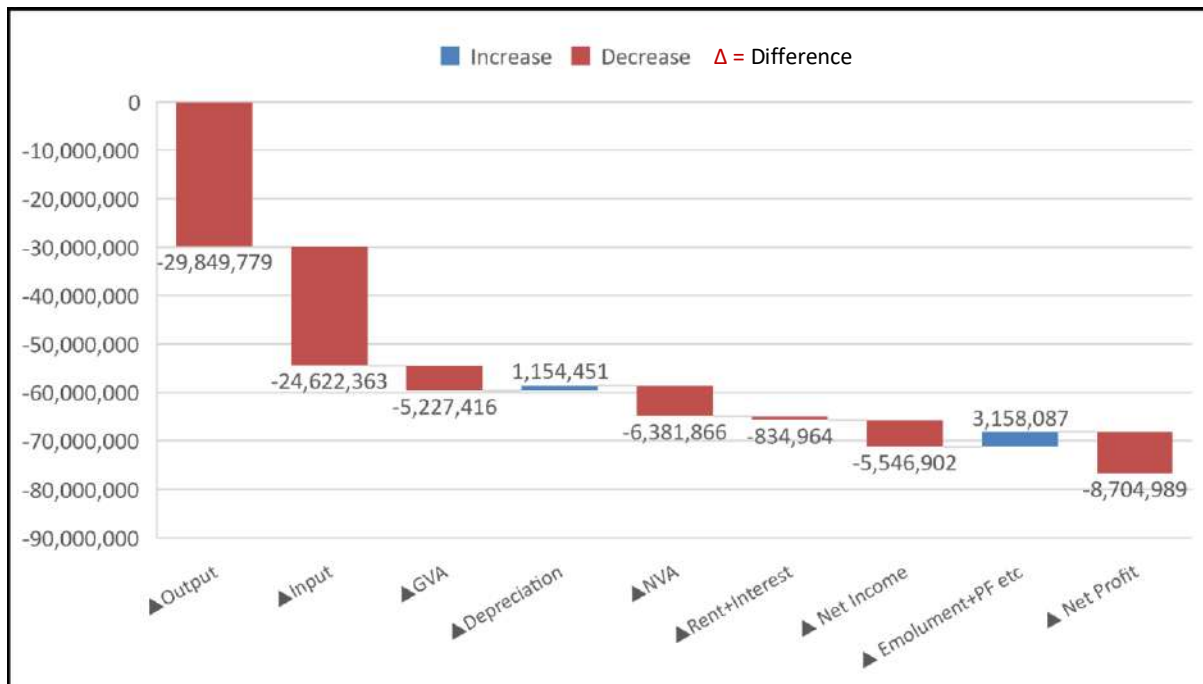


Figure 3 depicts the annual growth rates for Factories in Operation, Total Persons Engaged, Output and GVA for the last five years. The growth rates of Factories in Operation & GVA have increased whereas the growth rates of Total Persons Engaged & Output have declined in 2020-21 as compared to last year in the organized factory sector.

**Figure 4a: Waterfall chart showing change in absolute value (in ₹ Lakh) in a few important parameters from 2019-20 to 2020-21: All –India**



**Figure 4b: Waterfall chart showing change in absolute value (in ₹ Lakh) in a few important parameters from 2018-19 to 2019-20: All –India**





## Statement 3A: Value of Principal Characteristics

Characteristics	Unit	ASI Year				
		2016-17	2017-18	2018-19	2019-20	2020-21
Factories in Operation	Number	194380	195584	197145	198628	200395
Fixed Capital	₹ Lakhs	319038649	328588927	346606975	364135165	369438562
Invested Capital	₹ Lakhs	429625490	446094480	477726474	497362352	519114310
Workers	Number	11662947	12224422	12798588	13058156	12594563
Total Persons Engaged	Number	14911189	15614619	16280211	16624291	16089700
Wages to Worker	₹ Lakhs	17353716	19280066	21576035	22890520	22261548
Total Emoluments	₹ Lakhs	37516385	41835716	46207983	49172897	48389031
Input	₹ Lakhs	589746374	660520215	774377980	749755617	719206541
Output	₹ Lakhs	726551423	807217258	928179908	898330129	880921387
GVA	₹ Lakhs	136805049	146697043	153801928	148574512	161714846
Depreciation	₹ Lakhs	22213138	23729624	26155291	27309742	28135986
NVA	₹ Lakhs	114591911	122967418	127646637	121264771	133578860
Rent Paid for Fixed Assets	₹ Lakhs	1964321	2147363	512545	471423	481328
Interest Paid	₹ Lakhs	18940173	18768379	19343714	18549872	17349819
Net Income	₹ Lakhs	97221421	105078789	107790378	102243476	115747714
Net Profit	₹ Lakhs	53935285	57624246	55652258	46947269	61405752

## Statement 3B: Observed Growth Rate

Characteristics	Percentage Growth			
	2017-18 over 2016-17	2018-19 over 2017-18	2019-20 over 2018-19	2020-21 over 2019-20
Factories in Operation	0.62	0.80	0.75	0.89
Fixed Capital	2.99	5.48	5.06	1.46
Invested Capital	3.83	7.09	4.11	4.37
Workers	4.81	4.70	2.03	-3.55
Total Persons Engaged	4.72	4.26	2.11	-3.22
Wages to Worker	11.10	11.91	6.09	-2.75
Total Emoluments	11.51	10.45	6.42	-1.59
Input	12.00	17.24	-3.18	-4.07
Output	11.10	14.99	-3.22	-1.94
GVA	7.23	4.84	-3.40	8.84
Depreciation	6.83	10.22	4.41	3.03
NVA	7.31	3.81	-5.00	10.15
Rent Paid for Fixed Assets	9.32	-76.13	-8.02	2.10
Interest Paid	-0.91	3.07	-4.10	-6.47
Net Income	8.08	2.58	-5.15	13.21
Net Profit	6.84	-3.42	-15.64	30.80

**Statement 4: Estimate of Structural Ratios and Technical Co-efficients**

<b>Structural Ratios</b>	<b>Unit</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>
Fixed Capital per Factory in Operation	₹ Lakhs	1641	1680	1758	1833	1844
Total Persons Engaged per Factory in Operation	Number	77	80	83	84	80
Workers per Factory in Operation	Number	60	63	65	66	63
Gross Output per Factory in Operation	₹ Lakhs	3738	4127	4708	4523	4396
Net Value Added per Factory in Operation	₹ Lakhs	590	629	647	611	667
Output per Person Engaged	₹	4872525	5169625	5701277	5403720	5475064
Gross Value Added per Person Engaged	₹	917466	939485	944717	893719	1005083
Net Value Added per Person Engaged	₹	768496	787515	784060	729443	830213
Wages per Worker	₹	148794	157718	168581	175297	176755

<b>Technical Coefficients</b>						
Fixed Capital to Net Value Added		2.78	2.67	2.72	3.00	2.77
Fixed Capital to Output		0.44	0.41	0.37	0.41	0.42
Net Value Added to Output		0.16	0.15	0.14	0.13	0.15
Gross Value Added to Fixed Capital		0.43	0.45	0.44	0.41	0.44
Output to Input		1.23	1.22	1.20	1.20	1.22
Profit to Output		0.07	0.07	0.06	0.05	0.07
Contract Workers to Total Workers		0.36	0.36	0.38	0.38	0.39
Emoluments to Net Value Added		0.33	0.34	0.36	0.41	0.36

## **4. Principal Characteristics – Industry (NIC-2 digit) Level**

### **4.1 Principal Characteristics**

**4.1.1** Statement 5A summarizes the relative status of the major industry groups. All the major industry groups have been ranked in the descending order of their contribution to the GVA by manufacture. Statement 5B gives the percentage distribution of these characteristics.

**4.1.2** Out of 28 industries in terms of National Industrial Classification (NIC)-2008 2-digit codes under the coverage of the survey, major five employment providing industries were Food Products (11.65%), Textiles (9.63%), Basic Metals (7.40%), Motor Vehicles, Trailers and Semi-trailers (6.76%) and Wearing Apparel (6.48%). Figures within the bracket denote the percentage share in the total number of persons engaged by the industry. Thus, the above five industries engaged 41.92% of the total manpower in the factory sector. Figure 5a shows the the manufacturing employment by major industry divisions (NIC 10-32) in 2020-21.

**4.1.3** Top six industries in terms of their percentage share in aggregate GVA were Basic Metals, Chemicals and Chemical Products, Pharmaceuticals, Medicinal Chemical & Botanical Products, Food Products, Motor Vehicles, Trailers and Semi-Trailers and Machinery and Equipment n.e.c.. They contributed a total of 54.59% of aggregate GVA with individual shares of 13.35%, 11.49%, 8.91%, 8.15%, 6.54% and 6.15% respectively. The above six industries also accounted for 47.21% of aggregate fixed capital. Figure 5b shows the relative position of major industries in respect of their percentage shares in aggregate GVA.

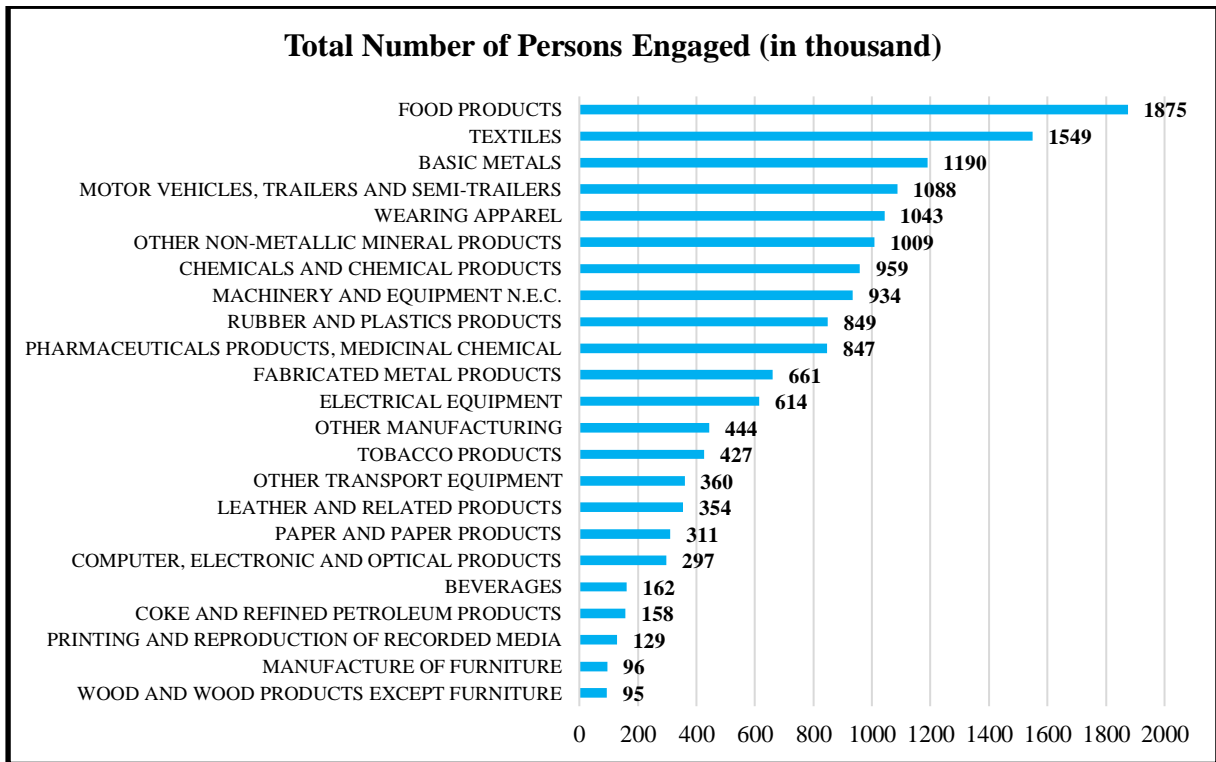
### **4.2 Structural Ratios**

**4.2.1** Statement 6 gives the structural ratios by NIC 2-digit. The minimum, maximum and the average value along with the names of the corresponding industry have been summarized for some of these structural ratios below in Table 2.

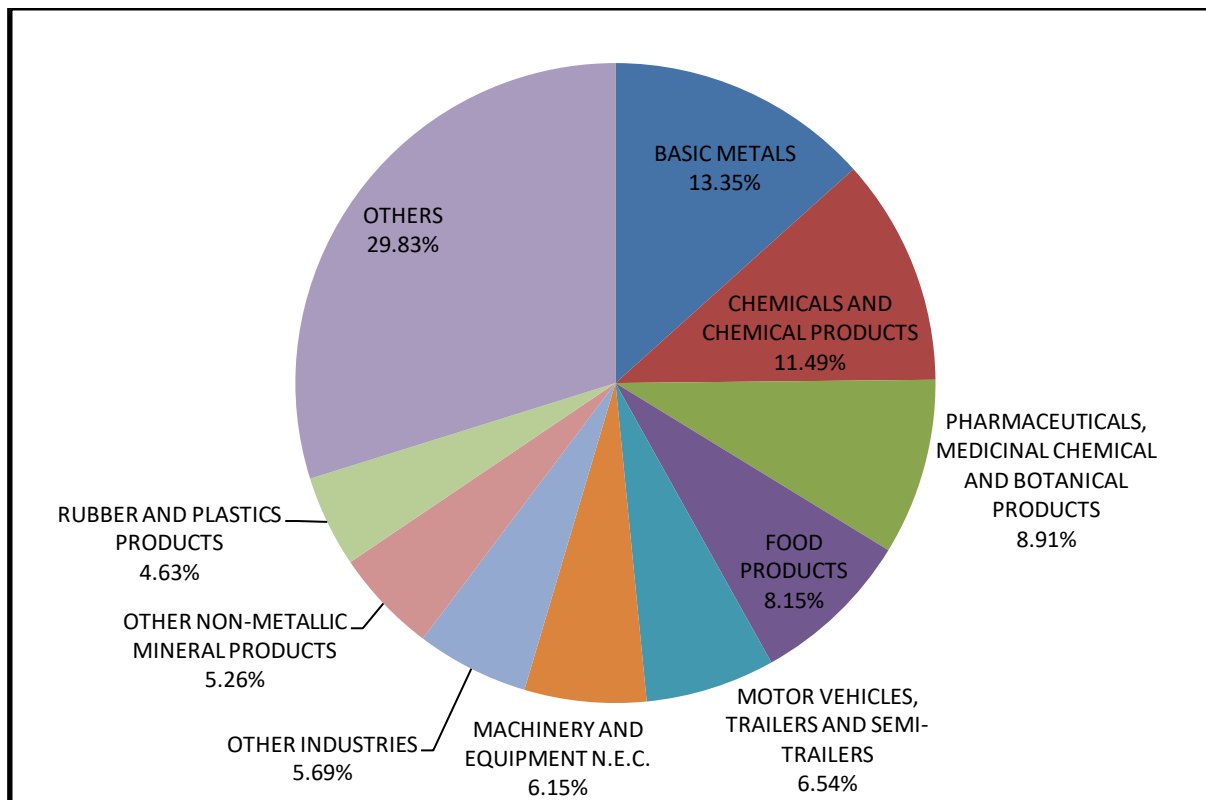
**Table 2: Structural Ratios: Minimum, Maximum and Average Values: All India**

<b>Structural Ratio</b>	<b>Minimum Value</b>	<b>Maximum Value</b>	<b>Average Value</b>
<b>Fixed Capital per Factory in Operation</b> (₹ Lakhs)	198 (NIC 16 - WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS)	35,873 (NIC 19 - COKE AND REFINED PETROLEUM PRODUCTS)	1,844
<b>Gross Output per Factory in Operation</b> (₹ Lakhs)	650 (NIC 16 - WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS)	53993 (NIC 19 - COKE AND REFINED PETROLEUM PRODUCTS)	4,396
<b>Net Value Added per Factory in Operation</b> (₹ Lakhs)	96 (NIC 16 - WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS)	2,814 (NIC 21 - PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS)	667
<b>Workers per Factory in Operation</b> (Number)	18 (NIC 16 - WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS)	162 (NIC 29 - MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS)	63
<b>Total Persons Engaged per Factory in Operation</b> (Number)	24 (NIC 16 - WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS)	207 (NIC 29 - MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS)	80
<b>Net Value Added per Person Engaged</b> (₹)	2,80,638 (NIC 14 - WEARING APPAREL)	27,76,002 (NIC 19 - COKE AND REFINED PETROLEUM PRODUCTS)	8,30,213
<b>Wages per Worker</b> (₹)	48,422 (NIC 12 - TOBACCO PRODUCTS)	3,64,969 (NIC 19 - COKE AND REFINED PETROLEUM PRODUCTS)	1,76,755

**Figure 5a: Total Number of Persons Engaged (in thousand) by major industry divisions**



**Figure 5b: Percentage Share of Major Industries in Aggregate GVA by the Factory Sector: All –India**



**Statement 5A: Estimate of Some Principal Characteristics by 2-digit Level of NIC  
(Arranged in Descending Order of GVA)**

NIC-08	Description	No. of Operating Factories (no.)	Fixed Capital (₹ Lakhs)	Working Capital (₹ Lakhs)	Invested Capital (₹ Lakhs)	Gross Value of Plant and Machinery (₹ Lakhs)	Total Persons Engaged (no.)	Total Input (₹ Lakhs)	Total Output (₹ Lakhs)	GVA (₹ Lakhs)	NVA (₹ Lakhs)	% Share in Aggregate GVA
24	BASIC METALS	10194	67923491	7832974	87415459	70879323	1190379	101870870	123453193	21582323	17598848	13.35
20	CHEMICALS AND CHEMICAL PRODUCTS	11425	33497292	13144952	45295751	37805725	958839	59568321	78148229	18579908	16234207	11.49
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	4635	15091230	11673509	23804283	12132327	846644	26216628	40629059	14412431	13043619	8.91
10	FOOD PRODUCTS	32862	24888872	13430043	50311459	19804993	1874956	123550028	136731673	13181645	11038946	8.15
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	5252	22463059	4928768	30236673	28683993	1087644	52605067	63186244	10581178	7491406	6.54
28	MACHINERY AND EQUIPMENT N.E.C.	11228	10518907	9897361	19288070	9085376	933737	29917335	39865057	9947722	8830802	6.15
OT	OTHER INDUSTRIES	11319	44198378	-221545	46324434	47524288	460568	18807491	28003152	9195661	6563304	5.69
23	OTHER NON-METALLIC MINERAL PRODUCTS	23626	22334459	5492181	27848150	22420015	1009337	23520947	32032231	8511284	6790717	5.26
22	RUBBER AND PLASTICS PRODUCTS	11806	13102041	4795560	18532211	13857373	849122	27451191	34935042	7483851	6191491	4.63
13	TEXTILES	13855	15074663	4906919	22552215	17640811	1549243	29597419	36732786	7135367	5620008	4.41
19	COKE AND REFINED PETROLEUM PRODUCTS	1578	56607289	-1845036	68633026	52959663	157532	78536015	85200243	6664228	4373091	4.12
27	ELECTRICAL EQUIPMENT	6373	6643342	7246208	12519681	5851092	614415	26702618	32146203	5443585	4711776	3.37
30	OTHER TRANSPORT EQUIPMENT	1921	4945220	3487127	7404277	4761821	359825	16847094	21336198	4489104	3892584	2.78
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	13028	6214474	5811085	11029080	5273506	661496	17275458	21624803	4349345	3723655	2.69
26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	1927	3317809	5349413	6878232	2632378	296869	17611800	21298155	3686355	3266891	2.28
14	WEARING APPAREL	8557	3235216	2739421	6218319	1775148	1042590	9781620	13043518	3261898	2925905	2.02
32	OTHER MANUFACTURING	3162	2191836	4443074	7819734	1609039	443574	19950674	22619541	2668867	2417366	1.65
17	PAPER AND PAPER PRODUCTS	5916	6288328	1507891	8412821	6570997	311429	10660905	13033908	2373003	1837803	1.47
11	BEVERAGES	1956	4151827	1123443	5892383	4562872	161918	6550062	8538291	1988229	1597969	1.23
12	TOBACCO PRODUCTS	2592	596807	584585	1537993	531447	426586	3043597	4826358	1782761	1717972	1.10
15	LEATHER AND RELATED PRODUCTS	3899	1384810	995796	2645293	922448	354080	4166159	5328382	1162223	1006442	0.72
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	3240	1413722	747035	1870030	1585446	128767	1848363	2656329	807966	638615	0.50
01	COTTON GINNING, CLEANING AND BAILING (01632); SEED	2787	697112	1433678	2241858	431318	90978	7064715	7757812	693097	611154	0.43
31	MANUFACTURE OF FURNITURE	1818	681098	289057	1226996	307780	95630	1838319	2361336	523016	458848	0.32
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS	3996	792207	626945	1469029	625229	94872	2136057	2595972	459915	383595	0.28
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	557	348526	311847	471313	239941	34933	658999	943651	284652	234595	0.18
38	WASTE COLLECTION, TREATMENT & DISPOSAL ACTIVITIES;	475	461304	199320	752340	314998	23861	1084522	1306234	221712	179291	0.14
58	PUBLISHING ACTIVITIES	288	310124	-63965	392005	463042	22634	273935	477941	204006	164894	0.13
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	121	65118	41431	91196	74528	7243	70333	109848	39516	33066	0.02
	<b>ALL INDUSTRIES</b>	<b>200395</b>	<b>369438562</b>	<b>110909076</b>	<b>519114310</b>	<b>371326916</b>	<b>16089700</b>	<b>719206541</b>	<b>880921387</b>	<b>161714846</b>	<b>133578860</b>	<b>100.00</b>

**Statement 5B: Percentage Distribution of Principal Characteristics by 2-digit Level of NIC  
(Arranged in Descending Order of GVA)**

NIC-08	Description	No. of Operating Factories	Fixed Capital	Working Capital	Invested Capital	Gross Value of Plant and Machinery	Total Persons Engaged	Total Input	Total Output	GVA	NVA
24	BASIC METALS	5.09	18.39	7.06	16.84	19.09	7.40	14.16	14.01	13.35	13.17
20	CHEMICALS AND CHEMICAL PRODUCTS	5.70	9.07	11.85	8.73	10.18	5.96	8.28	8.87	11.49	12.15
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	2.31	4.08	10.53	4.59	3.27	5.26	3.65	4.61	8.91	9.76
10	FOOD PRODUCTS	16.40	6.74	12.11	9.69	5.33	11.65	17.18	15.52	8.15	8.26
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	2.62	6.08	4.44	5.82	7.72	6.76	7.31	7.17	6.54	5.61
28	MACHINERY AND EQUIPMENT N.E.C.	5.60	2.85	8.92	3.72	2.45	5.80	4.16	4.53	6.15	6.61
OT	OTHER INDUSTRIES	5.65	11.96	-0.20	8.92	12.80	2.86	2.62	3.18	5.69	4.91
23	OTHER NON-METALLIC MINERAL PRODUCTS	11.79	6.05	4.95	5.36	6.04	6.27	3.27	3.64	5.26	5.08
22	RUBBER AND PLASTICS PRODUCTS	5.89	3.55	4.32	3.57	3.73	5.28	3.82	3.97	4.63	4.64
13	TEXTILES	6.91	4.08	4.42	4.34	4.75	9.63	4.12	4.17	4.41	4.21
19	COKE AND REFINED PETROLEUM PRODUCTS	0.79	15.32	-1.66	13.22	14.26	0.98	10.92	9.67	4.12	3.27
27	ELECTRICAL EQUIPMENT	3.18	1.80	6.53	2.41	1.58	3.82	3.71	3.65	3.37	3.53
30	OTHER TRANSPORT EQUIPMENT	0.96	1.34	3.14	1.43	1.28	2.24	2.34	2.42	2.78	2.91
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	6.50	1.68	5.24	2.12	1.42	4.11	2.40	2.45	2.69	2.79
26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	0.96	0.90	4.82	1.32	0.71	1.85	2.45	2.42	2.28	2.45
14	WEARING APPAREL	4.27	0.88	2.47	1.20	0.48	6.48	1.36	1.48	2.02	2.19
32	OTHER MANUFACTURING	1.58	0.59	4.01	1.51	0.43	2.76	2.77	2.57	1.65	1.81
17	PAPER AND PAPER PRODUCTS	2.95	1.70	1.36	1.62	1.77	1.94	1.48	1.48	1.47	1.38
11	BEVERAGES	0.98	1.12	1.01	1.14	1.23	1.01	0.91	0.97	1.23	1.20
12	TOBACCO PRODUCTS	1.29	0.16	0.53	0.30	0.14	2.65	0.42	0.55	1.10	1.29
15	LEATHER AND RELATED PRODUCTS	1.95	0.37	0.90	0.51	0.25	2.20	0.58	0.60	0.72	0.75
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	1.62	0.38	0.67	0.36	0.43	0.80	0.26	0.30	0.50	0.48
01	COTTON GINNING, CLEANING AND BAILING (01632); SEED PROCESSING FOR PROPAGATION (01640)	1.39	0.19	1.29	0.43	0.12	0.57	0.98	0.88	0.43	0.46
31	MANUFACTURE OF FURNITURE	0.91	0.18	0.26	0.24	0.08	0.59	0.26	0.27	0.32	0.34
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF	1.99	0.21	0.57	0.28	0.17	0.59	0.30	0.29	0.28	0.29
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	0.28	0.09	0.28	0.09	0.06	0.22	0.09	0.11	0.18	0.18
38	WASTE COLLECTION, TREATMENT & DISPOSAL ACTIVITIES; MATERIALS RECOVERY	0.24	0.12	0.18	0.14	0.08	0.15	0.15	0.15	0.14	0.13
58	PUBLISHING ACTIVITIES	0.14	0.08	-0.06	0.08	0.12	0.14	0.04	0.05	0.13	0.12
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	0.06	0.02	0.04	0.02	0.02	0.05	0.01	0.01	0.02	0.02
	<b>ALL INDUSTRIES</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Statement 6: Structural Ratios by 2-digit Level of NIC

NIC-08	Description	Fixed Capital per Factory in Operation (₹ Lakhs)	Total Persons Engaged per Factory in Operation (Number)	Workers per Factory in Operation (Number)	Gross Output per Factory in Operation (₹ Lakhs)	Net Value Added per Factory in Operation (₹ Lakhs)	Output per Person Engaged (₹)	Gross Value Added per Person Engaged (₹)	Net Value Added per Person Engaged (₹)	Wages per Worker (₹)
01	COTTON GINNING, CLEANING AND BAILING (01632); SEED PROCESSING FOR PROPAGATION (01640)	250	33	25	2784	219	8527130	761829	671760	130889
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	538	60	53	908	273	1516609	545575	456524	116158
10	FOOD PRODUCTS	757	57	44	4161	336	7292527	703038	588758	148090
11	BEVERAGES	2123	83	65	4365	817	5273219	1227923	986900	182778
12	TOBACCO PRODUCTS	230	165	158	1862	663	1131392	417914	402726	48422
13	TEXTILES	1088	112	95	2651	406	2371015	460571	362758	140102
14	WEARING APPAREL	378	122	105	1524	342	1251069	312865	280638	130480
15	LEATHER AND RELATED PRODUCTS	355	91	76	1367	258	1504853	328237	284241	130376
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS	198	24	18	650	96	2736289	484774	404329	124935
17	PAPER AND PAPER PRODUCTS	1063	53	41	2203	311	4185194	761972	590119	167022
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	436	40	27	820	197	2062896	627464	495946	176163
19	COKE AND REFINED PETROLEUM PRODUCTS	35873	100	77	53993	2771	54084404	4230396	2776002	364969
20	CHEMICALS AND CHEMICAL PRODUCTS	2932	84	62	6840	1421	8150297	1937751	1693111	203615
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	3256	183	115	8766	2814	4798836	1702301	1540626	243177
22	RUBBER AND PLASTICS PRODUCTS	1110	72	57	2959	524	4114255	881363	729164	175383
23	OTHER NON-METALLIC MINERAL PRODUCTS	945	43	35	1356	287	3173591	843255	672790	133244
24	BASIC METALS	6663	117	94	12110	1726	10370915	1813063	1478424	251211
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	477	51	39	1660	286	3269075	657501	562914	182649
26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	1722	154	114	11052	1695	7174260	1241745	1100449	204585
27	ELECTRICAL EQUIPMENT	1042	96	74	5044	739	5232002	885979	766872	197066
28	MACHINERY AND EQUIPMENT N.E.C.	937	83	59	3551	786	4269410	1065367	945748	211757
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	4277	207	162	12031	1426	5809460	972853	688774	219094
30	OTHER TRANSPORT EQUIPMENT	2574	187	151	11107	2026	5929604	1247580	1081799	215905
31	MANUFACTURE OF FURNITURE	375	53	39	1299	252	2469242	546916	479816	162674
32	OTHER MANUFACTURING	693	140	112	7154	765	5099384	601673	544975	174004
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	626	63	42	1694	421	2701317	814851	671557	318221
38	WASTE COLLECTION, TREATMENT & DISPOSAL ACTIVITIES; MATERIALS RECOVERY	971	50	40	2750	377	5474347	929182	751398	150374
58	PUBLISHING ACTIVITIES	1077	79	37	1660	573	2111606	901325	728523	278786
	OTHER INDUSTRIES	3905	41	29	2474	580	6080134	1996591	1425046	187053
	<b>ALL INDUSTRIES</b>	<b>1844</b>	<b>80</b>	<b>63</b>	<b>4396</b>	<b>667</b>	<b>5475064</b>	<b>1005083</b>	<b>830213</b>	<b>176755</b>



## **5. Principal Characteristics - State/UT Level**

### **5.1 Principal Aggregates**

**5.1.1** Statements 7A and 7B respectively present data on some selected aggregates both in absolute and percentage terms for all the States/UTs ranked in the descending order of their contribution to gross value added. Statement 8A and 8B give the parameter values from manufacturing sector only for all the States/UTs.

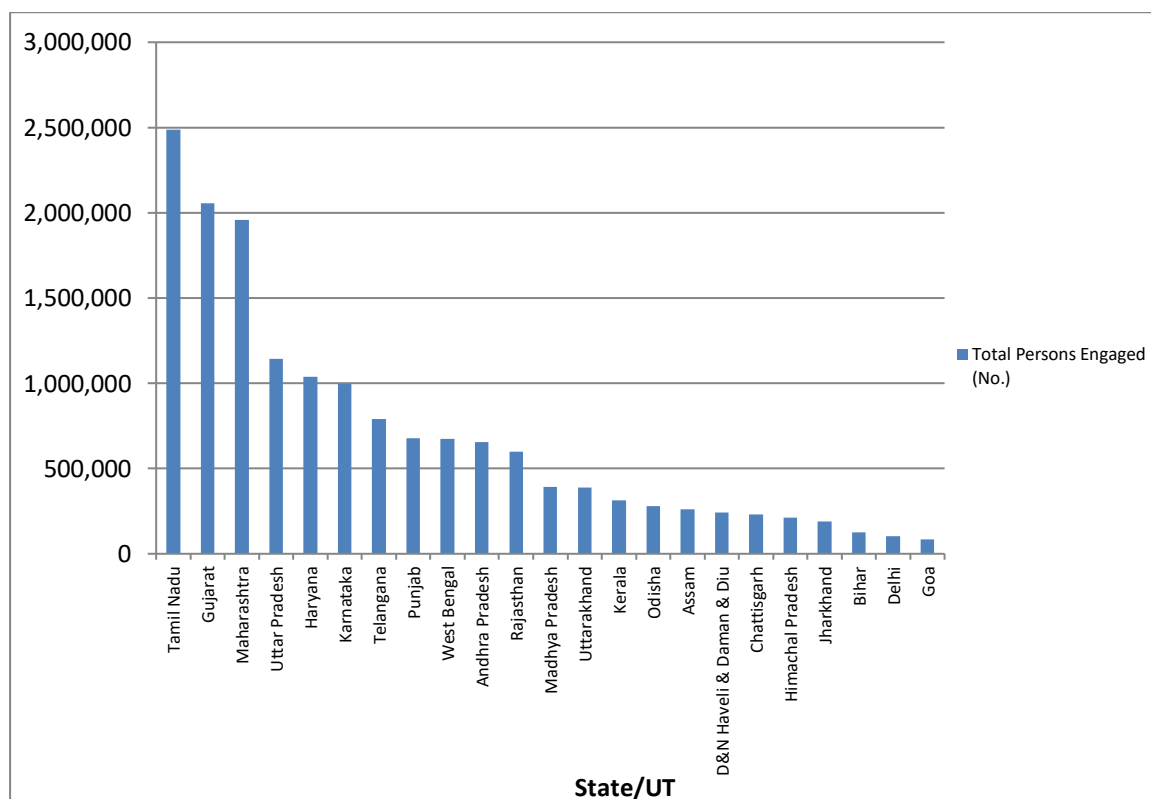
**5.1.2** In 2020-21, the number of operating factories is reported highest in Tamil Nadu (15.74%) followed by Gujarat (11.66%). Gujarat's share is the highest in respect of aggregates gross value of plant and machinery (22.13%), fixed capital (20.72%), invested capital (19.43%), input (17.44%), total output (16.99%) and gross value added (14.98%). Maharashtra occupies the first position by virtue of its contribution to net value added (15.16%), working capital (15.96%) and total emoluments (17.03%). In terms of contribution to net value added, Maharashtra is followed by Gujarat (14.55%), Tamil Nadu (9.70%), Karnataka (7.15%) and Uttar Pradesh (5.98%) in that order.

### **5.2 Structural Ratios**

**5.2.1** Statement 9A gives the structural ratios for all the States/UTs, considering all the sectors. Whereas, Statement 9B gives the structural ratios for all the States/UTs, considering only the selected manufacturing sector. The minimum, maximum and the average value along with the names of the corresponding States/UTs have been summarized for some of these structural ratios (for the whole registered manufacturing sector) below in Table 3. Further, Figure 6 provides graphical representation of Total Persons Engaged in the registered manufacturing sector by State/UT.

**Table 3: Structural Ratios: Minimum, Maximum and Average Values: All India**

Structural Ratio	Minimum Value	Maximum Value	Average Value
Fixed Capital per Factory in Operation (₹ Lakhs)	29 (Mizoram)	35,017 (Ladakh)	1,844
Gross Output per Factory in Operation (₹ Lakhs)	32 (Mizoram)	24,109 (Sikkim)	4,396
Net Value Added per Factory in Operation (₹ Lakhs)	6 (Mizoram)	10,355 (Sikkim)	667
Workers per Factory in Operation (Number)	6 (Mizoram)	214 (Sikkim)	63
Total Persons Engaged per Factory in Operation (Number)	7 (Mizoram)	253 (Sikkim)	80
Net Value Added per Person Engaged (₹)	82,004 (Mizoram)	56,88,571 (Ladakh)	8,30,213
Wages per Worker (₹)	48,419 (Mizoram)	2,82,762 (Jharkhand)	1,76,755

**Figure 6: Total Number of Persons Engaged in the Factory Sector by State/UT**

Statement 7A: Value of Principal Characteristics by State/UT (Arranged in Descending Order of GVA)

State/UT	No. of Operating Factories (no.)	Fixed Capital (₹ Lakhs)	Working Capital (₹ Lakhs)	Invested Capital (₹ Lakhs)	Gross Value of Plant and Machinery (₹ Lakhs)	Total Persons Engaged (no.)	Total Emoluments (₹ Lakhs)	Total Input (₹ Lakhs)	Total Output (₹ Lakhs)	GVA (₹ Lakhs)	NVA (₹ Lakhs)	% Share in Aggregate GVA
Gujarat	23376	76549797	15188030	100857799	82183175	2054221	6271204	125408593	149635290	24226697	19440349	14.98
Maharashtra	20017	43108696	17700555	68693900	45015118	1958888	8242249	101392069	125360944	23968875	20254062	14.82
Tamil Nadu	31546	30150291	11369307	45524347	31291491	2488428	6178406	69618937	85588228	15969290	12951354	9.87
Karnataka	10948	22169880	8063814	31351759	22211890	996680	3605602	41299705	52647967	11348263	9546643	7.02
Uttar Pradesh	13112	17334875	8740177	27274260	16701890	1142206	3141710	47890550	57323389	9432839	7989853	5.83
Haryana	8737	14585737	6027093	22698132	14558115	1036575	3290009	50824046	58963165	8139119	6556767	5.03
Andhra Pradesh	12544	21241079	6027818	29075316	18542966	654708	1897066	37001096	44112137	7111041	5618052	4.40
Rajasthan	8772	14081395	6350344	20522651	15191180	599660	1717898	28792448	35664573	6872125	5723942	4.25
Telangana	11013	10539333	6545632	15596749	9943840	790098	1939804	19970406	26444406	6474000	5564698	4.00
Odisha	2902	30458251	-1194567	34707491	29354373	279366	1020482	21661576	27459491	5797916	4140243	3.59
West Bengal	8872	12527544	4682020	18799949	13252749	675402	1736756	29385549	34994845	5609297	4640382	3.47
Madhya Pradesh	4335	18483353	1681703	22807109	19821117	390369	1138805	23190033	28355355	5165322	3861404	3.19
Uttarakhand	2411	5463237	2745797	8116043	5368790	389553	1014347	16990727	22071066	5080339	4583433	3.14
Punjab	10730	9546604	3650810	14464879	7989103	676840	1468152	21340354	25530567	4190213	3572677	2.59
Jharkhand	2165	9038317	1059819	11115986	9172884	187630	832693	10521955	13826805	3304850	2736749	2.04
Himachal Pradesh	1990	4419046	1984379	5989553	3948771	213748	771666	9168173	12428673	3260500	2882076	2.02
Chattisgarh	3753	10073294	626036	12654570	11124816	229538	795352	15296800	18320042	3023242	2430122	1.87
Dadra & N Haveli & Daman & Diu	2120	4211005	2802045	6353977	4153058	241124	661054	11728848	14347475	2618627	2287744	1.62
Kerala	7113	5866345	1587703	8067873	3293308	314152	874360	11980924	14232788	2251864	1878544	1.39
Assam	4688	3255125	936048	4285265	2702484	260393	399133	5749850	7719778	1969928	1679002	1.22
Goa	690	1339537	1280565	2215529	1549178	82881	364896	3576865	5051792	1474927	1313686	0.91
Jammu and Kashmir	899	807584	593333	1272193	767354	65448	158172	2446445	3425623	979179	909055	0.61
Sikkim	82	556884	360067	843929	255961	20786	76249	1051188	1976929	925741	849134	0.57
Bihar	2784	1600611	690711	2445932	1305786	126219	209373	6157941	7029583	871643	745781	0.54
Puducherry	653	628532	374384	1001961	684886	52663	152481	2051174	2793994	742819	687740	0.46
Delhi	2410	777678	746370	1509498	403184	101742	331748	3642100	4258588	616488	510649	0.38
Meghalaya	163	347817	150514	459331	419272	12354	35660	502326	642413	140087	100415	0.09
Chandigarh	195	101991	86034	165973	42578	9144	34534	294102	356324	62223	53398	0.04
Tripura	656	45382	19552	81040	10773	22827	14893	134027	175381	41354	35820	0.03
Ladakh	2	70034	2718	72100	31498	175	1706	7720	22966	15246	9955	0.01
Manipur	202	18222	3945	26347	8143	6364	5097	40385	50633	10248	8258	0.01
Nagaland	188	17818	7186	25074	10422	5466	3700	35289	44704	9416	8799	0.01
Arunachal Pradesh	108	15985	15321	28004	13231	2355	2651	46919	55255	8336	6208	0.01
Mizoram	205	5850	2559	7130	2181	1467	648	4566	6525	1958	1203	0.00
A&N Islands	12	1432	1257	2656	1350	230	476	2858	3695	837	664	0.00
<b>All India</b>	<b>200395</b>	<b>369438562</b>	<b>110909076</b>	<b>519114310</b>	<b>371326916</b>	<b>16089700</b>	<b>48389031</b>	<b>719206541</b>	<b>880921387</b>	<b>161714846</b>	<b>133578860</b>	<b>100.00</b>

Statement 7B: Percentage Distribution of Principal Characteristics by State/UT (Arranged in Descending Order of GVA)

State/UT	No. of Operating Factories	Fixed Capital	Working Capital	Invested Capital	Gross Value of Plant and Machinery	Total Persons Engaged	Total Emoluments	Total Input	Total Output	GVA	NVA
Gujarat	11.66	20.72	13.69	19.43	22.13	12.77	12.96	17.44	16.99	14.98	14.55
Maharashtra	9.99	11.67	15.96	13.23	12.12	12.17	17.03	14.10	14.23	14.82	15.16
Tamil Nadu	15.74	8.16	10.25	8.77	8.43	15.47	12.77	9.68	9.72	9.87	9.70
Karnataka	5.46	6.00	7.27	6.04	5.98	6.19	7.45	5.74	5.98	7.02	7.15
Uttar Pradesh	6.54	4.69	7.88	5.25	4.50	7.10	6.49	6.66	6.51	5.83	5.98
Haryana	4.36	3.95	5.43	4.37	3.92	6.44	6.80	7.07	6.69	5.03	4.91
Andhra Pradesh	6.26	5.75	5.43	5.60	4.99	4.07	3.92	5.14	5.01	4.40	4.21
Rajasthan	4.38	3.81	5.73	3.95	4.09	3.73	3.55	4.00	4.05	4.25	4.29
Telangana	5.50	2.85	5.90	3.00	2.68	4.91	4.01	2.78	3.00	4.00	4.17
Odisha	1.45	8.24	-1.08	6.69	7.91	1.74	2.11	3.01	3.12	3.59	3.10
West Bengal	4.43	3.39	4.22	3.62	3.57	4.20	3.59	4.09	3.97	3.47	3.47
Madhya Pradesh	2.16	5.00	1.52	4.39	5.34	2.43	2.35	3.22	3.22	3.19	2.89
Uttarakhand	1.20	1.48	2.48	1.56	1.45	2.42	2.10	2.36	2.51	3.14	3.43
Punjab	5.35	2.58	3.29	2.79	2.15	4.21	3.03	2.97	2.90	2.59	2.67
Jharkhand	1.08	2.45	0.96	2.14	2.47	1.17	1.72	1.46	1.57	2.04	2.05
Himachal Pradesh	0.99	1.20	1.79	1.15	1.06	1.33	1.59	1.27	1.41	2.02	2.16
Chhattisgarh	1.87	2.73	0.56	2.44	3.00	1.43	1.64	2.13	2.08	1.87	1.82
Dadra & N Haveli & Daman & Diu	1.06	1.14	2.53	1.22	1.12	1.50	1.37	1.63	1.63	1.62	1.71
Kerala	3.55	1.59	1.43	1.55	0.89	1.95	1.81	1.67	1.62	1.39	1.41
Assam	2.34	0.88	0.84	0.83	0.73	1.62	0.82	0.80	0.88	1.22	1.26
Goa	0.34	0.36	1.15	0.43	0.42	0.52	0.75	0.50	0.57	0.91	0.98
Jammu and Kashmir	0.45	0.22	0.53	0.25	0.21	0.41	0.33	0.34	0.39	0.61	0.68
Sikkim	0.04	0.15	0.32	0.16	0.07	0.13	0.16	0.15	0.22	0.57	0.64
Bihar	1.39	0.43	0.62	0.47	0.35	0.78	0.43	0.86	0.80	0.54	0.56
Puducherry	0.33	0.17	0.34	0.19	0.18	0.33	0.32	0.29	0.32	0.46	0.51
Delhi	1.20	0.21	0.67	0.29	0.11	0.63	0.69	0.51	0.48	0.38	0.38
Meghalaya	0.08	0.09	0.14	0.09	0.11	0.08	0.07	0.07	0.07	0.09	0.08
Chandigarh	0.10	0.03	0.08	0.03	0.01	0.06	0.07	0.04	0.04	0.04	0.04
Tripura	0.33	0.01	0.02	0.02	0.00	0.14	0.03	0.02	0.02	0.03	0.03
Ladakh	0.00	0.02	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01
Manipur	0.10	0.00	0.00	0.01	0.00	0.04	0.01	0.01	0.01	0.01	0.01
Nagaland	0.09	0.00	0.01	0.00	0.00	0.03	0.01	0.00	0.01	0.01	0.01
Arunachal Pradesh	0.05	0.00	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.00
Mizoram	0.10	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
A&N Islands	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>All India</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

**Statement 8A: Value of Principal Characteristics by State/UT (Arranged in Descending Order of GVA)**  
**(Only for Selected Manufacturing Sector)**

State/UT	No. of Operating Factories (no.)	Fixed Capital (₹ Lakhs)	Working Capital (₹ Lakhs)	Invested Capital (₹ Lakhs)	Gross Value of Plant and Machinery (₹ Lakhs)	Total Persons Engaged (no.)	Total Emoluments (₹ Lakhs)	Total Input (₹ Lakhs)	Total Output (₹ Lakhs)	GVA (₹ Lakhs)	NVA (₹ Lakhs)	% Share in Aggregate GVA
Maharashtra	18712	40991313	17876851	66154018	42458424	1899719	8076891	98215848	121558597	23342750	19766363	15.38
Gujarat	21921	71461584	14846799	95188638	75575727	2001740	6140913	118576287	141382616	22806329	18330641	15.03
Tamil Nadu	29596	26623164	11502602	41754459	27628447	2427219	6031666	68255707	83544658	15288951	12446856	10.07
Karnataka	9766	19967025	7828524	28850870	19718869	952492	3486358	39846855	50570380	10723525	9067656	7.06
Uttar Pradesh	11676	14672108	7878689	24457040	13786852	1096191	3018355	45916417	54629530	8713113	7447533	5.74
Haryana	8410	13829309	5917657	21768373	14068675	1015561	3233584	49778139	57723394	7945255	6413850	5.23
Andhra Pradesh	11340	18457974	5981679	26162626	15602018	622954	1842113	36248040	43002913	6754873	5410906	4.45
Rajasthan	8368	9833627	6484401	16178688	10668356	578758	1663720	27845493	34034957	6189465	5279316	4.08
Telangana	9877	7870072	5171752	12322013	7285101	733778	1768611	18269618	23963282	5693664	4950413	3.75
Odisha	2768	28736773	29905	32912811	27252576	269514	990250	21016685	26559570	5542885	3974793	3.65
West Bengal	8294	11537933	4678757	17737916	12118515	654510	1687370	28916740	34245706	5328966	4447784	3.51
Uttarakhand	2328	4140203	2716994	6776531	4562113	384621	970575	16839802	21534259	4694457	4264308	3.09
Punjab	10262	9118666	3549380	13925376	7651498	661810	1438290	21069291	25148839	4079547	3499331	2.69
Madhya Pradesh	3953	8861412	2330222	12861233	9223324	365451	1040255	20882050	24461531	3579481	2868416	2.36
Jharkhand	2013	8595821	799174	10625603	8582814	179013	808190	10272920	13485178	3212259	2668010	2.12
Himachal Pradesh	1853	2603929	2068521	4156213	2610932	206513	743146	9070162	11921335	2851173	2559791	1.88
Chhattisgarh	3551	8539199	487867	10984597	9574452	217633	761142	14173353	16958205	2784852	2247155	1.83
Dadra & N Haveli & Daman & Diu	2120	4211005	2802045	6353977	4153058	241124	661054	11728848	14347475	2618627	2287744	1.73
Kerala	6356	5707598	1499582	7865557	3165363	291014	824260	11776510	13926710	2150201	1787760	1.42
Assam	4520	3156605	895283	4167745	2676657	256082	391248	5642219	7571513	1929294	1666172	1.27
Goa	641	1312159	1270123	2180126	1522312	79260	356656	3541005	4990243	1449238	1291147	0.95
Sikkim	80	556129	359363	842472	255780	20681	76017	1047279	1972453	925174	848604	0.61
Bihar	2535	1496719	656767	2326640	1221363	122228	202996	6097558	6942647	845088	727186	0.56
Jammu and Kashmir	872	450389	673057	907317	456994	61076	140015	2309190	3144377	835187	789681	0.55
Puducherry	631	624715	345225	996606	684310	51811	151087	2035864	2769163	733300	678507	0.48
Delhi	2129	600215	724769	1261499	306378	83480	277255	2964512	3478241	513729	452906	0.34
Meghalaya	154	330477	144846	439003	398581	12039	34966	488523	625327	136804	98541	0.09
Chandigarh	160	88028	88902	136384	41482	7370	29167	200267	250545	50278	42762	0.03
Tripura	618	42125	16213	71491	10662	22061	13494	117779	156393	38614	33452	0.03
Manipur	196	17708	4077	25631	8143	6199	4873	39919	49718	9799	7856	0.01
Nagaland	166	16071	5229	21550	10352	5130	3363	24521	33583	9062	8540	0.01
Arunachal Pradesh	108	15985	15321	28004	13231	2355	2651	46919	55255	8336	6208	0.01
Mizoram	187	5605	2466	6873	2181	1339	602	4508	6346	1837	1112	0.00
A&N Islands	8	1121	535	1814	1244	147	301	2446	2913	466	334	0.00
Ladakh	1	5188	1937	7125	0	36	111	2730	2725	-4	-297	0.00
<b>All India</b>	<b>186169</b>	<b>324477953</b>	<b>109655512</b>	<b>470456822</b>	<b>323296782</b>	<b>15530911</b>	<b>46871544</b>	<b>693264003</b>	<b>845050576</b>	<b>151786573</b>	<b>126371336</b>	<b>100.00</b>

**Statement 8B: Percentage Distribution of Principal Characteristics by State/UT (Arranged in Descending Order of GVA)**  
**(Only for Selected Manufacturing Sector)**

<i>State/UT</i>	<i>No. of Operating Factories</i>	<i>Fixed Capital</i>	<i>Working Capital</i>	<i>Invested Capital</i>	<i>Gross Value of Plant and Machinery</i>	<i>Total Persons Engaged</i>	<i>Total Emoluments</i>	<i>Total Input</i>	<i>Total Output</i>	<i>GVA</i>	<i>NVA</i>
Maharashtra	10.05	12.63	16.30	14.06	13.13	12.23	17.23	14.17	14.38	15.38	15.64
Gujarat	11.77	22.02	13.54	20.23	23.38	12.89	13.10	17.10	16.73	15.03	14.51
Tamil Nadu	15.90	8.20	10.49	8.88	8.55	15.63	12.87	9.85	9.89	10.07	9.85
Karnataka	5.25	6.15	7.14	6.13	6.10	6.13	7.44	5.75	5.98	7.06	7.18
Uttar Pradesh	6.27	4.52	7.18	5.20	4.26	7.06	6.44	6.62	6.46	5.74	5.89
Haryana	4.52	4.26	5.40	4.63	4.35	6.54	6.90	7.18	6.83	5.23	5.08
Andhra Pradesh	6.09	5.69	5.45	5.56	4.83	4.01	3.93	5.23	5.09	4.45	4.28
Rajasthan	4.49	3.03	5.91	3.44	3.30	3.73	3.55	4.02	4.03	4.08	4.18
Telangana	5.31	2.43	4.72	2.62	2.25	4.72	3.77	2.64	2.84	3.75	3.92
Odisha	1.49	8.86	0.03	7.00	8.43	1.74	2.11	3.03	3.14	3.65	3.15
West Bengal	4.46	3.56	4.27	3.77	3.75	4.21	3.60	4.17	4.05	3.51	3.52
Uttarakhand	1.25	1.28	2.48	1.44	1.41	2.48	2.07	2.43	2.55	3.09	3.37
Punjab	5.51	2.81	3.24	2.96	2.37	4.26	3.07	3.04	2.98	2.69	2.77
Madhya Pradesh	2.12	2.73	2.13	2.73	2.85	2.35	2.22	3.01	2.89	2.36	2.27
Jharkhand	1.08	2.65	0.73	2.26	2.65	1.15	1.72	1.48	1.60	2.12	2.11
Himachal Pradesh	1.00	0.80	1.89	0.88	0.81	1.33	1.59	1.31	1.41	1.88	2.03
Chattisgarh	1.91	2.63	0.44	2.33	2.96	1.40	1.62	2.04	2.01	1.83	1.78
Dadra & N Haveli & Daman & Diu	1.14	1.30	2.56	1.35	1.28	1.55	1.41	1.69	1.70	1.73	1.81
Kerala	3.41	1.76	1.37	1.67	0.98	1.87	1.76	1.70	1.65	1.42	1.41
Assam	2.43	0.97	0.82	0.89	0.83	1.65	0.83	0.81	0.90	1.27	1.32
Goa	0.34	0.40	1.16	0.46	0.47	0.51	0.76	0.51	0.59	0.95	1.02
Sikkim	0.04	0.17	0.33	0.18	0.08	0.13	0.16	0.15	0.23	0.61	0.67
Bihar	1.36	0.46	0.60	0.49	0.38	0.79	0.43	0.88	0.82	0.56	0.58
Jammu and Kashmir	0.47	0.14	0.61	0.19	0.14	0.39	0.30	0.33	0.37	0.55	0.62
Puducherry	0.34	0.19	0.31	0.21	0.21	0.33	0.32	0.29	0.33	0.48	0.54
Delhi	1.14	0.18	0.66	0.27	0.09	0.54	0.59	0.43	0.41	0.34	0.36
Meghalaya	0.08	0.10	0.13	0.09	0.12	0.08	0.07	0.07	0.07	0.09	0.08
Chandigarh	0.09	0.03	0.08	0.03	0.01	0.05	0.06	0.03	0.03	0.03	0.03
Tripura	0.33	0.01	0.01	0.02	0.00	0.14	0.03	0.02	0.02	0.03	0.03
Manipur	0.11	0.01	0.00	0.01	0.00	0.04	0.01	0.01	0.01	0.01	0.01
Nagaland	0.09	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.01	0.01
Arunachal Pradesh	0.06	0.00	0.01	0.01	0.00	0.02	0.01	0.01	0.01	0.01	0.00
Mizoram	0.10	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
A&N Islands	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>All India</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Statement 9A: Some Structural Ratios by State/UT

State/UT	Fixed Capital per Factory in Operation (₹ Lakhs)	Total Persons Engaged per Factory in Operation (Number)	Workers per Factory in Operation (Number)	Gross Output per Factory in Operation (₹ Lakhs)	Net Value Added per Factory in Operation (₹ Lakhs)	Output per Person Engaged (₹)	Gross Value Added per Person Engaged (₹)	Net Value Added per Person Engaged (₹)	Wages per Worker (₹)
A&N Islands	119	19	15	308	55	1606522	363913	288696	156742
Andhra Pradesh	1693	52	42	3517	448	6737681	1086139	858100	197565
Arunachal Pradesh	148	22	16	512	57	2346285	353970	263609	76406
Assam	694	56	46	1647	358	2964664	756521	644795	99015
Bihar	575	45	38	2525	268	5569354	690580	590863	109267
Chandigarh	523	47	29	1827	274	3896807	680479	583968	233153
Chhattisgarh	2684	61	49	4881	648	7981268	1317099	1058701	228481
Dadra & N Haveli & Daman & Diu	1986	114	90	6768	1079	5950248	1086008	948783	160989
Delhi	323	42	29	1767	212	4185674	605933	501906	193853
Goa	1941	120	85	7321	1904	6095235	1779572	1585027	240063
Gujarat	3275	88	67	6401	832	7284284	1179362	946361	172458
Haryana	1669	119	94	6749	750	5688268	785193	632541	163671
Himachal Pradesh	2221	107	70	6246	1448	5814638	1525394	1348352	191782
Jammu and Kashmir	898	73	57	3810	1011	5234114	1496118	1388973	148735
Jharkhand	4175	87	69	6387	1264	7369187	1761365	1458588	282762
Karnataka	2025	91	70	4809	872	5282334	1138606	957844	214269
Kerala	825	44	35	2001	264	4530542	716807	597973	193964
Ladakh	35017	88	68	11483	4978	13123429	8712000	5688571	266176
Madhya Pradesh	4264	90	69	6541	891	7263731	1323190	989168	163674
Maharashtra	2154	98	70	6263	1012	6399597	1223596	1033957	230325
Manipur	90	32	25	251	41	795616	161031	129761	71887
Meghalaya	2134	76	63	3941	616	5200040	1133940	812814	152720
Mizoram	29	7	6	32	6	444785	133470	82004	48419
Nagaland	95	29	25	238	47	817856	172265	160977	55262
Odisha	10496	96	80	9462	1427	9829217	2075384	1482014	243237
Puducherry	963	81	65	4279	1053	5305421	1410514	1305926	192290
Punjab	890	63	51	2379	333	3772024	619085	527847	142457
Rajasthan	1605	68	54	4066	653	5947466	1146004	954531	177650
Sikkim	6791	253	214	24109	10355	9510868	4453676	4085125	217055
Tamil Nadu	956	79	65	2713	411	3439450	641742	520463	155199
Telangana	957	72	60	2401	505	3346978	819392	704305	152161
Tripura	69	35	29	267	55	768305	181163	156919	50035
Uttar Pradesh	1322	87	69	4372	609	5018656	825844	699511	146249
Uttarakhand	2266	162	130	9154	1901	5665742	1304146	1176588	161250
West Bengal	1412	76	59	3944	523	5181336	830512	687055	170081
<b>All India</b>	<b>1844</b>	<b>80</b>	<b>63</b>	<b>4396</b>	<b>667</b>	<b>5475064</b>	<b>1005083</b>	<b>830213</b>	<b>176755</b>

Statement 9B: Some Structural Ratios by State/UT (Only for Selected Manufacturing Sector)

State/UT	Fixed Capital per Factory in Operation (₹ Lakhs)	Total Persons Engaged per Factory in Operation (Number)	Workers per Factory in Operation (Number)	Gross Output per Factory in Operation (₹ Lakhs)	Net Value Added per Factory in Operation (₹ Lakhs)	Output per Person Engaged (₹)	Gross Value Added per Person Engaged (₹)	Net Value Added per Person Engaged (₹)	Wages per Worker (₹)
A&N Islands	140	18	15	364	42	1981633	317007	227211	146610
Andhra Pradesh	1628	55	44	3792	477	6903064	1084329	868588	200847
Arunachal Pradesh	148	22	16	512	57	2346285	353970	263609	76406
Assam	698	57	47	1675	369	2956675	753389	650640	98941
Bihar	590	48	41	2739	287	5680079	691403	594942	108927
Chandigarh	550	46	29	1566	267	3399525	682198	580217	248182
Chattisgarh	2405	61	50	4776	633	7792111	1279609	1032543	230873
Dadra & N Haveli & Daman & Diu	1986	114	90	6768	1079	5950248	1086008	948783	160989
Delhi	282	39	27	1634	213	4166556	615392	542532	191564
Goa	2047	124	88	7785	2014	6296042	1828461	1629002	242143
Gujarat	3260	91	70	6450	836	7062986	1139325	915735	172891
Haryana	1644	121	96	6864	763	5683892	782351	631557	163894
Himachal Pradesh	1405	111	72	6434	1381	5772680	1380626	1239530	190104
Jammu and Kashmir	517	70	56	3606	906	5148302	1367455	1292948	143232
Jharkhand	4270	89	72	6699	1325	7533072	1794428	1490400	286321
Karnataka	2045	98	75	5178	928	5309271	1125839	951993	215420
Kerala	898	46	36	2191	281	4785581	738865	614321	195265
Ladakh	5188	36	33	2725	-297	7569444	-11111	-825000	184848
Madhya Pradesh	2242	92	71	6188	726	6693519	979469	784898	159509
Maharashtra	2191	102	72	6496	1056	6398767	1228748	1040489	231851
Manipur	90	32	25	254	40	802033	158074	126730	70723
Meghalaya	2146	78	65	4061	640	5194177	1136340	818515	153941
Mizoram	30	7	6	34	6	473936	137192	83047	49084
Nagaland	97	31	27	202	51	654639	176647	166472	53975
Odisha	10382	97	81	9595	1436	9854616	2056622	1474800	244903
Puducherry	990	82	66	4389	1075	5344740	1415337	1309581	193330
Punjab	889	64	52	2451	341	3800009	616423	528752	142426
Rajasthan	1175	69	55	4067	631	5880689	1069439	912180	178118
Sikkim	6952	259	218	24656	10608	9537513	4473546	4103303	217230
Tamil Nadu	900	82	68	2823	421	3441991	629896	512803	154601
Telangana	797	74	63	2426	501	3265740	775938	674647	149980
Tripura	68	36	30	253	54	708912	175033	151634	47809
Uttar Pradesh	1257	94	74	4679	638	4983578	794854	679401	146019
Uttarakhand	1778	165	133	9250	1832	5598826	1220541	1108704	157245
West Bengal	1391	79	61	4129	536	5232266	814192	679559	170381
<b>All India</b>	<b>1743</b>	<b>83</b>	<b>66</b>	<b>4539</b>	<b>679</b>	<b>5441088</b>	<b>977319</b>	<b>813676</b>	<b>176775</b>



## **6. Principal Characteristics by Broad Categories**

### **6.1 Principal Characteristics**

**6.1.1** Statements 10A and 10B respectively give the distribution of some of the selected parameters in absolute and percentage terms by broad categories of the factory sector covered in ASI.

**6.1.2** It may be observed that 92.90% of the operating factories covered in ASI 2020-21 are engaged in selected manufacturing activities, 0.68% are engaged in the generation, transmission and distribution of electricity, gas, water supply etc. and the remaining 6.42% in 'other' activity including cotton ginning, cleaning and baling, extraction of salt and some repair services etc. Though the units involved in generation, transmission and distribution of electricity, gas, water supply are a few in numbers, they account for about 10.98% of the total fixed capital as against 1.19% share by the 'other' activities. The selected manufacturing activities account for about 87.83% of the fixed capital. The selected manufacturing sector, consistent with its large number of factories, accounts for 95.93% of the value of total output, which is produced by 96.53% of the total persons engaged. The electricity, gas, water sector contributes about 2.14% to the total output and is produced by 0.57% of the total persons engaged. The corresponding share of the 'other' activities in the value of total output is 1.93% which is produced by 2.90% of the total persons engaged. Of the estimated total net value added by registered manufacturing sector of ₹ 13,35,78,860 Lakhs, ₹ 12,63,71,336 Lakhs (94.60%) originate from selected manufacturing activities, ₹ 50,37,280 Lakhs (3.77%) from electricity, gas, water supply, and the remaining ₹ 21,70,244 Lakhs (1.62%) come from the 'other' activities.

Statement 10A: Principal Characteristics by Broad Categories

<i>Characteristics</i>	<i>Unit</i>	<i>Selected Manufacturing</i>	<i>Electricity, Gas, Water Supply</i>	<i>Others</i>	<i>Total</i>
Factories in Operation	Number	186169	1368	12859	200395
Fixed Capital	₹ Lakhs	324477953	40570748	4389860	369438562
Productive Capital	₹ Lakhs	434133465	39320291	6893881	480347637
Invested Capital	₹ Lakhs	470456822	41526779	7130709	519114310
Workers	Number	12194833	71373	328357	12594563
Total Persons Engaged	Number	15530911	92422	466367	16089700
Wages to Workers	₹ Lakhs	21557370	191371	512807	22261548
Total Emoluments	₹ Lakhs	46871544	459702	1057786	48389031
Total Input	₹ Lakhs	693264003	11504195	14438343	719206541
Total Output	₹ Lakhs	845050576	18870409	17000402	880921387
GVA	₹ Lakhs	151786573	7366214	2562059	161714846
Depreciation	₹ Lakhs	25415237	2328934	391815	28135986
NVA	₹ Lakhs	126371336	5037280	2170244	133578860
Rent Paid for Fixed Assets	₹ Lakhs	437123	20155	24050	481328
Interest Paid	₹ Lakhs	14340782	2642359	366678	17349819
Net Income	₹ Lakhs	111593432	2374765	1779517	115747714
Net Profit	₹ Lakhs	58937985	1847151	620617	61405752

**Statement 10B: Principal Characteristics by Broad Categories  
(Percentage Distribution)**

<i>Characteristics</i>	<i>Selected Manufacturing</i>	<i>Electricity, Gas, Water Supply</i>	<i>Others</i>	<i>Total</i>
Factories in Operation	92.90	0.68	6.42	100.00
Fixed Capital	87.83	10.98	1.19	100.00
Productive Capital	90.38	8.19	1.44	100.00
Invested Capital	90.63	8.00	1.37	100.00
Workers	96.83	0.57	2.61	100.00
Total Persons Engaged	96.53	0.57	2.90	100.00
Wages to Workers	96.84	0.86	2.30	100.00
Total Emoluments	96.86	0.95	2.19	100.00
Total Input	96.39	1.60	2.01	100.00
Total Output	95.93	2.14	1.93	100.00
GVA	93.86	4.56	1.58	100.00
Depreciation	90.33	8.28	1.39	100.00
NVA	94.60	3.77	1.62	100.00
Rent Paid for Fixed Assets	90.82	4.19	5.00	100.00
Interest Paid	82.66	15.23	2.11	100.00
Net Income	96.41	2.05	1.54	100.00
Net Profit	95.98	3.01	1.01	100.00

## ***7. Distribution of Factories in Operation by Size of Employment***

### **7.1 *Principal Characteristics***

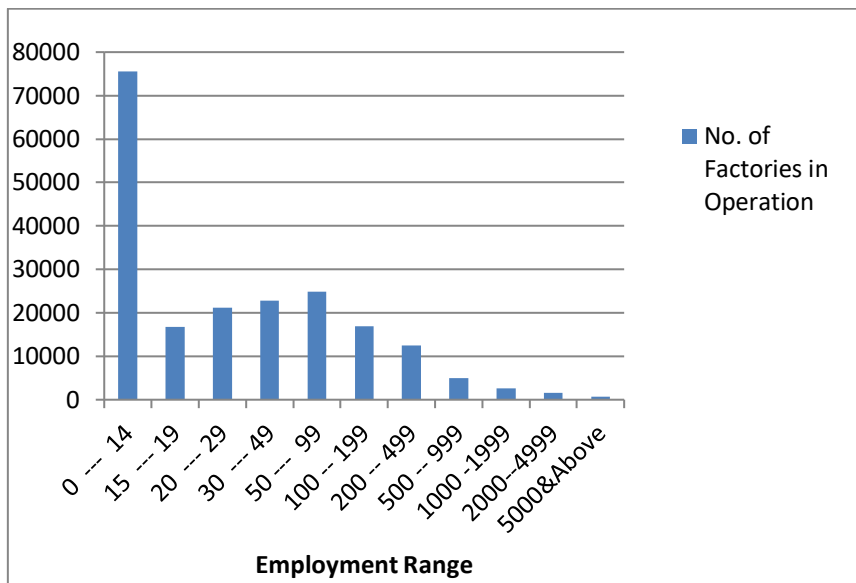
**7.1.1** Statements 11A and 11B respectively present the distribution of factories in operation belonging to the whole factory sector, in absolute and percentage terms, by size class of employment and also some selected characteristics associated with them. Statements 11A and 11B indicate a skewed distribution in the sense that there are larger number of factories with low employment size and a few factories with higher employment size. For example, out of an estimated number of 2,00,395 factories in operation, 1,36,371 factories are found to employ only less than 50 employees each. Further, there is, by and large, heavy concentration of various attributes like fixed capital, output, net value added etc., among the factories belonging to the higher employment size classes. While the lower size classes (up to employment size of 50) has largest concentration of operating factories (68.05%), it utilizes only 8.23% of the fixed capital, provides employment to 13.35% of the total persons engaged, produces 11.56% of the total output and generates 7.21% to the net value added. On the other hand, the operating factories, each employing at least 200 employees, constitute 11.17% of the operating factories, utilize 79.27% of the total fixed capital, provide gainful employment to 63.27% of the total persons engaged, produce 69.77% of the total output and generate 76.49% of net value added by manufacture. The very large operating factories, employing 5,000 or more employees each, constitute only 0.35% of the operating factories, however, engage 8.91% of total persons engaged, utilize 24.21% of the fixed capital, produce 14.06% of total output and contribute 13.00% to the net value added.

**7.1.2** Statements 12A and 12B present the distribution of factories in operation belonging to selected manufacturing sector only, in absolute and percentage terms, by size class of employment as also certain selected characteristics associated with them.

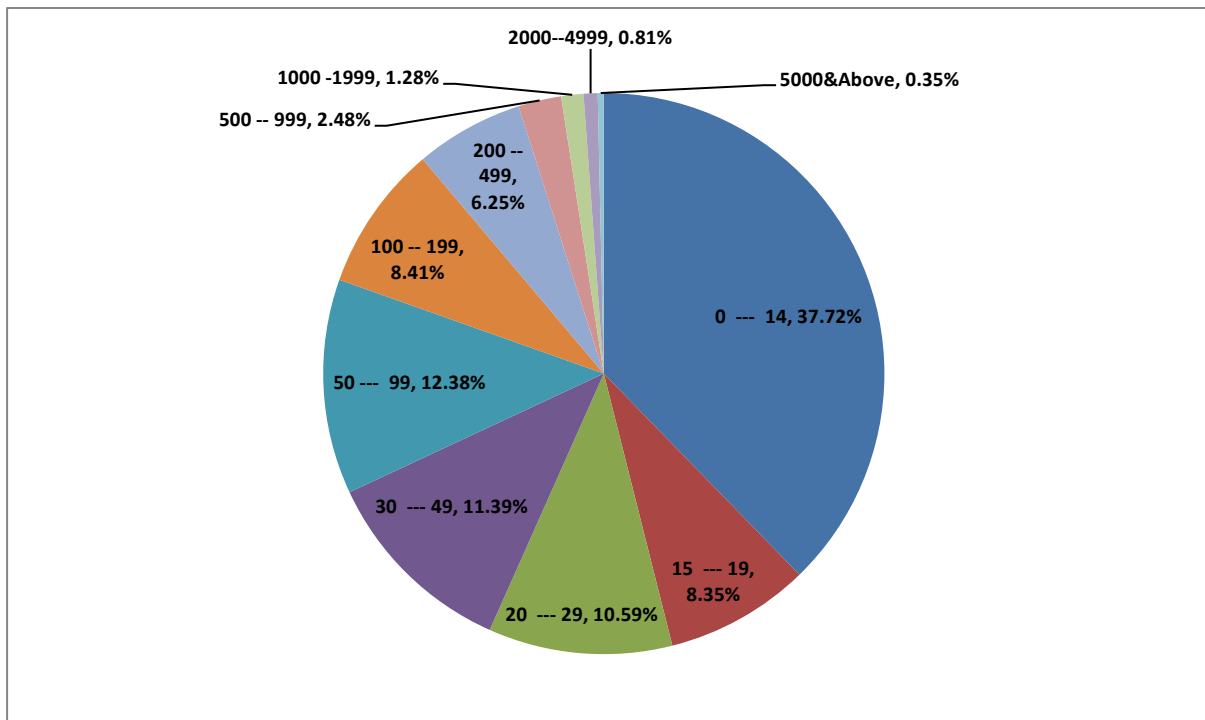
**7.1.3** Statement 13A and 13B give the distribution of operating factories by size of employment for each State/UT in absolute and percentage terms respectively for the whole factory sector. Statement 14A and 14B give the distribution of operating factories by size of employment for each State/UT in absolute and percentage terms respectively for selected manufacturing sector only.

**7.1.4** Figure 7 and Figure 8 graphically display the distribution of operating factories in the factory sector in absolute and percentage term respectively.

**Figure 7: Distribution of Factories in Operation by Size of Employment: All –India**



**Figure 8: Percentage Distribution of Factories in Operation by Size of Employment: All - India**



Statement 11A : Principal Characteristics by Size of Employment

<i>Employment Range</i>	<i>Factories in Operation (Number)</i>	<i>Fixed Capital (₹ Lakhs)</i>	<i>Working Capital (₹ Lakhs)</i>	<i>Productive Capital (₹ Lakhs)</i>	<i>Invested Capital (₹ Lakhs)</i>	<i>Workers (Number)</i>	<i>Total Persons Engaged (Number)</i>	<i>Wages to Workers (₹ Lakhs)</i>
0 --- 14	75584	11190522	4360352	15550873	16249217	329287	505088	375055
15 --- 19	16736	3498499	3068537	6567036	6315551	198424	280125	250801
20 --- 29	21230	6099803	3772482	9872285	10399660	370559	505162	490853
30 --- 49	22821	9589969	6634218	16224188	15719657	646998	856841	862224
50 --- 99	24799	19591590	11469862	31061452	30809451	1288801	1657497	1748340
100 -- 199	16860	26642662	15808438	42451100	44018389	1648170	2105275	2459513
200 -- 499	12523	48343794	21472253	69816047	74678212	2434890	3095384	4112180
500 -- 999	4966	45169131	17797340	62966470	68649563	1779597	2250327	3371454
1000 -1999	2567	52679271	12414043	65093314	70221124	1460006	1857051	3100440
2000--4999	1615	57183978	8955529	66139507	74827214	1226040	1542951	2603411
5000&Above	695	89449344	5156021	94605365	107226272	1211790	1433999	2887277
<b>Total</b>	<b>200395</b>	<b>369438562</b>	<b>110909076</b>	<b>480347637</b>	<b>519114310</b>	<b>12594563</b>	<b>16089700</b>	<b>22261548</b>

<i>Employment Range</i>	<i>Total Emoluments (₹ Lakhs)</i>	<i>Total Input (₹ Lakhs)</i>	<i>Total Output (₹ Lakhs)</i>	<i>Gross Value Added (₹ Lakhs)</i>	<i>Depreciation (₹ Lakhs)</i>	<i>Net Value Added (₹ Lakhs)</i>	<i>Rent Paid for Fixed Assets (₹ Lakhs)</i>	<i>Interest Paid (₹ Lakhs)</i>
0 --- 14	760116	20795523	23565220	2769697	910181	1859516	13416	729467
15 --- 19	526912	12780635	14249281	1468646	290199	1178447	4586	314371
20 --- 29	1038341	23221187	26079075	2857888	555766	2302122	15456	562189
30 --- 49	1836399	32681214	37887122	5205908	899622	4306287	22076	831104
50 --- 99	3757294	60421998	70553302	10131303	1714235	8417068	41436	1436098
100 -- 199	5423696	78187210	93946290	15759080	2413624	13345456	45556	1520299
200 -- 499	8898036	118673238	146603764	27930526	4301327	23629199	48851	2836772
500 -- 999	7413503	95488951	121043895	25554944	3720582	21834361	59442	2277037
1000 -1999	6792880	84340501	110075075	25734574	4063404	21671170	57577	2257609
2000--4999	5927764	91021932	113061769	22039837	4372649	17667188	29257	1955239
5000&Above	6014091	101594152	123856595	22262443	4894397	17368046	143674	2629632
<b>Total</b>	<b>48389031</b>	<b>719206541</b>	<b>880921387</b>	<b>161714846</b>	<b>28135986</b>	<b>133578860</b>	<b>481328</b>	<b>17349819</b>

Statement 11B : Principal Characteristics by Size of Employment (Percentage Distribution)

<i>Employment Range</i>	<i>Factories in Operation</i>	<i>Fixed Capital</i>	<i>Working Capital</i>	<i>Productive Capital</i>	<i>Invested Capital</i>	<i>Workers</i>	<i>Total Persons Engaged</i>	<i>Wages to Workers</i>
0 --- 14	37.72	3.03	3.93	3.24	3.13	2.61	3.14	1.68
15 --- 19	8.35	0.95	2.77	1.37	1.22	1.58	1.74	1.13
20 --- 29	10.59	1.65	3.40	2.06	2.00	2.94	3.14	2.20
30 --- 49	11.39	2.60	5.98	3.38	3.03	5.14	5.33	3.87
50 --- 99	12.38	5.30	10.34	6.47	5.94	10.23	10.30	7.85
100 -- 199	8.41	7.21	14.25	8.84	8.48	13.09	13.08	11.05
200 -- 499	6.25	13.09	19.36	14.53	14.39	19.33	19.24	18.47
500 -- 999	2.48	12.23	16.05	13.11	13.22	14.13	13.99	15.14
1000 -1999	1.28	14.26	11.19	13.55	13.53	11.59	11.54	13.93
2000--4999	0.81	15.48	8.07	13.77	14.41	9.73	9.59	11.69
5000&Above	0.35	24.21	4.65	19.70	20.66	9.62	8.91	12.97
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

<i>Employment Range</i>	<i>Total Emoluments</i>	<i>Total Input</i>	<i>Total Output</i>	<i>Gross Value Added</i>	<i>Depreciation</i>	<i>Net Value Added</i>	<i>Rent Paid for Fixed Assets</i>	<i>Interest Paid</i>
0 --- 14	1.57	2.89	2.68	1.71	3.23	1.39	2.79	4.20
15 --- 19	1.09	1.78	1.62	0.91	1.03	0.88	0.95	1.81
20 --- 29	2.15	3.23	2.96	1.77	1.98	1.72	3.21	3.24
30 --- 49	3.80	4.54	4.30	3.22	3.20	3.22	4.59	4.79
50 --- 99	7.76	8.40	8.01	6.26	6.09	6.30	8.61	8.28
100 -- 199	11.21	10.87	10.66	9.74	8.58	9.99	9.46	8.76
200 -- 499	18.39	16.50	16.64	17.27	15.29	17.69	10.15	16.35
500 -- 999	15.32	13.28	13.74	15.80	13.22	16.35	12.35	13.12
1000 -1999	14.04	11.73	12.50	15.91	14.44	16.22	11.96	13.01
2000--4999	12.25	12.66	12.83	13.63	15.54	13.23	6.08	11.27
5000&Above	12.43	14.13	14.06	13.77	17.40	13.00	29.85	15.16
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

**Statement 12A : Principal Characteristics by Size of Employment (Only for Selected Manufacturing Sector)**

<b>Employment Range</b>	<b>Factories in Operation (Number)</b>	<b>Fixed Capital (₹ Lakhs)</b>	<b>Working Capital (₹ Lakhs)</b>	<b>Productive Capital (₹ Lakhs)</b>	<b>Invested Capital (₹ Lakhs)</b>	<b>Workers (Number)</b>	<b>Total Persons Engaged (Number)</b>	<b>Wages to Workers (₹ Lakhs)</b>
0 --- 14	69727	6416467	4365766	10782233	11081799	304087	463868	342441
15 --- 19	15282	2738204	2902919	5641122	5394797	182344	255938	228956
20 --- 29	19412	4291566	3533996	7825562	8319996	340873	462452	450393
30 --- 49	21369	7042495	5988974	13031469	12815107	610460	804361	805230
50 --- 99	23073	14843208	11104695	25947903	25509937	1214387	1550194	1629605
100 -- 199	15997	23516783	15890059	39406842	40335837	1586139	2018562	2356979
200 -- 499	11941	43250626	21431662	64682288	69059323	2369229	3005677	3975898
500 -- 999	4709	38775979	17480071	56256050	61880162	1739301	2199216	3282062
1000 -1999	2426	40391462	13445086	53836548	57536073	1422976	1810435	3022172
2000--4999	1539	53761819	8356263	62118083	71297519	1213246	1526210	2576357
5000&Above	695	89449344	5156021	94605365	107226272	1211790	1433999	2887277
<b>Total</b>	<b>186169</b>	<b>324477953</b>	<b>109655512</b>	<b>434133465</b>	<b>470456822</b>	<b>12194833</b>	<b>15530911</b>	<b>21557370</b>

<b>Employment Range</b>	<b>Total Emoluments (₹ Lakhs)</b>	<b>Total Input (₹ Lakhs)</b>	<b>Total Output (₹ Lakhs)</b>	<b>Gross Value Added (₹ Lakhs)</b>	<b>Depreciation (₹ Lakhs)</b>	<b>Net Value Added (₹ Lakhs)</b>	<b>Rent Paid for Fixed Assets (₹ Lakhs)</b>	<b>Interest Paid (₹ Lakhs)</b>
0 --- 14	691969	18411086	20514781	2103695	630245	1473450	10056	426441
15 --- 19	481846	11583855	12850624	1266770	245283	1021486	4000	246618
20 --- 29	956832	21361054	23840268	2479215	444978	2034237	10481	411645
30 --- 49	1716999	30893193	35487209	4594015	729910	3864106	18634	613440
50 --- 99	3501925	56620523	65647653	9027131	1450225	7576906	31855	1063228
100 -- 199	5199962	75084187	89944756	14860569	2217704	12642865	40850	1386941
200 -- 499	8604777	115908464	142417046	26508582	3934303	22574279	45274	2449308
500 -- 999	7225462	93053485	117282290	24228805	3386264	20842541	48587	1845228
1000 -1999	6608259	78822655	102021940	23199285	3413474	19785811	56939	1492661
2000--4999	5869422	89931350	111187413	21256063	4068454	17187609	26772	1775639
5000&Above	6014091	101594152	123856595	22262443	4894397	17368046	143674	2629632
<b>Total</b>	<b>46871544</b>	<b>693264003</b>	<b>845050576</b>	<b>151786573</b>	<b>25415237</b>	<b>126371336</b>	<b>437123</b>	<b>14340782</b>



**Statement 12B : Principal Characteristics by Size of Employment (Only for Selected Manufacturing Sector)  
(Percentage Distribution)**

<i>Employment Range</i>	<i>Factories in Operation</i>	<i>Fixed Capital</i>	<i>Working Capital</i>	<i>Productive Capital</i>	<i>Invested Capital</i>	<i>Workers</i>	<i>Total Persons Engaged</i>	<i>Wages to Workers</i>
0 --- 14	37.45	1.98	3.98	2.48	2.36	2.49	2.99	1.59
15 --- 19	8.21	0.84	2.65	1.30	1.15	1.50	1.65	1.06
20 --- 29	10.43	1.32	3.22	1.80	1.77	2.80	2.98	2.09
30 --- 49	11.48	2.17	5.46	3.00	2.72	5.01	5.18	3.74
50 --- 99	12.39	4.57	10.13	5.98	5.42	9.96	9.98	7.56
100 -- 199	8.59	7.25	14.49	9.08	8.57	13.01	13.00	10.93
200 -- 499	6.41	13.33	19.54	14.90	14.68	19.43	19.35	18.44
500 -- 999	2.53	11.95	15.94	12.96	13.15	14.26	14.16	15.22
1000 -1999	1.30	12.45	12.26	12.40	12.23	11.67	11.66	14.02
2000--4999	0.83	16.57	7.62	14.31	15.15	9.95	9.83	11.95
5000&Above	0.37	27.57	4.70	21.79	22.79	9.94	9.23	13.39
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

<i>Employment Range</i>	<i>Total Emoluments</i>	<i>Total Input</i>	<i>Total Output</i>	<i>Gross Value Added</i>	<i>Depreciation</i>	<i>Net Value Added</i>	<i>Rent Paid for Fixed Assets</i>	<i>Interest Paid</i>
0 --- 14	1.48	2.66	2.43	1.39	2.48	1.17	2.30	2.97
15 --- 19	1.03	1.67	1.52	0.83	0.97	0.81	0.92	1.72
20 --- 29	2.04	3.08	2.82	1.63	1.75	1.61	2.40	2.87
30 --- 49	3.66	4.46	4.20	3.03	2.87	3.06	4.26	4.28
50 --- 99	7.47	8.17	7.77	5.95	5.71	6.00	7.29	7.41
100 -- 199	11.09	10.83	10.64	9.79	8.73	10.00	9.35	9.67
200 -- 499	18.36	16.72	16.85	17.46	15.48	17.86	10.36	17.08
500 -- 999	15.42	13.42	13.88	15.96	13.32	16.49	11.12	12.87
1000 -1999	14.10	11.37	12.07	15.28	13.43	15.66	13.03	10.41
2000--4999	12.52	12.97	13.16	14.00	16.01	13.60	6.12	12.38
5000&Above	12.83	14.65	14.66	14.67	19.26	13.74	32.87	18.34
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Statement 13A : Distribution of Factories in Operation by Size of Employment for each State/UT

State/UT	Employment Size											No. of Workers	Total Persons Engaged	
	0 --- 14	15 --- 19	20 --- 29	30 --- 49	50 --- 99	100 -- 199	200 -- 499	500 -- 999	1000 -- 1999	2000 -- 4999	5000 & Above			Total
A&N Islands	5	0	1	6	0	0	0	0	0	0	0	12	178	230
Andhra Pradesh	7649	1046	952	764	891	423	462	205	92	45	15	12544	528539	654708
Arunachal Pradesh	63	10	9	13	8	5	0	0	0	0	0	108	1742	2355
Assam	1918	254	295	620	901	548	118	13	19	2	1	4688	215526	260393
Bihar	1339	170	166	191	598	245	55	16	4	1	0	2784	106005	126219
Chandigarh	114	20	0	13	29	9	8	3	0	0	0	195	5716	9144
Chattisgarh	1962	483	319	285	285	143	135	41	17	22	60	3753	184412	229538
Dadra & N Haveli & Daman & Diu	401	97	305	274	297	283	266	96	54	23	24	2120	191316	241124
Delhi	926	264	343	252	272	180	137	26	10	1	0	2410	69257	101742
Goa	156	81	31	116	98	81	77	22	20	8	0	690	58440	82881
Gujarat	8118	2269	2602	2964	2978	1899	1445	586	223	262	32	23376	1568416	2054221
Haryana	1902	649	1012	1303	1523	1005	805	287	149	84	18	8737	820485	1036575
Himachal Pradesh	574	127	232	242	303	271	138	66	35	2	0	1990	138718	213748
Jammu and Kashmir	429	83	63	86	86	62	62	25	1	1	1	899	51011	65448
Jharkhand	998	134	241	291	239	103	64	40	14	8	33	2165	150059	187630
Karnataka	3533	862	1179	1219	1421	911	862	407	282	165	106	10948	768249	996680
Kerala	3127	595	914	675	823	406	274	132	112	51	3	7113	247907	314152
Ladakh	0	0	0	1	0	1	0	0	0	0	0	2	136	175
Madhya Pradesh	1667	387	493	469	468	398	246	92	77	34	5	4335	297800	390369
Maharashtra	5846	1615	2170	2445	2674	2267	1805	657	364	132	42	20017	1394957	1958888
Manipur	78	27	29	39	22	6	0	1	0	0	0	202	5108	6364
Meghalaya	79	18	17	11	16	7	9	3	3	0	0	163	10258	12354
Mizoram	193	6	4	1	1	0	0	0	0	0	0	205	1202	1467
Nagaland	109	16	17	8	32	5	0	1	0	0	0	188	4732	5466
Odisha	1580	255	288	241	173	131	111	64	28	12	19	2902	230920	279366
Puducherry	264	50	76	51	77	49	57	25	4	1	0	653	42272	52663
Punjab	3510	1286	1484	1725	1533	542	358	141	100	45	6	10730	544806	676840
Rajasthan	3187	801	935	1206	1107	754	524	140	63	48	7	8772	475592	599660
Sikkim	9	1	3	8	17	13	17	8	6	0	0	82	17508	20786
Tamil Nadu	11485	2278	3155	3308	3800	2862	2398	1015	518	480	247	31546	2046453	2488428
Telangana	6116	734	942	930	969	516	410	202	105	46	43	11013	664937	790098
Tripura	371	16	28	25	149	59	7	1	0	0	0	656	18829	22827
Uttar Pradesh	3908	1166	1702	1639	1681	1569	946	333	106	45	15	13112	898469	1142206
Uttarakhand	384	176	283	368	296	384	306	128	60	21	5	2411	313534	389553
West Bengal	3584	761	941	1031	1032	722	421	190	101	76	13	8872	521076	675402
<b>All India</b>	<b>75584</b>	<b>16736</b>	<b>21230</b>	<b>22821</b>	<b>24799</b>	<b>16860</b>	<b>12523</b>	<b>4966</b>	<b>2567</b>	<b>1615</b>	<b>695</b>	<b>200395</b>	<b>12594563</b>	<b>16089700</b>

Statement 13B : Percentage Distribution of Factories in Operation by Size of Employment for each State/UT

State/UT	Employment Size											No. of Workers	Total Persons Engaged	
	0 --- 14	15 --- 19	20 --- 29	30 --- 49	50 --- 99	100 -- 199	200 -- 499	500 -- 999	1000 - 1999	2000-- 4999	5000 & Above			Total
A&N Islands	41.67	0.00	8.33	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
Andhra Pradesh	60.98	8.34	7.59	6.09	7.10	3.37	3.68	1.63	0.73	0.36	0.12	100.00	4.20	4.07
Arunachal Pradesh	58.33	9.26	8.33	12.04	7.41	4.63	0.00	0.00	0.00	0.00	0.00	100.00	0.01	0.01
Assam	40.91	5.42	6.29	13.23	19.22	11.69	2.52	0.28	0.41	0.04	0.02	100.00	1.71	1.62
Bihar	48.10	6.11	5.96	6.86	21.48	8.80	1.98	0.57	0.14	0.04	0.00	100.00	0.84	0.78
Chandigarh	58.46	10.26	0.00	6.67	14.87	4.62	4.10	1.54	0.00	0.00	0.00	100.00	0.05	0.06
Chattisgarh	52.28	12.87	8.50	7.59	7.59	3.81	3.60	1.09	0.45	0.59	1.60	100.00	1.46	1.43
Dadra & N Haveli & Daman & Diu	18.92	4.58	14.39	12.92	14.01	13.35	12.55	4.53	2.55	1.08	1.13	100.00	1.52	1.50
Delhi	38.42	10.95	14.23	10.46	11.29	7.47	5.68	1.08	0.41	0.04	0.00	100.00	0.55	0.63
Goa	22.61	11.74	4.49	16.81	14.20	11.74	11.16	3.19	2.90	1.16	0.00	100.00	0.46	0.52
Gujarat	34.73	9.71	11.13	12.68	12.74	8.12	6.18	2.51	0.95	1.12	0.14	100.00	12.45	12.77
Haryana	21.77	7.43	11.58	14.91	17.43	11.50	9.21	3.28	1.71	0.96	0.21	100.00	6.51	6.44
Himachal Pradesh	28.84	6.38	11.66	12.16	15.23	13.62	6.93	3.32	1.76	0.10	0.00	100.00	1.10	1.33
Jammu and Kashmir	47.72	9.23	7.01	9.57	9.57	6.90	6.90	2.78	0.11	0.11	0.11	100.00	0.41	0.41
Jharkhand	46.10	6.19	11.13	13.44	11.04	4.76	2.96	1.85	0.65	0.37	1.52	100.00	1.19	1.17
Karnataka	32.27	7.87	10.77	11.13	12.98	8.32	7.87	3.72	2.58	1.51	0.97	100.00	6.10	6.19
Kerala	43.96	8.36	12.85	9.49	11.57	5.71	3.85	1.86	1.57	0.72	0.04	100.00	1.97	1.95
Ladakh	0.00	0.00	0.00	50.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
Madhya Pradesh	38.45	8.93	11.37	10.82	10.80	9.18	5.67	2.12	1.78	0.78	0.12	100.00	2.36	2.43
Maharashtra	29.21	8.07	10.84	12.21	13.36	11.33	9.02	3.28	1.82	0.66	0.21	100.00	11.08	12.17
Manipur	38.61	13.37	14.36	19.31	10.89	2.97	0.00	0.50	0.00	0.00	0.00	100.00	0.04	0.04
Meghalaya	48.47	11.04	10.43	6.75	9.82	4.29	5.52	1.84	1.84	0.00	0.00	100.00	0.08	0.08
Mizoram	94.15	2.93	1.95	0.49	0.49	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.01	0.01
Nagaland	57.98	8.51	9.04	4.26	17.02	2.66	0.00	0.53	0.00	0.00	0.00	100.00	0.04	0.03
Odisha	54.45	8.79	9.92	8.30	5.96	4.51	3.82	2.21	0.96	0.41	0.65	100.00	1.83	1.74
Puducherry	40.43	7.66	11.64	7.81	11.79	7.50	8.73	3.83	0.61	0.15	0.00	100.00	0.34	0.33
Punjab	32.71	11.99	13.83	16.08	14.29	5.05	3.34	1.31	0.93	0.42	0.06	100.00	4.33	4.21
Rajasthan	36.33	9.13	10.66	13.75	12.62	8.60	5.97	1.60	0.72	0.55	0.08	100.00	3.78	3.73
Sikkim	10.98	1.22	3.66	9.76	20.73	15.85	20.73	9.76	7.32	0.00	0.00	100.00	0.14	0.13
Tamil Nadu	36.41	7.22	10.00	10.49	12.05	9.07	7.60	3.22	1.64	1.52	0.78	100.00	16.25	15.47
Telangana	55.53	6.66	8.55	8.44	8.80	4.69	3.72	1.83	0.95	0.42	0.39	100.00	5.28	4.91
Tripura	56.55	2.44	4.27	3.81	22.71	8.99	1.07	0.15	0.00	0.00	0.00	100.00	0.15	0.14
Uttar Pradesh	29.80	8.89	12.98	12.50	12.82	11.97	7.21	2.54	0.81	0.34	0.11	100.00	7.13	7.10
Uttarakhand	15.93	7.30	11.74	15.26	12.28	15.93	12.69	5.31	2.49	0.87	0.21	100.00	2.49	2.42
West Bengal	40.40	8.58	10.61	11.62	11.63	8.14	4.75	2.14	1.14	0.86	0.15	100.00	4.14	4.20
<b>All India</b>	<b>37.72</b>	<b>8.35</b>	<b>10.59</b>	<b>11.39</b>	<b>12.38</b>	<b>8.41</b>	<b>6.25</b>	<b>2.48</b>	<b>1.28</b>	<b>0.81</b>	<b>0.35</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

**Statement 14A : Distribution of Factories in Operation by Size of Employment for each State/UT  
(Only for Selected Manufacturing Sector)**

State/UT	Employment Size											No. of Workers	Total Persons Engaged	
	0 --- 14	15 --- 19	20 --- 29	30 --- 49	50 --- 99	100 -- 199	200 -- 499	500 -- 999	1000 - 1999	2000-- 4999	5000 & Above			Total
A&N Islands	4	0	1	3	0	0	0	0	0	0	0	8	118	147
Andhra Pradesh	6996	928	834	632	746	404	452	197	92	45	15	11340	504440	622954
Arunachal Pradesh	63	10	9	13	8	5	0	0	0	0	0	108	1742	2355
Assam	1829	238	278	611	870	543	117	13	19	2	1	4520	212862	256082
Bihar	1185	145	130	181	589	232	52	16	4	1	0	2535	103411	122228
Chandigarh	101	20	0	12	11	5	8	3	0	0	0	160	4676	7370
Chattisgarh	1891	445	304	267	252	128	125	39	17	22	60	3551	175852	217633
Dadra & N Haveli & Daman & Diu	401	97	305	274	297	283	266	96	54	23	24	2120	191316	241124
Delhi	854	218	337	232	235	133	97	17	5	1	0	2129	56838	83480
Goa	152	81	30	108	80	64	76	22	20	8	0	641	56225	79260
Gujarat	7427	2134	2377	2863	2853	1843	1412	571	219	190	32	21921	1529604	2001740
Haryana	1819	626	941	1270	1470	963	790	281	148	84	18	8410	808122	1015561
Himachal Pradesh	528	123	209	201	287	268	135	66	33	2	0	1853	133765	206513
Jammu and Kashmir	418	83	62	86	84	57	59	21	0	1	1	872	48536	61076
Jharkhand	963	125	209	268	206	93	62	33	14	8	33	2013	144292	179013
Karnataka	3103	752	1037	1138	1297	840	761	361	207	165	106	9766	736741	952492
Kerala	2890	480	776	589	689	359	274	132	112	51	3	6356	231653	291014
Ladakh	0	0	0	1	0	0	0	0	0	0	0	1	33	36
Madhya Pradesh	1479	360	444	421	427	385	242	89	69	33	5	3953	278961	365451
Maharashtra	5388	1467	2019	2311	2491	2128	1728	653	352	132	42	18712	1353921	1899719
Manipur	76	26	29	36	22	6	0	1	0	0	0	196	4980	6199
Meghalaya	74	18	16	10	15	6	9	3	3	0	0	154	10035	12039
Mizoram	175	6	4	1	1	0	0	0	0	0	0	187	1092	1339
Nagaland	92	14	16	8	30	5	0	1	0	0	0	166	4491	5130
Odisha	1525	244	270	236	164	119	99	53	27	12	19	2768	224247	269514
Puducherry	255	50	70	46	76	49	56	25	4	1	0	631	41591	51811
Punjab	3290	1219	1451	1669	1482	514	352	141	93	45	6	10262	535192	661810
Rajasthan	3075	760	872	1143	1027	739	513	123	62	47	7	8368	459374	578758
Sikkim	8	1	3	8	16	13	17	8	6	0	0	80	17411	20681
Tamil Nadu	10634	2091	2967	3086	3621	2768	2248	939	515	480	247	29596	1999606	2427219
Telangana	5711	690	785	797	779	421	349	170	87	44	43	9877	620291	733778
Tripura	345	13	27	22	146	58	6	1	0	0	0	618	18394	22061
Uttar Pradesh	3289	949	1497	1491	1535	1490	929	332	104	45	15	11676	866748	1096191
Uttarakhand	350	175	272	356	281	378	303	126	60	21	5	2328	310584	384621
West Bengal	3337	693	829	979	988	696	406	176	100	76	13	8294	507692	654510
<b>All India</b>	<b>69727</b>	<b>15282</b>	<b>19412</b>	<b>21369</b>	<b>23073</b>	<b>15997</b>	<b>11941</b>	<b>4709</b>	<b>2426</b>	<b>1539</b>	<b>695</b>	<b>186169</b>	<b>12194833</b>	<b>15530911</b>

Statement 14B : Percentage Distribution of Factories in Operation by Size of Employment for each State/UT

Section 7

(Only for Selected Manufacturing Sector)

State/UT	Employment Size												No. of Workers	Total Persons Engaged
	0 --- 14	15 --- 19	20 --- 29	30 --- 49	50 --- 99	100 -- 199	200 -- 499	500 -- 999	1000 - 1999	2000-- 4999	5000 & Above	Total		
A&N Islands	50.00	0.00	12.50	37.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
Andhra Pradesh	61.69	8.18	7.35	5.57	6.58	3.56	3.99	1.74	0.81	0.40	0.13	100.00	4.14	4.01
Arunachal Pradesh	58.33	9.26	8.33	12.04	7.41	4.63	0.00	0.00	0.00	0.00	0.00	100.00	0.01	0.02
Assam	40.46	5.27	6.15	13.52	19.25	12.01	2.59	0.29	0.42	0.04	0.02	100.00	1.75	1.65
Bihar	46.75	5.72	5.13	7.14	23.23	9.15	2.05	0.63	0.16	0.04	0.00	100.00	0.85	0.79
Chandigarh	63.13	12.50	0.00	7.50	6.88	3.13	5.00	1.88	0.00	0.00	0.00	100.00	0.04	0.05
Chattisgarh	53.25	12.53	8.56	7.52	7.10	3.60	3.52	1.10	0.48	0.62	1.69	100.00	1.44	1.40
Dadra & N Haveli & Daman & Diu	18.92	4.58	14.39	12.92	14.01	13.35	12.55	4.53	2.55	1.08	1.13	100.00	1.57	1.55
Delhi	40.11	10.24	15.83	10.90	11.04	6.25	4.56	0.80	0.23	0.05	0.00	100.00	0.47	0.54
Goa	23.71	12.64	4.68	16.85	12.48	9.98	11.86	3.43	3.12	1.25	0.00	100.00	0.46	0.51
Gujarat	33.88	9.73	10.84	13.06	13.01	8.41	6.44	2.60	1.00	0.87	0.15	100.00	12.54	12.89
Haryana	21.63	7.44	11.19	15.10	17.48	11.45	9.39	3.34	1.76	1.00	0.21	100.00	6.63	6.54
Himachal Pradesh	28.49	6.64	11.28	10.85	15.49	14.46	7.29	3.56	1.78	0.11	0.00	100.00	1.10	1.33
Jammu and Kashmir	47.94	9.52	7.11	9.86	9.63	6.54	6.77	2.41	0.00	0.11	0.11	100.00	0.40	0.39
Jharkhand	47.84	6.21	10.38	13.31	10.23	4.62	3.08	1.64	0.70	0.40	1.64	100.00	1.18	1.15
Karnataka	31.77	7.70	10.62	11.65	13.28	8.60	7.79	3.70	2.12	1.69	1.09	100.00	6.04	6.13
Kerala	45.47	7.55	12.21	9.27	10.84	5.65	4.31	2.08	1.76	0.80	0.05	100.00	1.90	1.87
Ladakh	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
Madhya Pradesh	37.41	9.11	11.23	10.65	10.80	9.74	6.12	2.25	1.75	0.83	0.13	100.00	2.29	2.35
Maharashtra	28.79	7.84	10.79	12.35	13.31	11.37	9.23	3.49	1.88	0.71	0.22	100.00	11.10	12.23
Manipur	38.78	13.27	14.80	18.37	11.22	3.06	0.00	0.51	0.00	0.00	0.00	100.00	0.04	0.04
Meghalaya	48.05	11.69	10.39	6.49	9.74	3.90	5.84	1.95	1.95	0.00	0.00	100.00	0.08	0.08
Mizoram	93.58	3.21	2.14	0.53	0.53	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.01	0.01
Nagaland	55.42	8.43	9.64	4.82	18.07	3.01	0.00	0.60	0.00	0.00	0.00	100.00	0.04	0.03
Odisha	55.09	8.82	9.75	8.53	5.92	4.30	3.58	1.91	0.98	0.43	0.69	100.00	1.84	1.74
Puducherry	40.41	7.92	11.09	7.29	12.04	7.77	8.87	3.96	0.63	0.16	0.00	100.00	0.34	0.33
Punjab	32.06	11.88	14.14	16.26	14.44	5.01	3.43	1.37	0.91	0.44	0.06	100.00	4.39	4.26
Rajasthan	36.75	9.08	10.42	13.66	12.27	8.83	6.13	1.47	0.74	0.56	0.08	100.00	3.77	3.73
Sikkim	10.00	1.25	3.75	10.00	20.00	16.25	21.25	10.00	7.50	0.00	0.00	100.00	0.14	0.13
Tamil Nadu	35.93	7.07	10.03	10.43	12.23	9.35	7.60	3.17	1.74	1.62	0.83	100.00	16.40	15.63
Telangana	57.82	6.99	7.95	8.07	7.89	4.26	3.53	1.72	0.88	0.45	0.44	100.00	5.09	4.72
Tripura	55.83	2.10	4.37	3.56	23.62	9.39	0.97	0.16	0.00	0.00	0.00	100.00	0.15	0.14
Uttar Pradesh	28.17	8.13	12.82	12.77	13.15	12.76	7.96	2.84	0.89	0.39	0.13	100.00	7.11	7.06
Uttarakhand	15.03	7.52	11.68	15.29	12.07	16.24	13.02	5.41	2.58	0.90	0.21	100.00	2.55	2.48
West Bengal	40.23	8.36	10.00	11.80	11.91	8.39	4.90	2.12	1.21	0.92	0.16	100.00	4.16	4.21
<b>All India</b>	<b>37.45</b>	<b>8.21</b>	<b>10.43</b>	<b>11.48</b>	<b>12.39</b>	<b>8.59</b>	<b>6.41</b>	<b>2.53</b>	<b>1.30</b>	<b>0.83</b>	<b>0.37</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

## ***8. Distribution of Factories in Operation by Size of Capital***

### **8.1 *Principal Characteristics***

**8.1.1** The Statements 15A and 15B give the distribution of factories by size of capital, namely, the gross value of plant and machinery installed in the factory and their shares in certain selected characteristics. Statement 15B shows that the factories with an investment in plant and machinery upto ₹ 5 Crores, account for 81.79% of the total factories which have operated during 2020-21. While these factories share 8.82% of total fixed capital to work with, they provide gainful employment to 37.86% of the total persons engaged. Their contribution to the total output and net value added by manufacture are 21.01% and 17.13% respectively. As against this, the operational factories, with gross investment in plant and machinery of ₹ 10 Crores & above, are very few (13.20%) in number, account for 88.99% of total fixed capital, 55.76% of total persons engaged, 73.77% of the gross output and 78.30% of the total net value added by manufacture.

Statement 15A: Principal Characteristics by Size of Capital

Capital Range (₹ Lakhs) *	Factories in Operation	Fixed Capital	Productive Capital	Invested Capital	Workers	Total Persons Engaged	Wages to Workers	Total Emoluments
	(Number)	(₹ Lakhs)	(₹ Lakhs)	(₹ Lakhs)	(Number)	(Number)	(₹ Lakhs)	(₹ Lakhs)
Upto 25	127581	21930719	44142763	42233251	3490610	4287953	4019867	6927747
25 -- 500	36327	10653063	22641161	21997145	1323807	1802961	1947968	4475474
500 -- 1000	10043	8095322	15806535	15575591	782447	1026667	1205201	2697381
1000 & above	26445	328759458	397757178	439308323	6997699	8972119	15088512	34288429
<b>Total</b>	<b>200395</b>	<b>369438562</b>	<b>480347637</b>	<b>519114310</b>	<b>12594563</b>	<b>16089700</b>	<b>22261548</b>	<b>48389031</b>

Capital Range (₹ Lakhs) *	Total Input	Total Output	Gross Value Added	Depreciation	Net Value Added	Rent Paid for Fixed Assets	Interest Paid
	(₹ Lakhs)	(₹ Lakhs)	(₹ Lakhs)	(₹ Lakhs)	(₹ Lakhs)	(₹ Lakhs)	(₹ Lakhs)
Upto 25	102533313	119202791	16669478	2402571	14266907	58760	2009198
25 -- 500	56230630	65863340	9632710	1014730	8617980	39073	1042680
500 -- 1000	39165686	46042693	6877007	769036	6107971	24955	673412
1000 & above	521276912	649812564	128535652	23949650	104586002	358540	13624528
<b>Total</b>	<b>719206541</b>	<b>880921387</b>	<b>161714846</b>	<b>28135986</b>	<b>133578860</b>	<b>481328</b>	<b>17349819</b>

\* In terms of Gross Value of Plant and Machinery

**Statement 15B: Principal Characteristics by Size of Capital  
(Percentage Distribution)**

<i>Capital Range (₹ Lakhs) *</i>	<i>Factories in Operation</i>	<i>Fixed Capital</i>	<i>Productive Capital</i>	<i>Invested Capital</i>	<i>Workers</i>	<i>Total Persons Engaged</i>	<i>Wages to Workers</i>	<i>Total Emoluments</i>
Upto 25	63.66	5.94	9.19	8.14	27.72	26.65	18.06	14.32
25 -- 500	18.13	2.88	4.71	4.24	10.51	11.21	8.75	9.25
500 -- 1000	5.01	2.19	3.29	3.00	6.21	6.38	5.41	5.57
1000 & above	13.20	88.99	82.81	84.63	55.56	55.76	67.78	70.86
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

<i>Capital Range (₹ Lakhs) *</i>	<i>Total Input</i>	<i>Total Output</i>	<i>Gross Value Added</i>	<i>Depreciation</i>	<i>Net Value Added</i>	<i>Rent Paid for Fixed Assets</i>	<i>Interest Paid</i>
Upto 25	14.26	13.53	10.31	8.54	10.68	12.21	11.58
25 -- 500	7.82	7.48	5.96	3.61	6.45	8.12	6.01
500 -- 1000	5.45	5.23	4.25	2.73	4.57	5.18	3.88
1000 & above	72.48	73.77	79.48	85.12	78.30	74.49	78.53
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

\* In terms of Gross Value of Plant and Machinery



## ***9. Distribution of Factories in Operation by Size of Total Output***

### ***9.1 Principal Characteristics***

**9.1.1** The distribution of factories along with related characteristics, classified by size class of total output, is presented in Statement 16A. The percentage distribution of these characteristics is given in Statement 16B. It is observed that 26.46% of the operating factories, that produce gross output up to one Crore, share 1.63% of fixed capital, provide employment to 3.57% of total persons engaged, pay emoluments to the extent of 1.13% of total emoluments, contribute 0.20% to the total output. Also, 36.95% of the operating factories, producing gross output of more than ₹ 10 Crores, consume 94.40% of fixed capital, provide 83.09% of total employment and pay 91.53% of total emoluments. This group of factories contributes 96.59% of total output and 96.39% of total net value added.

Statement 16A: Principal Characteristics by Total Output

Total Output Range (₹ Lakhs)	Factories in Operation	Fixed Capital	Productive Capital	Invested Capital	Workers	Total Persons Engaged	Wages to Workers	Total Emoluments
	(Number)	(₹ Lakhs)	(₹ Lakhs)	(₹ Lakhs)	(Number)	(Number)	(₹ Lakhs)	(₹ Lakhs)
Upto 25	25804	4388038	2818909	4986833	63910	108360	54975	132597
25 --- 50	9531	551027	697170	781714	94093	118754	64902	96347
50 -- 100	17678	1079724	2139560	1766921	289627	348322	216569	317478
100 -- 200	21364	2882015	4039100	3998831	387785	477780	366750	572162
200 -- 500	29853	5323548	8320935	8010966	607396	783436	743431	1307949
500 -- 1000	22130	6490334	9625128	10036106	682844	885130	889009	1672283
1000 -- 2000	21941	10727367	16319984	16912775	996830	1287258	1380484	2742993
2000 -- 5000	22324	20600506	32255771	33448206	1684217	2147447	2401761	4962365
5000 -- 10000	12255	22377427	35193773	36067382	1517809	1928579	2416124	5049032
10000 -- 50000	13189	65534683	98602433	104597559	3423781	4316417	5969433	12873818
50000 & above	4327	229483892	270334873	298507017	2846271	3688215	7758108	18662006
<b>Total</b>	<b>200395</b>	<b>369438562</b>	<b>480347637</b>	<b>519114310</b>	<b>12594563</b>	<b>16089700</b>	<b>22261548</b>	<b>48389031</b>

Total Output Range (₹ Lakhs)	Total Input	Total Output	Gross Value Added	Depreciation	Net Value Added	Rent Paid for Fixed Assets	Interest Paid
	(₹ Lakhs)	(₹ Lakhs)	(₹ Lakhs)	(₹ Lakhs)	(₹ Lakhs)	(₹ Lakhs)	(₹ Lakhs)
Upto 25	249444	117358	-132087	326872	-458959	1131	105859
25 --- 50	225124	350546	125421	37139	88282	1083	36291
50 -- 100	906876	1313521	406645	95402	311242	3945	57689
100 -- 200	2189546	3084588	895042	240007	655035	7649	131933
200 -- 500	7506301	9713035	2206735	471417	1735318	12803	336537
500 -- 1000	12340070	15434759	3094690	613036	2481654	17447	472044
1000 -- 2000	24277242	29888655	5611413	1040745	4570668	21567	891645
2000 -- 5000	54490816	65886303	11395487	2003495	9391992	38334	1619797
5000 -- 10000	61700403	74041434	12341030	2023661	10317369	36243	1714706
10000 -- 50000	173287745	210971087	37683342	5915633	31767710	99724	3720471
50000 & above	382032974	470120102	88087128	15368579	72718549	241402	8262848
<b>Total</b>	<b>719206541</b>	<b>880921387</b>	<b>161714846</b>	<b>28135986</b>	<b>133578860</b>	<b>481328</b>	<b>17349819</b>

**Statement 16B: Principal Characteristics by Total Output  
(Percentage Distribution)**

<b>Total Output (₹ Lakhs)</b>	<b>Factories in Operation</b>	<b>Fixed Capital</b>	<b>Productive Capital</b>	<b>Invested Capital</b>	<b>Workers</b>	<b>Total Persons Engaged</b>	<b>Wages to Workers</b>	<b>Total Emoluments</b>
Upto 25	12.88	1.19	0.59	0.96	0.51	0.67	0.25	0.27
25 --- 50	4.76	0.15	0.15	0.15	0.75	0.74	0.29	0.20
50 -- 100	8.82	0.29	0.45	0.34	2.30	2.16	0.97	0.66
100 -- 200	10.66	0.78	0.84	0.77	3.08	2.97	1.65	1.18
200 -- 500	14.90	1.44	1.73	1.54	4.82	4.87	3.34	2.70
500 -- 1000	11.04	1.76	2.00	1.93	5.42	5.50	3.99	3.46
1000 -- 2000	10.95	2.90	3.40	3.26	7.91	8.00	6.20	5.67
2000 -- 5000	11.14	5.58	6.72	6.44	13.37	13.35	10.79	10.26
5000 -- 10000	6.12	6.06	7.33	6.95	12.05	11.99	10.85	10.43
10000 -- 50000	6.58	17.74	20.53	20.15	27.18	26.83	26.81	26.60
50000 & above	2.16	62.12	56.28	57.50	22.60	22.92	34.85	38.57
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

<b>Total Output (₹ Lakhs)</b>	<b>Total Input</b>	<b>Total Output</b>	<b>Gross Value Added</b>	<b>Depreciation</b>	<b>Net Value Added</b>	<b>Rent Paid for Fixed Assets</b>	<b>Interest Paid</b>
Upto 25	0.03	0.01	-0.08	1.16	-0.34	0.23	0.61
25 --- 50	0.03	0.04	0.08	0.13	0.07	0.23	0.21
50 -- 100	0.13	0.15	0.25	0.34	0.23	0.82	0.33
100 -- 200	0.30	0.35	0.55	0.85	0.49	1.59	0.76
200 -- 500	1.04	1.10	1.36	1.68	1.30	2.66	1.94
500 -- 1000	1.72	1.75	1.91	2.18	1.86	3.62	2.72
1000 -- 2000	3.38	3.39	3.47	3.70	3.42	4.48	5.14
2000 -- 5000	7.58	7.48	7.05	7.12	7.03	7.96	9.34
5000 -- 10000	8.58	8.40	7.63	7.19	7.72	7.53	9.88
10000 -- 50000	24.09	23.95	23.30	21.03	23.78	20.72	21.44
50000 & above	53.12	53.37	54.47	54.62	54.44	50.15	47.62
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

## ***10. Distribution of Factories in Operation by Size of Net Value Added***

### ***10.1 Principal Characteristics***

**10.1.1** Statement 17A sets out the distribution of factories along with related characteristics classified by net value added. These characteristics in percentage terms are given in Statement 17B. About 13.63% of the operating factories, each with less than ₹ 2.5 Lakhs of net value added, share about 9.21% of total fixed capital, provide gainful employment to 4.48% of total persons engaged of the factory sector, disburse 5.01% of the emoluments. These units, consuming about 5.82% of total input, are found to produce 4.44% of total output. On the other hand, about 11.33% of the operating factories, each contributing at least ₹ 10 Crores of net value added, possess 78.07% of the total fixed capital. They have 56.71% of total persons engaged, taking away 70.25% of the total salary/wage bill in terms of emoluments and produce 73.09% of total output after consuming 70.26 % of total input.

Statement 17A: Principal Characteristics by Net Value Added

NVA Range (₹ Lakhs)	Factories in Operation	Fixed Capital	Productive Capital	Invested Capital	Workers	Total Persons Engaged	Wages to Workers	Total Emoluments
	(Number)	(₹ Lakhs)	(₹ Lakhs)	(₹ Lakhs)	(Number)	(Number)	(₹ Lakhs)	(₹ Lakhs)
Upto 2.5	27316	34030798	32250923	44361529	525263	721364	1033347	2422101
2.5 --- 5	4201	203258	280363	305023	17709	25918	15294	24524
5 ---- 10	8660	380082	662590	637211	45611	65542	38158	63151
10 ---- 20	15952	865811	1650839	1581627	124957	169576	109906	177811
20 ---- 50	35202	3361028	5884788	6245529	540434	684943	488122	797100
50 ----100	27702	4734032	8352636	8560336	641328	810704	691275	1193304
100----200	23267	6916298	11842762	12819814	828228	1054435	1053543	1926364
200----500	22977	14884782	24007754	25791393	1400048	1777384	1923969	3770249
500----1000	12419	15641949	24567951	26346548	1294604	1654350	1940168	4022300
1000---5000	15632	51535719	78729179	81696622	3200332	4019470	5376077	11182209
5000& above	7067	236884805	292117852	310768677	3976049	5106014	9591689	22809919
<b>Total</b>	<b>200395</b>	<b>369438562</b>	<b>480347637</b>	<b>519114310</b>	<b>12594563</b>	<b>16089700</b>	<b>22261548</b>	<b>48389031</b>

NVA Range (₹ Lakhs)	Total Input	Total Output	Gross Value Added	Depreciation	Net Value Added	Rent Paid for Fixed Assets	Interest Paid
	(₹ Lakhs)	(₹ Lakhs)	(₹ Lakhs)	(₹ Lakhs)	(₹ Lakhs)	(₹ Lakhs)	(₹ Lakhs)
Upto 2.5	41835964	39093264	-2742700	3065853	-5808553	37706	1332311
2.5 --- 5	361379	393983	32604	16912	15692	242	11768
5 ---- 10	719203	820629	101427	36395	65032	829	18175
10 ---- 20	1975136	2288333	313197	77577	235620	2093	51969
20 ---- 50	10085930	11576897	1490966	312955	1178012	9567	248535
50 ----100	17917141	20317549	2400408	451093	1949315	11967	414286
100----200	30374619	34295381	3920763	698790	3221972	17788	655882
200----500	56412381	64730725	8318344	1461775	6856569	29228	1359134
500----1000	54256189	63527894	9271705	1507902	7763803	25917	1210341
1000---5000	146125077	175992601	29867524	4539840	25327684	77221	3264168
5000& above	359143524	467884132	108740608	15966894	92773714	268770	8783250
<b>Total</b>	<b>719206541</b>	<b>880921387</b>	<b>161714846</b>	<b>28135986</b>	<b>133578860</b>	<b>481328</b>	<b>17349819</b>

**Statement 17B: Principal Characteristics by Net Value Added  
(Percentage Distribution)**

<b>NVA Range (₹ Lakhs)</b>	<b>Factories in Operation</b>	<b>Fixed Capital</b>	<b>Productive Capital</b>	<b>Invested Capital</b>	<b>Workers</b>	<b>Total Persons Engaged</b>	<b>Wages to Workers</b>	<b>Total Emoluments</b>
Upto 2.5	13.63	9.21	6.71	8.55	4.17	4.48	4.64	5.01
2.5 --- 5	2.10	0.06	0.06	0.06	0.14	0.16	0.07	0.05
5 ---- 10	4.32	0.10	0.14	0.12	0.36	0.41	0.17	0.13
10 ---- 20	7.96	0.23	0.34	0.30	0.99	1.05	0.49	0.37
20 ---- 50	17.57	0.91	1.23	1.20	4.29	4.26	2.19	1.65
50 ----100	13.82	1.28	1.74	1.65	5.09	5.04	3.11	2.47
100----200	11.61	1.87	2.47	2.47	6.58	6.55	4.73	3.98
200----500	11.47	4.03	5.00	4.97	11.12	11.05	8.64	7.79
500----1000	6.20	4.23	5.11	5.08	10.28	10.28	8.72	8.31
1000---5000	7.80	13.95	16.39	15.74	25.41	24.98	24.15	23.11
5000& above	3.53	64.12	60.81	59.87	31.57	31.73	43.09	47.14
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

<b>NVA Range (₹ Lakhs)</b>	<b>Total Input</b>	<b>Total Output</b>	<b>Gross Value Added</b>	<b>Depreciation</b>	<b>Net Value Added</b>	<b>Rent Paid for Fixed Assets</b>	<b>Interest Paid</b>
Upto 2.5	5.82	4.44	-1.70	10.90	-4.35	7.83	7.68
2.5 --- 5	0.05	0.04	0.02	0.06	0.01	0.05	0.07
5 ---- 10	0.10	0.09	0.06	0.13	0.05	0.17	0.10
10 ---- 20	0.27	0.26	0.19	0.28	0.18	0.43	0.30
20 ---- 50	1.40	1.31	0.92	1.11	0.88	1.99	1.43
50 ----100	2.49	2.31	1.48	1.60	1.46	2.49	2.39
100----200	4.22	3.89	2.42	2.48	2.41	3.70	3.78
200----500	7.84	7.35	5.14	5.20	5.13	6.07	7.83
500----1000	7.54	7.21	5.73	5.36	5.81	5.38	6.98
1000---5000	20.32	19.98	18.47	16.14	18.96	16.04	18.81
5000& above	49.94	53.11	67.24	56.75	69.45	55.84	50.62
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

## **11. Share of Major Industries contributing at least 80% in terms of Total Output within each State/UT**

**11.1** Statement 18 presents the share of major industries contributing at least 80% of total output within each of the thirty-five States/UTs. The ranking of major industries in a State/UT has been done according to the value of their output. The industries are ranked in the descending order of their output. Besides the output, the contribution of each of these industries to gross value added is also given.

**11.2** From Statement 18, it is seen that at all-India level, it is Food Products (NIC: 10), that contributes to the total output by maximum (15.52%), whereas this industry is contributing to the highest proportion in respect to the total output in the states like A&N Islands (57.78%), Andhra Pradesh (29.08%), Delhi (23.62%), Karnataka (16.54%), Madhya Pradesh (29.41%), Maharashtra (14.82%), Punjab (19.49%), Rajasthan (17.63%), Tripura (34.97%) and Uttar Pradesh (25.40%).

**11.3** Basic Metals (NIC: 24), the second highest in ranking in proportionate share of total output, accounts for 14.01% of the total output at all India level, whereas this industry accounts for the highest value of total output in Five States namely, Arunachal Pradesh (37.09%), Chattisgarh (62.79%), Jharkhand (67.79%), Odisha (63.38%) and West Bengal (27.22%).

**11.4** The third contributing (9.67%) industry to the total output of India is Coke and Refined Petroleum Products (NIC: 19), which accounts for the highest share of output in the state of Assam (37.85%), Bihar (35.02%), Gujarat (20.64%) and Kerala (30.78%).

**11.5** Chemicals and Chemical Products (NIC: 20) accounts for 8.87% of the all India output and is the fourth highest in proportional share of total output. State-wise, this industry group contributes maximum to the total output of Dadra & N Haveli & Daman & Diu (27.62%), Jammu & Kashmir (45.29%) and Puducherry (19.95%).

**11.6** Motor Vehicles, Trailers and Semi-Trailers (NIC: 29) accounts for 7.17% of the total output at all India level and among the States/UTs, it has the highest share of total output in Haryana (24.40%) and Tamil Nadu (19.65%).

**Statement 18: Share of Major Industries contributing at least 80% in terms of Total Output within each State/UT  
(Arranged in Descending Order of Total Output)**

State/UT	NIC-2008	Description	Total Output		GVA	
			₹ Lakhs			
			Actual	Percentage	Actual	Percentage
A&N Islands	10	TOTAL	3695	100.00	837	100.00
		TOTAL OF BELOW INDUSTRIES	3694	99.97	837	100.00
		FOOD PRODUCTS	2135	57.78	187	22.34
		OTHER INDUSTRIES	1559	42.19	650	77.66
Andhra Pradesh	10 24 21 19 23 20 29 26	TOTAL	44112137	100.00	7111041	100.00
		TOTAL OF BELOW INDUSTRIES	36875820	83.58	5482864	77.11
		FOOD PRODUCTS	12829721	29.08	1031043	14.50
		BASIC METALS	4923311	11.16	909772	12.79
		PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	4849134	10.99	1317412	18.53
		COKE AND REFINED PETROLEUM PRODUCTS	3529786	8.00	379207	5.33
		OTHER NON-METALLIC MINERAL PRODUCTS	3150557	7.14	788330	11.09
		CHEMICALS AND CHEMICAL PRODUCTS	2854817	6.47	680931	9.58
Arunachal Pradesh	24 11 10	TOTAL	55255	100.00	8336	100.00
		TOTAL OF BELOW INDUSTRIES	49547	89.67	6693	80.29
		BASIC METALS	20493	37.09	3000	35.99
		BEVERAGES	14545	26.32	833	9.99
Assam	10 19 10 20 23	TOTAL	7719778	100.00	1969928	100.00
		TOTAL OF BELOW INDUSTRIES	6543000	84.76	1643680	83.44
		COKE AND REFINED PETROLEUM PRODUCTS	2922063	37.85	646340	32.81
		FOOD PRODUCTS	1976813	25.61	366196	18.59
		CHEMICALS AND CHEMICAL PRODUCTS	1138784	14.75	453712	23.03
Bihar	23 19 10 24 30	TOTAL	7029583	100.00	871643	100.00
		TOTAL OF BELOW INDUSTRIES	5793818	82.43	508618	58.36
		COKE AND REFINED PETROLEUM PRODUCTS	2461479	35.02	202904	23.28
		FOOD PRODUCTS	1757869	25.01	149981	17.21
		BASIC METALS	1193052	16.97	100033	11.48
		OTHER TRANSPORT EQUIPMENT	381418	5.43	55700	6.39
Chandigarh	28 24 10 11	TOTAL	356324	100.00	62223	100.00
		TOTAL OF BELOW INDUSTRIES	291129	81.69	46223	74.28
		OTHER INDUSTRIES	121049	33.97	18614	29.91
		MACHINERY AND EQUIPMENT N.E.C.	54093	15.18	13104	21.06
		BASIC METALS	52288	14.67	5348	8.59
		FOOD PRODUCTS	41447	11.63	6046	9.72
	11	BEVERAGES	22252	6.24	3111	5.00



**Statement 18: Share of Major Industries contributing at least 80% in terms of Total Output within each State/UT  
(Arranged in Descending Order of Total Output)**

State/UT	NIC-2008	Description	Total Output		GVA	
			₹ Lakhs)			
			Actual	Percentage	Actual	Percentage
Chattisgarh		TOTAL	18320042	100.00	3023242	100.00
		TOTAL OF BELOW INDUSTRIES	15787648	86.18	2417066	79.95
	24	BASIC METALS	11502624	62.79	2013708	66.61
	10	FOOD PRODUCTS	2952041	16.11	178110	5.89
		OTHER INDUSTRIES	1332983	7.28	225248	7.45
Dadra & N Haveli & Daman & Diu		TOTAL	14347475	100.00	2618627	100.00
		TOTAL OF BELOW INDUSTRIES	12170063	84.82	1965339	75.05
	20	CHEMICALS AND CHEMICAL PRODUCTS	3963429	27.62	694297	26.51
	22	RUBBER AND PLASTICS PRODUCTS	2124401	14.81	437223	16.70
	24	BASIC METALS	1952612	13.61	253069	9.66
	27	ELECTRICAL EQUIPMENT	1854203	12.92	249281	9.52
	13	TEXTILES	1422865	9.92	218634	8.35
19	COKE AND REFINED PETROLEUM PRODUCTS	852553	5.94	112835	4.31	
Delhi		TOTAL	4258588	100.00	616488	100.00
		TOTAL OF BELOW INDUSTRIES	3510290	82.42	459038	74.47
	10	FOOD PRODUCTS	1005824	23.62	74567	12.10
		OTHER INDUSTRIES	806131	18.93	114696	18.60
	22	RUBBER AND PLASTICS PRODUCTS	345988	8.12	22153	3.59
	14	WEARING APPAREL	251021	5.89	67908	11.02
	27	ELECTRICAL EQUIPMENT	247007	5.80	33281	5.40
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	236987	5.56	45477	7.38
	24	BASIC METALS	190374	4.47	10522	1.71
	28	MACHINERY AND EQUIPMENT N.E.C.	153309	3.60	36017	5.84
	15	LEATHER AND RELATED PRODUCTS	140763	3.31	22474	3.65
	26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	132886	3.12	31943	5.18
	Goa		TOTAL	5051792	100.00	1474927
		TOTAL OF BELOW INDUSTRIES	4074217	80.66	1197886	81.20
21		PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	1403710	27.79	628856	42.64
24		BASIC METALS	636472	12.60	75556	5.12
27		ELECTRICAL EQUIPMENT	538476	10.66	110670	7.50
20		CHEMICALS AND CHEMICAL PRODUCTS	490954	9.72	98724	6.69
26		COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	392994	7.78	130011	8.81
22		RUBBER AND PLASTICS PRODUCTS	331297	6.56	90760	6.15
10		FOOD PRODUCTS	280314	5.55	63309	4.29

**Statement 18: Share of Major Industries contributing at least 80% in terms of Total Output within each State/UT  
(Arranged in Descending Order of Total Output)**

State/UT	NIC-2008	Description	Total Output		GVA	
			(₹ Lakhs)			
			Actual	Percentage	Actual	Percentage
Gujarat		TOTAL	149635290	100.00	24226697	100.00
		TOTAL OF BELOW INDUSTRIES	120664398	80.65	19337219	79.82
	19	COKE AND REFINED PETROLEUM PRODUCTS	30887315	20.64	2463416	10.17
	20	CHEMICALS AND CHEMICAL PRODUCTS	25990446	17.37	6430277	26.54
	10	FOOD PRODUCTS	16962022	11.34	1154155	4.76
	24	BASIC METALS	14336375	9.58	1818864	7.51
	13	TEXTILES	8255951	5.52	1678003	6.93
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	6404197	4.28	2249908	9.29
	28	MACHINERY AND EQUIPMENT N.E.C.	6048057	4.04	1564402	6.46
	22	RUBBER AND PLASTICS PRODUCTS	5936102	3.97	1248297	5.15
	32	OTHER MANUFACTURING	5843933	3.91	729897	3.01
Haryana		TOTAL	58963165	100.00	8139119	100.00
		TOTAL OF BELOW INDUSTRIES	47293856	80.21	5581916	68.59
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	14389667	24.40	2421106	29.75
	19	COKE AND REFINED PETROLEUM PRODUCTS	6478220	10.99	-474084	-5.82
	24	BASIC METALS	6437768	10.92	421833	5.18
	10	FOOD PRODUCTS	6210768	10.53	559224	6.87
	28	MACHINERY AND EQUIPMENT N.E.C.	3216755	5.46	751747	9.24
	30	OTHER TRANSPORT EQUIPMENT	3094801	5.25	561586	6.90
	27	ELECTRICAL EQUIPMENT	2891921	4.90	429627	5.28
	13	TEXTILES	2382449	4.04	420033	5.16
	20	CHEMICALS AND CHEMICAL PRODUCTS	2191507	3.72	490844	6.03
Himachal Pradesh		TOTAL	12428673	100.00	3260500	100.00
		TOTAL OF BELOW INDUSTRIES	10336738	83.18	2782803	85.34
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	3269933	26.31	1314026	40.30
	27	ELECTRICAL EQUIPMENT	1727276	13.90	141838	4.35
	20	CHEMICALS AND CHEMICAL PRODUCTS	1595976	12.84	539098	16.53
	24	BASIC METALS	1328349	10.69	65302	2.00
	13	TEXTILES	763307	6.14	117002	3.59
	10	FOOD PRODUCTS	572932	4.61	116067	3.56
	19	COKE AND REFINED PETROLEUM PRODUCTS	566152	4.56	77877	2.39
			OTHER INDUSTRIES	512813	4.13	411593

**Statement 18: Share of Major Industries contributing at least 80% in terms of Total Output within each State/UT  
(Arranged in Descending Order of Total Output)**

State/UT	NIC-2008	Description	Total Output		GVA	
			(` Lakhs)			
			Actual	Percentage	Actual	Percentage
Jammu & Kashmir		TOTAL	3425623	100.00	979179	100.00
		TOTAL OF BELOW INDUSTRIES	2899541	84.65	880243	89.89
	20	CHEMICALS AND CHEMICAL PRODUCTS	1551604	45.29	528407	53.96
	10	FOOD PRODUCTS	389534	11.37	30748	3.14
		OTHER INDUSTRIES	284312	8.30	144211	14.73
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	226692	6.62	120255	12.28
	24	BASIC METALS	223871	6.54	18443	1.88
	22	RUBBER AND PLASTICS PRODUCTS	223528	6.53	38179	3.90
Jharkhand		TOTAL	13826805	100.00	3304850	100.00
		TOTAL OF BELOW INDUSTRIES	11443662	82.77	2906678	87.95
	24	BASIC METALS	9373161	67.79	2386443	72.21
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	1321769	9.56	279094	8.44
	23	OTHER NON-METALLIC MINERAL PRODUCTS	748732	5.42	241141	7.30
Karnataka		TOTAL	52647967	100.00	11348263	100.00
		TOTAL OF BELOW INDUSTRIES	42835371	81.35	8734590	76.97
	10	FOOD PRODUCTS	8706441	16.54	1074683	9.47
	24	BASIC METALS	7901755	15.01	2077766	18.31
	19	COKE AND REFINED PETROLEUM PRODUCTS	4516017	8.58	443168	3.91
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	3445235	6.54	624673	5.50
	28	MACHINERY AND EQUIPMENT N.E.C.	3316933	6.30	844341	7.44
	27	ELECTRICAL EQUIPMENT	2824196	5.36	419098	3.69
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	2364002	4.49	864257	7.62
	26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	2149295	4.08	429273	3.78
	20	CHEMICALS AND CHEMICAL PRODUCTS	2100452	3.99	549464	4.84
	14	WEARING APPAREL	1906952	3.62	628868	5.54
	30	OTHER TRANSPORT EQUIPMENT	1844769	3.50	373090	3.29
		22	RUBBER AND PLASTICS PRODUCTS	1759324	3.34	405909
Kerala		TOTAL	14232788	100.00	2251864	100.00
		TOTAL OF BELOW INDUSTRIES	11508354	80.86	1490050	66.17
	19	COKE AND REFINED PETROLEUM PRODUCTS	4381155	30.78	303463	13.48
	10	FOOD PRODUCTS	3770705	26.49	479073	21.27
	22	RUBBER AND PLASTICS PRODUCTS	1270785	8.93	260250	11.56
	20	CHEMICALS AND CHEMICAL PRODUCTS	892076	6.27	227449	10.10
	32	OTHER MANUFACTURING	429962	3.02	57463	2.55
	23	OTHER NON-METALLIC MINERAL PRODUCTS	403889	2.84	129339	5.74
		24	BASIC METALS	359782	2.53	33013

**Statement 18: Share of Major Industries contributing at least 80% in terms of Total Output within each State/UT  
(Arranged in Descending Order of Total Output)**

State/UT	NIC-2008	Description	Total Output		GVA	
			₹ Lakhs			
			Actual	Percentage	Actual	Percentage
Ladakh		TOTAL	22966	100.00	15246	100.00
		TOTAL OF BELOW INDUSTRIES	22966	100.00	15246	100.00
		OTHER INDUSTRIES	22966	100.00	15246	100.00
Madhya Pradesh		TOTAL	28355355	100.00	5165322	100.00
		TOTAL OF BELOW INDUSTRIES	23329278	82.27	4054299	78.49
	10	FOOD PRODUCTS	8340489	29.41	523833	10.14
		OTHER INDUSTRIES	3404160	12.01	1559914	30.20
	19	COKE AND REFINED PETROLEUM PRODUCTS	2207296	7.78	122974	2.38
	23	OTHER NON-METALLIC MINERAL PRODUCTS	1810398	6.38	509632	9.87
	24	BASIC METALS	1735029	6.12	301829	5.84
	20	CHEMICALS AND CHEMICAL PRODUCTS	1614403	5.69	208689	4.04
	13	TEXTILES	1567061	5.53	278559	5.39
22	RUBBER AND PLASTICS PRODUCTS	1369042	4.83	311994	6.04	
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	1281400	4.52	236875	4.59	
Maharashtra		TOTAL	125360944	100.00	23968875	100.00
		TOTAL OF BELOW INDUSTRIES	102900271	82.07	18974062	79.17
	10	FOOD PRODUCTS	18582243	14.82	1864657	7.78
	24	BASIC METALS	14335013	11.43	2431318	10.14
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	12776377	10.19	2389937	9.97
	20	CHEMICALS AND CHEMICAL PRODUCTS	12470588	9.95	2650282	11.06
	28	MACHINERY AND EQUIPMENT N.E.C.	9640843	7.69	2443735	10.20
	19	COKE AND REFINED PETROLEUM PRODUCTS	7727239	6.16	502233	2.10
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	6578485	5.25	2394947	9.99
	32	OTHER MANUFACTURING	5656814	4.51	569775	2.38
	22	RUBBER AND PLASTICS PRODUCTS	5583092	4.45	1537796	6.42
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	4849237	3.87	1083426	4.52
	27	ELECTRICAL EQUIPMENT	4700340	3.75	1105956	4.61
Manipur		TOTAL	50633	100.00	10248	100.00
		TOTAL OF BELOW INDUSTRIES	47117	93.06	9198	89.75
	23	OTHER NON-METALLIC MINERAL PRODUCTS	27650	54.61	6607	64.47
	10	FOOD PRODUCTS	12638	24.96	1099	10.72
		OTHER INDUSTRIES	6829	13.49	1492	14.56
Meghalaya		TOTAL	642413	100.00	140087	100.00
		TOTAL OF BELOW INDUSTRIES	515066	80.18	127360	90.92
	23	OTHER NON-METALLIC MINERAL PRODUCTS	365600	56.91	108270	77.29
	24	BASIC METALS	149466	23.27	19090	13.63

**Statement 18: Share of Major Industries contributing at least 80% in terms of Total Output within each State/UT  
(Arranged in Descending Order of Total Output)**

State/UT	NIC-2008	Description	Total Output		GVA	
			₹ Lakhs)			
			Actual	Percentage	Actual	Percentage
Mizoram		TOTAL	6525	100.00	1958	100.00
		TOTAL OF BELOW INDUSTRIES	5502	84.34	1386	70.79
		OTHER INDUSTRIES	3163	48.48	435	22.22
	10	FOOD PRODUCTS	1130	17.32	393	20.07
	23	OTHER NON-METALLIC MINERAL PRODUCTS	553	8.48	253	12.92
	14	WEARING APPAREL	332	5.09	110	5.62
	31	MANUFACTURE OF FURNITURE	324	4.97	195	9.96
Nagaland		TOTAL	44704	100.00	9416	100.00
		TOTAL OF BELOW INDUSTRIES	40434	90.44	7240	76.89
	16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE	19175	42.89	5816	61.77
		OTHER INDUSTRIES	11503	25.73	504	5.35
	10	FOOD PRODUCTS	9756	21.82	920	9.77
Odisha		TOTAL	27459491	100.00	5797916	100.00
		TOTAL OF BELOW INDUSTRIES	23152122	84.32	4991486	86.09
	24	BASIC METALS	17402807	63.38	4481722	77.30
	19	COKE AND REFINED PETROLEUM PRODUCTS	4247975	15.47	308713	5.32
	10	FOOD PRODUCTS	1501340	5.47	201051	3.47
Puducherry		TOTAL	2793994	100.00	742819	100.00
		TOTAL OF BELOW INDUSTRIES	2322476	83.13	679698	91.51
	20	CHEMICALS AND CHEMICAL PRODUCTS	557272	19.95	226480	30.49
	26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	515098	18.44	161305	21.72
	24	BASIC METALS	256968	9.20	16354	2.20
	22	RUBBER AND PLASTICS PRODUCTS	253432	9.07	47182	6.35
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	239300	8.56	99075	13.34
	27	ELECTRICAL EQUIPMENT	186144	6.66	37629	5.07
	28	MACHINERY AND EQUIPMENT N.E.C.	159257	5.70	54356	7.32
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	155005	5.55	37317	5.02
Punjab		TOTAL	25530567	100.00	4190213	100.00
		TOTAL OF BELOW INDUSTRIES	20831106	81.59	3057259	72.94
	10	FOOD PRODUCTS	4975224	19.49	603044	14.39
	19	COKE AND REFINED PETROLEUM PRODUCTS	3183700	12.47	360554	8.60
	24	BASIC METALS	3147682	12.33	238931	5.70
	13	TEXTILES	2607426	10.21	451604	10.78
	28	MACHINERY AND EQUIPMENT N.E.C.	2574669	10.08	666433	15.90
	30	OTHER TRANSPORT EQUIPMENT	1508895	5.91	216384	5.16
	14	WEARING APPAREL	1198890	4.70	208830	4.98
	20	CHEMICALS AND CHEMICAL PRODUCTS	876109	3.43	161014	3.84
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	758511	2.97	150465	3.59

**Statement 18: Share of Major Industries contributing at least 80% in terms of Total Output within each State/UT  
(Arranged in Descending Order of Total Output)**

State/UT	NIC-2008	Description	Total Output		GVA	
			(₹ Lakhs)			
			Actual	Percentage	Actual	Percentage
Rajasthan		TOTAL	35664573	100.00	6872125	100.00
		TOTAL OF BELOW INDUSTRIES	28574430	80.11	5085424	74.01
	10	FOOD PRODUCTS	6286706	17.63	375462	5.46
	24	BASIC METALS	5143697	14.42	665796	9.69
	23	OTHER NON-METALLIC MINERAL PRODUCTS	4030738	11.30	1355619	19.73
	20	CHEMICALS AND CHEMICAL PRODUCTS	3354013	9.40	708174	10.31
	13	TEXTILES	2285393	6.41	463188	6.74
	27	ELECTRICAL EQUIPMENT	2051821	5.75	301509	4.39
	28	MACHINERY AND EQUIPMENT N.E.C.	2005202	5.62	481195	7.00
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	1924744	5.40	421292	6.13
	22	RUBBER AND PLASTICS PRODUCTS	1492116	4.18	313189	4.56
Sikkim		TOTAL	1976929	100.00	925741	100.00
		TOTAL OF BELOW INDUSTRIES	1665118	84.23	817263	88.28
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	1665118	84.23	817263	88.28
Tamil Nadu		TOTAL	85588228	100.00	15969290	100.00
		TOTAL OF BELOW INDUSTRIES	71093709	83.04	12296571	77.00
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	16821957	19.65	2584687	16.19
	10	FOOD PRODUCTS	9238833	10.79	1043238	6.53
	13	TEXTILES	8883998	10.38	1713930	10.73
	28	MACHINERY AND EQUIPMENT N.E.C.	6277608	7.33	1541606	9.65
	14	WEARING APPAREL	4544245	5.31	1048342	6.56
	24	BASIC METALS	4368060	5.10	651927	4.08
	22	RUBBER AND PLASTICS PRODUCTS	3963608	4.63	779346	4.88
	20	CHEMICALS AND CHEMICAL PRODUCTS	3792586	4.43	820713	5.14
	19	COKE AND REFINED PETROLEUM PRODUCTS	3473886	4.06	606161	3.80
	32	OTHER MANUFACTURING	3414252	3.99	291740	1.83
	30	OTHER TRANSPORT EQUIPMENT	3161202	3.69	761882	4.77
	26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	3153474	3.68	452999	2.84
	Telangana		TOTAL	26444406	100.00	6474000
		TOTAL OF BELOW INDUSTRIES	22104347	83.61	5068891	78.29
21		PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	6410243	24.24	2303841	35.59
10		FOOD PRODUCTS	4797723	18.14	492937	7.61
25		FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	1678258	6.35	189827	2.93
27		ELECTRICAL EQUIPMENT	1570019	5.94	288210	4.45
23		OTHER NON-METALLIC MINERAL PRODUCTS	1532772	5.80	425714	6.58
01		COTTON GINNING, CLEANING AND BAILING (01632); SEED PROCESSING FOR PROPAGATION (01640)	1503820	5.69	299927	4.63
24		BASIC METALS	1271049	4.81	124427	1.92
22		RUBBER AND PLASTICS PRODUCTS	1262988	4.78	256493	3.96
20		CHEMICALS AND CHEMICAL PRODUCTS	1100171	4.16	207106	3.20
			OTHER INDUSTRIES	977304	3.70	480409

**Statement 18: Share of Major Industries contributing at least 80% in terms of Total Output within each State/UT  
(Arranged in Descending Order of Total Output)**

State/UT	NIC-2008	Description	Total Output		GVA	
			₹ Lakhs			
			Actual	Percentage	Actual	Percentage
Tripura		TOTAL	175381	100.00	41354	100.00
		TOTAL OF BELOW INDUSTRIES	150205	85.65	35468	85.77
	10	FOOD PRODUCTS	61337	34.97	13890	33.59
	23	OTHER NON-METALLIC MINERAL PRODUCTS	38758	22.10	14645	35.41
	22	RUBBER AND PLASTICS PRODUCTS	30175	17.21	4113	9.95
		OTHER INDUSTRIES	19935	11.37	2820	6.82
Uttar Pradesh		TOTAL	57323389	100.00	9432839	100.00
		TOTAL OF BELOW INDUSTRIES	46474591	81.09	6769077	71.77
	10	FOOD PRODUCTS	14562922	25.40	1401346	14.86
	26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	7152518	12.48	973265	10.32
	20	CHEMICALS AND CHEMICAL PRODUCTS	4704933	8.21	1025825	10.88
	24	BASIC METALS	3414790	5.96	387348	4.11
	19	COKE AND REFINED PETROLEUM PRODUCTS	3221092	5.62	173864	1.84
		OTHER INDUSTRIES	2693859	4.70	719726	7.63
	22	RUBBER AND PLASTICS PRODUCTS	2258857	3.94	414552	4.39
	23	OTHER NON-METALLIC MINERAL PRODUCTS	2020724	3.53	467649	4.96
	27	ELECTRICAL EQUIPMENT	2017161	3.52	277546	2.94
	28	MACHINERY AND EQUIPMENT N.E.C.	1541525	2.69	351153	3.72
	15	LEATHER AND RELATED PRODUCTS	1454496	2.54	290104	3.08
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	1431714	2.50	286699	3.04
Uttarakhand		TOTAL	22071066	100.00	5080339	100.00
		TOTAL OF BELOW INDUSTRIES	18253534	82.68	4069348	80.09
	32	OTHER MANUFACTURING	2377977	10.77	51372	1.01
	30	OTHER TRANSPORT EQUIPMENT	2235135	10.13	483999	9.53
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	2185993	9.90	403590	7.94
	20	CHEMICALS AND CHEMICAL PRODUCTS	2145639	9.72	786279	15.48
	24	BASIC METALS	2079369	9.42	646299	12.72
	10	FOOD PRODUCTS	1698259	7.69	288556	5.68
	22	RUBBER AND PLASTICS PRODUCTS	1587934	7.19	381565	7.51
	27	ELECTRICAL EQUIPMENT	1481560	6.71	326781	6.43
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	1432356	6.49	410730	8.08
	28	MACHINERY AND EQUIPMENT N.E.C.	1029312	4.66	290177	5.71

**Statement 18: Share of Major Industries contributing at least 80% in terms of Total Output within each State/UT  
(Arranged in Descending Order of Total Output)**

State/UT	NIC-2008	Description	Total Output		GVA	
			(` Lakhs)			
			Actual	Percentage	Actual	Percentage
West Bengal		TOTAL	34994845	100.00	5609297	100.00
		TOTAL OF BELOW INDUSTRIES	28840827	82.42	4291756	76.52
	24	BASIC METALS	9524414	27.22	1408223	25.11
	10	FOOD PRODUCTS	8442636	24.13	984744	17.56
	19	COKE AND REFINED PETROLEUM PRODUCTS	2942679	8.41	283318	5.05
	20	CHEMICALS AND CHEMICAL PRODUCTS	2770482	7.92	639647	11.40
	13	TEXTILES	1449767	4.14	321224	5.73
	22	RUBBER AND PLASTICS PRODUCTS	1366272	3.90	215050	3.83
	27	ELECTRICAL EQUIPMENT	1296028	3.70	234189	4.18
	23	OTHER NON-METALLIC MINERAL PRODUCTS	1048549	3.00	205361	3.66
All India		TOTAL	880921387	100.00	161714846	100.00
		TOTAL OF BELOW INDUSTRIES	731063112	82.99	132719183	82.07
	10	FOOD PRODUCTS	136731673	15.52	13181645	8.15
	24	BASIC METALS	123453193	14.01	21582323	13.35
	19	COKE AND REFINED PETROLEUM PRODUCTS	85200243	9.67	6664228	4.12
	20	CHEMICALS AND CHEMICAL PRODUCTS	78148229	8.87	18579908	11.49
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	63186244	7.17	10581178	6.54
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	40629059	4.61	14412431	8.91
	28	MACHINERY AND EQUIPMENT N.E.C.	39865057	4.53	9947722	6.15
	13	TEXTILES	36732786	4.17	7135367	4.41
	22	RUBBER AND PLASTICS PRODUCTS	34935042	3.97	7483851	4.63
	27	ELECTRICAL EQUIPMENT	32146203	3.65	5443585	3.37
	23	OTHER NON-METALLIC MINERAL PRODUCTS	32032231	3.64	8511284	5.26
		OTHER INDUSTRIES	28003152	3.18	9195661	5.69



## **12. Share of Major States/UTs contributing at least 80% in terms of Total Output within each Industry**

**12.1** Statement 19 gives the shares of major States/UTs contributing at least 80% of the total output within the major industry divisions of manufacturing sector. Within each such industry division, States/UTs have been ranked based on their relative contributions to the total output of that industry. From Statement 19, it is clearly seen that, in Cotton Ginning, Cleaning, Bailing (01632) and Seed Processing for Propagation (01640) (NIC: 01), Gujarat, Telangana and Maharashtra are the top three important contributors to the total output. These three States together accounted for 70.89% of the total output for the industry. Maharashtra, Gujarat and Uttar Pradesh are the top contributors in the Food industry (NIC: 10) by contributing 36.65% of total output of that industry. In the case of Coke and Refined Petroleum Products (NIC: 19), Gujarat, Maharashtra and Haryana are the top three contributors to total output, accounting for 52.92% taken together. The major contributors for Chemicals and Chemical Products (NIC: 20) are Gujarat, Maharashtra and Uttar Pradesh and these States accounted 55.24% of total output of that industry. In Basic Metals (NIC: 24), the major States are Odisha, Gujarat and Maharashtra by capturing 37.32% of total output of that industry. In Motor Vehicles, Trailers and Semi-Trailers (NIC: 29) industry, the top three States are Tamil Nadu, Haryana and Maharashtra capturing 69.61% of the total output in that industry.

**Statement 19: Share of Major States/UTs contributing at least 80% in terms of Total Output within each Industry  
(Arranged in Descending Order of Total Output)**

Industry Code(NIC-2008)	Description	State/UT	Total Output		GVA	
			(₹ Lakhs)			
			Actual	Percentage	Actual	Percentage
01	COTTON GINNING,CLEANING AND BAILING (01632); SEED PROCESSING FOR PROPAGATION (01640)	All India	7757812	100.00	693097	100.00
		TOTAL OF BELOW STATE/UTs	6236435	80.39	559944	80.78
		Gujarat	2547670	32.84	96360	13.90
		Telangana	1503820	19.38	299927	43.27
		Maharashtra	1448048	18.67	99326	14.33
		Karnataka	736897	9.50	64331	9.28
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	All India	109848	100.00	39516	100.00
		TOTAL OF BELOW STATE/UTs	99794	90.85	34258	86.69
		Gujarat	99794	90.85	34258	86.69
10	FOOD PRODUCTS	All India	136731673	100.00	13181645	100.00
		TOTAL OF BELOW STATE/UTs	110162781	80.57	10012385	75.95
		Maharashtra	18582243	13.59	1864657	14.15
		Gujarat	16962022	12.41	1154155	8.76
		Uttar Pradesh	14562922	10.65	1401346	10.63
		Andhra Pradesh	12829721	9.38	1031043	7.82
		Tamil Nadu	9238833	6.76	1043238	7.91
		Karnataka	8706441	6.37	1074683	8.15
		West Bengal	8442636	6.17	984744	7.47
		Madhya Pradesh	8340489	6.10	523833	3.97
		Rajasthan	6286706	4.60	375462	2.85
		Haryana	6210768	4.54	559224	4.24
11	BEVERAGES	All India	8538291	100.00	1988229	100.00
		TOTAL OF BELOW STATE/UTs	7046651	82.53	1649361	82.95
		Maharashtra	1798498	21.06	350663	17.64
		Uttar Pradesh	1157385	13.56	315689	15.88
		Tamil Nadu	679180	7.95	128796	6.48
		Haryana	607252	7.11	152945	7.69
		Karnataka	595092	6.97	152549	7.67
		Punjab	477281	5.59	116769	5.87
		Andhra Pradesh	470891	5.52	114146	5.74
		Telangana	452403	5.30	136635	6.87
		Rajasthan	437506	5.12	90214	4.54
		West Bengal	371163	4.35	90955	4.57

**Statement 19: Share of Major States/UTs contributing at least 80% in terms of Total Output within each Industry**  
**(Arranged in Descending Order of Total Output)**

Industry Code(NIC-2008)	Description	State/UT	Total Output		GVA	
			(₹ Lakhs)			
			Actual	Percentage	Actual	Percentage
12	TOBACCO PRODUCTS	All India	4826358	100.00	1782761	100.00
		TOTAL OF BELOW STATE/UTs	4085065	84.65	1496642	83.96
		Uttar Pradesh	941747	19.51	422844	23.72
		Andhra Pradesh	935786	19.39	165831	9.30
		Karnataka	680346	14.10	364355	20.44
		Gujarat	449615	9.32	74144	4.16
		West Bengal	407411	8.44	53960	3.03
		Maharashtra	359335	7.45	229400	12.87
		Telangana	310825	6.44	186108	10.44
13	TEXTILES	All India	36732786	100.00	7135367	100.00
		TOTAL OF BELOW STATE/UTs	30583469	83.28	5971885	83.69
		Tamil Nadu	8883998	24.19	1713930	24.02
		Gujarat	8255951	22.48	1678003	23.52
		Maharashtra	3151424	8.58	645344	9.04
		Punjab	2607426	7.10	451604	6.33
		Haryana	2382449	6.49	420033	5.89
		Rajasthan	2285393	6.22	463188	6.49
		Madhya Pradesh	1567061	4.27	278559	3.90
West Bengal	1449767	3.95	321224	4.50		
14	WEARING APPAREL	All India	13043518	100.00	3261898	100.00
		TOTAL OF BELOW STATE/UTs	10977813	84.17	2739971	84.00
		Tamil Nadu	4544245	34.84	1048342	32.14
		Karnataka	1906952	14.62	628868	19.28
		Haryana	1425273	10.93	364500	11.17
		Uttar Pradesh	1303878	10.00	355406	10.90
		Punjab	1198890	9.19	208830	6.40
West Bengal	598575	4.59	134025	4.11		
15	LEATHER AND RELATED PRODUCTS	All India	5328382	100.00	1162223	100.00
		TOTAL OF BELOW STATE/UTs	4415856	82.89	976651	84.04
		Uttar Pradesh	1454496	27.30	290104	24.96
		Tamil Nadu	1000416	18.78	292165	25.14
		Haryana	844144	15.84	159679	13.74
		West Bengal	509711	9.57	103394	8.90
		Karnataka	382954	7.19	75380	6.49
Kerala	224135	4.21	55929	4.81		

**Statement 19: Share of Major States/UTs contributing at least 80% in terms of Total Output within each Industry  
(Arranged in Descending Order of Total Output)**

Industry Code(NIC-2008)	Description	State/UT	Total Output		GVA	
		(₹ Lakhs)				
			Actual	Percentage	Actual	Percentage
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS	All India	2595972	100.00	459915	100.00
		TOTAL OF BELOW STATE/UTs	2156002	83.06	386052	83.94
		Gujarat	452061	17.41	73408	15.96
		Uttar Pradesh	256991	9.90	51112	11.11
		Kerala	236951	9.13	29470	6.41
		West Bengal	227142	8.75	49342	10.73
		Uttarakhand	202981	7.82	62987	13.70
		Haryana	191799	7.39	26079	5.67
		Tamil Nadu	163030	6.28	23809	5.18
		Rajasthan	145906	5.62	25248	5.49
		Punjab	141095	5.44	27613	6.00
		Karnataka	138046	5.32	16984	3.69
17	PAPER AND PAPER PRODUCTS	All India	13033908	100.00	2373003	100.00
		TOTAL OF BELOW STATE/UTs	10524494	80.74	1885335	79.44
		Gujarat	2161173	16.58	324948	13.69
		Maharashtra	1912509	14.67	396975	16.73
		Uttar Pradesh	1355014	10.40	197644	8.33
		Tamil Nadu	1339762	10.28	260112	10.96
		Uttarakhand	985918	7.56	158838	6.69
		Haryana	842919	6.47	144840	6.10
		Telangana	714152	5.48	179398	7.56
		Karnataka	659992	5.06	118503	4.99
		Punjab	553055	4.24	104077	4.39
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	All India	2656329	100.00	807966	100.00
		TOTAL OF BELOW STATE/UTs	2179745	82.06	671660	83.12
		Maharashtra	496047	18.67	136139	16.85
		Uttar Pradesh	384754	14.48	102485	12.68
		Tamil Nadu	291231	10.96	84148	10.41
		Gujarat	255102	9.60	89750	11.11
		Karnataka	227052	8.55	62571	7.74
		Haryana	196464	7.40	65755	8.14
		Kerala	138814	5.23	69590	8.61
		Telangana	96051	3.62	37984	4.70
Madhya Pradesh	94230	3.55	23238	2.88		

**Statement 19: Share of Major States/UTs contributing at least 80% in terms of Total Output within each Industry**  
(Arranged in Descending Order of Total Output)

Industry Code(NIC-2008)	Description	State/UT	Total Output		GVA	
			(₹ Lakhs)			
			Actual	Percentage	Actual	Percentage
19	COKE AND REFINED PETROLEUM PRODUCTS	All India	85200243	100.00	6664228	100.00
		TOTAL OF BELOW STATE/UTs	68462685	80.35	4706141	70.62
		Gujarat	30887315	36.25	2463416	36.96
		Maharashtra	7727239	9.07	502233	7.54
		Haryana	6478220	7.60	-474084	-7.11
		Karnataka	4516017	5.30	443168	6.65
		Kerala	4381155	5.14	303463	4.55
		Odisha	4247975	4.99	308713	4.63
		Andhra Pradesh	3529786	4.14	379207	5.69
		Tamil Nadu	3473886	4.08	606161	9.10
		Uttar Pradesh	3221092	3.78	173864	2.61
20	CHEMICALS AND CHEMICAL PRODUCTS	All India	78148229	100.00	18579908	100.00
		TOTAL OF BELOW STATE/UTs	64238440	82.20	14927269	80.33
		Gujarat	25990446	33.26	6430277	34.61
		Maharashtra	12470588	15.96	2650282	14.26
		Uttar Pradesh	4704933	6.02	1025825	5.52
		Dadra & N Haveli & Daman & Diu	3963429	5.07	694297	3.74
		Tamil Nadu	3792586	4.85	820713	4.42
		Rajasthan	3354013	4.29	708174	3.81
		Andhra Pradesh	2854817	3.65	680931	3.66
		West Bengal	2770482	3.55	639647	3.44
		Haryana	2191507	2.80	490844	2.64
		Uttarakhand	2145639	2.75	786279	4.23
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	All India	40629059	100.00	14412431	100.00
		TOTAL OF BELOW STATE/UTs	32973468	81.17	11672384	81.00
		Maharashtra	6578485	16.19	2394947	16.62
		Telangana	6410243	15.78	2303841	15.99
		Gujarat	6404197	15.76	2249908	15.61
		Andhra Pradesh	4849134	11.94	1317412	9.14
		Himachal Pradesh	3269933	8.05	1314026	9.12
		Karnataka	2364002	5.82	864257	6.00
		Sikkim	1665118	4.10	817263	5.67
		Uttarakhand	1432356	3.53	410730	2.85

**Statement 19: Share of Major States/UTs contributing at least 80% in terms of Total Output within each Industry**  
**(Arranged in Descending Order of Total Output)**

Industry Code(NIC-2008)	Description	State/UT	Total Output		GVA	
		(₹ Lakhs)				
			Actual	Percentage	Actual	Percentage
22	RUBBER AND PLASTICS PRODUCTS	All India	34935042	100.00	7483851	100.00
		TOTAL OF BELOW STATE/UTs	28986001	82.98	6367025	85.06
		Gujarat	5936102	16.99	1248297	16.68
		Maharashtra	5583092	15.98	1537796	20.55
		Tamil Nadu	3963608	11.35	779346	10.41
		Uttar Pradesh	2258857	6.47	414552	5.54
		Dadra & N Haveli & Daman & Diu	2124401	6.08	437223	5.84
		Karnataka	1759324	5.04	405909	5.42
		Uttarakhand	1587934	4.55	381565	5.10
		Haryana	1545253	4.42	322104	4.30
		Rajasthan	1492116	4.27	313189	4.18
		Madhya Pradesh	1369042	3.92	311994	4.17
		West Bengal	1366272	3.91	215050	2.87
23	OTHER NON-METALLIC MINERAL PRODUCTS	All India	32032231	100.00	8511284	100.00
		TOTAL OF BELOW STATE/UTs	26602355	83.05	7009576	82.34
		Gujarat	5442007	16.99	1069440	12.56
		Rajasthan	4030738	12.58	1355619	15.93
		Andhra Pradesh	3150557	9.84	788330	9.26
		Tamil Nadu	2592616	8.09	691800	8.13
		Maharashtra	2086278	6.51	562943	6.61
		Uttar Pradesh	2020724	6.31	467649	5.49
		Madhya Pradesh	1810398	5.65	509632	5.99
		Karnataka	1709580	5.34	531228	6.24
		Telangana	1532772	4.79	425714	5
		Chattisgarh	1178136	3.68	401860	4.72
		West Bengal	1048549	3.27	205361	2.41
24	BASIC METALS	All India	123453193	100.00	21582323	100.00
		TOTAL OF BELOW STATE/UTs	100880925	81.72	18615445	86.26
		Odisha	17402807	14.1	4481722	20.77
		Gujarat	14336375	11.61	1818864	8.43
		Maharashtra	14335013	11.61	2431318	11.27
		Chattisgarh	11502624	9.32	2013708	9.33
		West Bengal	9524414	7.72	1408223	6.52
		Jharkhand	9373161	7.59	2386443	11.06
		Karnataka	7901755	6.4	2077766	9.63
		Haryana	6437768	5.21	421833	1.95
		Rajasthan	5143697	4.17	665796	3.08
		Andhra Pradesh	4923311	3.99	909772	4.22

**Statement 19: Share of Major States/UTs contributing at least 80% in terms of Total Output within each Industry  
(Arranged in Descending Order of Total Output)**

Industry Code(NIC-2008)	Description	State/UT	Total Output		GVA	
		(₹ Lakhs)				
			Actual	Percentage	Actual	Percentage
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	All India	21624803	100.00	4349345	100.00
		TOTAL OF BELOW STATE/UTs	17756727	82.11	3653366	84
		Maharashtra	4849237	22.42	1083426	24.91
		Gujarat	2875424	13.3	581186	13.36
		Tamil Nadu	2351136	10.87	553125	12.72
		Haryana	1693985	7.83	357492	8.22
		Telangana	1678258	7.76	189827	4.36
		Uttar Pradesh	1396419	6.46	245524	5.65
		Karnataka	1248899	5.78	346383	7.96
		West Bengal	904858	4.18	145938	3.36
	Punjab	758511	3.51	150465	3.46	
26	COMPUTER,ELECTRONIC AND OPTICAL PRODUCTS	All India	21298155	100.00	3686355	100.00
		TOTAL OF BELOW STATE/UTs	17227475	80.89	2621833	71.12
		Uttar Pradesh	7152518	33.58	973265	26.40
		Tamil Nadu	3153474	14.81	452999	12.29
		Maharashtra	2839241	13.33	635972	17.25
		Karnataka	2149295	10.09	429273	11.64
		Andhra Pradesh	1932947	9.08	130324	3.54
27	ELECTRICAL EQUIPMENT	All India	32146203	100.00	5443585	100.00
		TOTAL OF BELOW STATE/UTs	26446704	82.27	4417839	81.16
		Maharashtra	4700340	14.62	1105956	20.32
		Haryana	2891921	9.00	429627	7.89
		Karnataka	2824196	8.79	419098	7.70
		Gujarat	2770029	8.62	381782	7.01
		Tamil Nadu	2558178	7.96	496211	9.12
		Rajasthan	2051821	6.38	301509	5.54
		Uttar Pradesh	2017161	6.27	277546	5.10
		Dadra & N Haveli & Daman & Diu	1854203	5.77	249281	4.58
		Himachal Pradesh	1727276	5.37	141838	2.61
		Telangana	1570019	4.88	288210	5.29
	Uttarakhand	1481560	4.61	326781	6.00	

**Statement 19: Share of Major States/UTs contributing at least 80% in terms of Total Output within each Industry  
(Arranged in Descending Order of Total Output)**

Section 12

Industry Code(NIC-2008)	Description	State/UT	Total Output		GVA	
			₹ Lakhs			
			Actual	Percentage	Actual	Percentage
28	MACHINERY AND EQUIPMENT N.E.C.	All India	39865057	100.00	9947722	100.00
		TOTAL OF BELOW STATE/UTs	33080067	82.98	8293459	83.39
		Maharashtra	9640843	24.18	2443735	24.57
		Tamil Nadu	6277608	15.75	1541606	15.50
		Gujarat	6048057	15.17	1564402	15.73
		Karnataka	3316933	8.32	844341	8.49
		Haryana	3216755	8.07	751747	7.56
		Punjab	2574669	6.46	666433	6.70
		Rajasthan	2005202	5.03	481195	4.84
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	All India	63186244	100.00	10581178	100.00
		TOTAL OF BELOW STATE/UTs	50843969	80.46	8298946	78.43
		Tamil Nadu	16821957	26.62	2584687	24.43
		Haryana	14389667	22.77	2421106	22.88
		Maharashtra	12776377	20.22	2389937	22.59
		Karnataka	3445235	5.45	624673	5.90
		Gujarat	3410733	5.40	278543	2.63
30	OTHER TRANSPORT EQUIPMENT	All India	21336198	100.00	4489104	100.00
		TOTAL OF BELOW STATE/UTs	17362476	81.39	3559351	79.28
		Maharashtra	4460430	20.91	968915	21.58
		Tamil Nadu	3161202	14.82	761882	16.97
		Haryana	3094801	14.50	561586	12.51
		Uttarakhand	2235135	10.48	483999	10.78
		Karnataka	1844769	8.65	373090	8.31
		Punjab	1508895	7.07	216384	4.82
		Rajasthan	1057244	4.96	193495	4.31
31	FURNITURE	All India	2361336	100.00	523016	100.00
		TOTAL OF BELOW STATE/UTs	1986797	84.13	444768	85.03
		Rajasthan	511716	21.67	106181	20.30
		Maharashtra	413739	17.52	91279	17.45
		Tamil Nadu	286722	12.14	71783	13.72
		Karnataka	214852	9.10	51294	9.81
		Uttar Pradesh	191249	8.10	48041	9.19
		Uttarakhand	127626	5.40	24081	4.60
		Haryana	123518	5.23	26197	5.01
		Telangana	117375	4.97	25912	4.95



**Statement 19: Share of Major States/UTs contributing at least 80% in terms of Total Output within each Industry  
(Arranged in Descending Order of Total Output)**

Industry Code(NIC-2008)	Description	State/UT	Total Output		GVA	
			₹ Lakhs			
			Actual	Percentage	Actual	Percentage
32	OTHER MANUFACTURING	All India	22619541	100.00	2668867	100.00
		TOTAL OF BELOW STATE/UTs	18641245	82.41	1760998	65.98
		Gujarat	5843933	25.84	729897	27.35
		Maharashtra	5656814	25.01	569775	21.35
		Tamil Nadu	3414252	15.09	291740	10.93
		Uttarakhand	2377977	10.51	51372	1.92
		Karnataka	1348269	5.96	118214	4.43
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	All India	943651	100.00	284652	100.00
		TOTAL OF BELOW STATE/UTs	782917	82.98	243009	85.37
		Maharashtra	341092	36.15	130832	45.96
		Telangana	123585	13.10	39727	13.96
		Delhi	94848	10.05	33823	11.88
		Rajasthan	83094	8.81	481	0.17
		West Bengal	59980	6.36	17928	6.30
		Karnataka	41397	4.39	6827	2.40
Gujarat	38921	4.12	13391	4.70		
38	WASTE COLLECTION, TREATMENT AND DISPOSAL ACTIVITIES; MATERIALS RECOVERY	All India	1306234	100.00	221712	100.00
		TOTAL OF BELOW STATE/UTs	1062086	81.31	144083	64.99
		Gujarat	903990	69.21	115726	52.20
		Tamil Nadu	97508	7.46	3850	1.74
Telangana	60588	4.64	24507	11.05		
58	PUBLISHING ACTIVITIES	All India	477941	100.00	204006	100.00
		TOTAL OF BELOW STATE/UTs	386907	80.95	163965	80.36
		Uttar Pradesh	72058	15.08	27436	13.45
		Kerala	51583	10.79	27754	13.60
		Gujarat	44334	9.28	14063	6.89
		Karnataka	42747	8.94	24909	12.21
		Andhra Pradesh	41329	8.65	19511	9.56
		West Bengal	38759	8.11	14722	7.22
		Telangana	38516	8.06	16280	7.98
		Tamil Nadu	29942	6.26	13939	6.83
Rajasthan	27639	5.78	5351	2.62		

**Statement 19: Share of Major States/UTs contributing at least 80% in terms of Total Output within each Industry  
(Arranged in Descending Order of Total Output)**

Section 12

Industry Code(NIC-2008)	Description	State/UT	Total Output		GVA	
		(₹ Lakhs)				
			Actual	Percentage	Actual	Percentage
	ALL INDUSTRIES	All India	880921387	100.00	161714846	100.00
		TOTAL OF BELOW STATE/UTs	726549790	82.49	130114784	80.45
		Gujarat	149635290	16.99	24226697	14.98
		Maharashtra	125360944	14.23	23968875	14.82
		Tamil Nadu	85588228	9.72	15969290	9.87
		Haryana	58963165	6.69	8139119	5.03
		Uttar Pradesh	57323389	6.51	9432839	5.83
		Karnataka	52647967	5.98	11348263	7.02
		Andhra Pradesh	44112137	5.01	7111041	4.40
		Rajasthan	35664573	4.05	6872125	4.25
		West Bengal	34994845	3.97	5609297	3.47
		Madhya Pradesh	28355355	3.22	5165322	3.19
		Odisha	27459491	3.12	5797916	3.59
		Telangana	26444406	3.00	6474000	4.00

रजिस्ट्री सं० डी० एल०—(एन)04/0007/2003—09

REGISTERED NO. DL—(N)04/0007/2003—09



# भारत का राजपत्र The Gazette of India

असाधारण

EXTRAORDINARY

भाग II — खण्ड I

PART II — Section 1

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 8] नई दिल्ली, शुक्रवार, जनवरी 9, 2009/पौष 19, 1930  
No. 8] NEW DELHI, FRIDAY, JANUARY 9, 2009 / PAUSA 19, 1930

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
Separate paging is given to this Part in order that it may be filed as a separate compilation.

## MINISTRY OF LAW AND JUSTICE

(Legislative Department)

New Delhi, the 9th January, 2009/Pausa 19, 1930 (Saka)

The following Act of Parliament received the assent of the President on the 7th January, 2009, and is hereby published for general information:—

### THE COLLECTION OF STATISTICS ACT, 2008

No. 7 OF 2009

[7th January, 2009.]

An Act to facilitate the collection of statistics on economic, demographic, social, scientific and environmental aspects, and for matters connected therewith or incidental thereto.

BE it enacted by Parliament in the Fifty-ninth Year of the Republic of India as follows:—

#### CHAPTER I

##### PRELIMINARY

1. (1) This Act may be called the Collection of Statistics Act, 2008.
- (2) It extends to the whole of India except the State of Jammu and Kashmir.
- (3) It shall come into force on such date as the Central Government may, by notification in the Official Gazette, appoint.
2. In this Act, unless the context otherwise requires,—
  - (a) “agency” includes a person or persons engaged by the appropriate Government, directly or by outsourcing, for collection of statistics;
  - (b) “appropriate Government” means—
    - (i) any Ministry or Department in the Central Government; or

Short title,  
extent and  
commence-  
ment.

Definitions

(ii) any Ministry or Department in a State Government or Union territory Administration; or

(iii) any local government that is to say, Panchayats or Municipalities, as the case may be,

in relation to the collection of statistics under a direction issued by it under section 3;

(c) "informant" means any person, who supplies or is required to supply statistical information and includes a owner or occupier or person in-charge or his authorised representative in respect of persons or a firm registered under the Indian Partnership Act, 1932 or a co-operative society registered under any Co-operative Societies Act or a company registered under the Companies Act, 1956 or a society registered under the Societies Registration Act, 1860 or any association recognised or registered under any law for the time being in force;

9 of 1932.  
1 of 1956.  
21 of 1860.

(d) "information schedule" means any book, document, form, card, tape, disc or any storage media on which information required is entered or recorded or is required to be entered or recorded for statistical purposes under this Act;

(e) "prescribed" means prescribed by rules made under this Act;

(f) "sampling" means a statistical procedure by which information relating to a particular field of inquiry is derived by applying statistical techniques to information obtained in respect of a proportion of the total number of persons or units concerned relevant to the field of inquiry;

(g) "statistical survey" means a census or a survey, whereby information is collected from all the informants in the field of inquiry or from a sample thereof, by an appropriate Government under this Act or any other relevant Act, wholly or primarily for the purposes of processing and summarising by appropriate statistical procedures;

(h) "statistics" means statistics derived by collecting, classifying and using statistics, specially in or for large quantities or numbers by appropriate Government from statistical surveys, administrative and registration records, and other forms and papers, the statistical analysis of which are, whether in a published or unpublished form;

(i) "statistics officer" means any officer appointed under section 4 for the purposes of any direction issued under section 3 of this Act.

## CHAPTER II

### COLLECTION OF STATISTICS

Collection of statistics.

3. The appropriate Government may, by notification in the Official Gazette, direct that the statistics on economic, demographic, social, scientific and environmental aspects shall be collected through a statistical survey or otherwise, and thereupon the provisions of this Act shall apply in relation to those statistics:

Provided that—

(a) nothing contained in this section shall be deemed to authorise a State Government or Union territory Administration or any local government to issue any direction with respect to the collection of statistics relating to any matter falling under any of the entries specified in List I (Union List) in the Seventh Schedule to the Constitution; or

(b) where the Central Government has issued any direction under this section for the collection of statistics relating to any matter, no State Government or Union territory Administration or any local government shall, except with the previous approval of the Central Government, issue any similar direction for so long as the collection of such statistics by the Central Government remain to be completed; or

(c) where a State Government or Union territory Administration or any local government has issued a direction under this section for the collection of statistics relating to any matter, the Central Government shall not issue any similar direction for so long as the collection of such statistics by the State Government remain to be completed, except in cases where such statistics have to be collected with reference to two or more States or Union territories.

4. (1) The appropriate Government may appoint or cause to appoint an officer to be the statistics officer for any geographical unit for the purpose of collecting any statistics directed by it.

Powers of appropriate Government to appoint statistics officer, etc.

(2) The appropriate Government may appoint any agency or persons working in such agencies to take, or aid in, or supervise the collection of the statistics within any specified geographical unit and such agencies or persons, when so appointed, shall be bound to serve accordingly.

(3) The appropriate Government may employ on contract basis any agency or company or organisation or association or person, on such terms and conditions and on such safeguards as may be prescribed, for the purpose of collecting the statistics directed by it.

(4) The appropriate Government may delegate to any statistics officer, as it thinks fit, the power of appointing agencies or persons working in such agencies or employing on contract basis any agency or company or organisation or association of persons, conferred on it by sub-sections (2) and (3) within the geographical unit for which such statistics officer is appointed.

(5) The appropriate Government may, by order specify the form, the particulars required or the interval within which, and the statistics officer to whom, the statistical information by the informants shall be furnished.

(6) The appropriate Government may, by order published in the Official Gazette, delegate to any statistics officer, as it thinks fit, any power conferred under sub-section (5) for the purpose of the collection of statistics under a direction issued by it under section 3.

5. The statistics officer may, for the purpose of collection of statistics on any specified subject in any geographical unit for which the said officer was appointed—

Power of statistics officer to call for information.

(a) serve or cause to be served on any informant a notice in writing asking him to furnish the information specified under sub-section (5) of section 4 or cause a information schedule to be given to any informant for the purpose of its being filled up; or

(b) cause all questions relating to the subject to be asked from any informant; or

(c) seek information through tele fax or telephone or e-mail or in any other electronic mode or in a combination of different modes for different sets of information so specified.

6. The informants who are asked to furnish any information under the provisions of this Act shall be bound to furnish the information so asked in the prescribed manner to the best of knowledge or belief; and in cases where only a portion of a particular class or group of persons or units is asked to furnish information because of any sampling procedure, it shall not be a defence in failure on the part of any informant to furnish that information, if so asked.

Duty of informants.

7. Every agency shall render such help and assistance and furnish such information to the statistics officer or a person or an agency authorised by him in writing, as he may require for the discharge of his functions, and shall make available for inspection and examination of such records, plans and other documents, as may be necessary.

All agencies to assist.

Right of access to records or documents.

8. The statistics officer or any person authorised by him in writing in this behalf shall, for the purposes of collection of any statistics under this Act, have access to any relevant record or document in the possession of any informant required to furnish any information under this Act, and may enter at any reasonable time any premises where he believes such record or document is kept and may inspect or take copies of relevant records or documents or ask any question necessary for obtaining any information required to be furnished under this Act.

### CHAPTER III

#### DISCLOSURE OF INFORMATION IN CERTAIN CASES AND RESTRICTIONS OF THEIR USE

Security of information.

9. (1) Any information furnished to the statistics officer or to any person or agencies authorised under this Act shall only be used for statistical purposes.

(2) No person other than a person engaged in the work of collection of statistics under this Act or preparation of statistics resultant to such collection shall be permitted to see any information schedule or any answer to a question asked, except for the purposes of a prosecution under this Act.

(3) No information contained in any information schedule and no answer to any question asked shall, except for the purposes of a prosecution under this Act, be separately published, or disclosed without suppressing the identification of informants to any agency.

(4) All statistical information published by any agency shall be arranged in such a manner so as to prevent any particulars becoming identifiable by any person (other than the informant by whom those particulars were supplied) as the particulars relating to the informant who supplied it, even through the process of elimination, unless—

(a) that informant has consented to their publication in that manner; or

(b) their publication in that manner could not reasonably have been foreseen by the concerned agency or any employee thereof.

(5) For the purposes of sub-section (4), the Central Government may make such rules or make such arrangement, as it may consider necessary.

Appropriate Government authorised to disclose certain information.

10. Notwithstanding the provisions contained in section 9 of this Act, the appropriate Government may disclose the following information, namely:—

(a) information supplied by informant in respect of which disclosure is consented to in writing by the informant or by any person authorised by the said informant;

(b) information otherwise available to the public under any Act or as a public document;

(c) information in the form of an index or list of the names and addresses of informants together with the classification, if any, allotted to them and the number of persons engaged.

Disclosure of information schedules for bona fide research or statistical purposes.

11. (1) Notwithstanding the provisions contained in section 9 of this Act, the appropriate Government may disclose individual returns or formats or information schedules to other agency or person or institutions or universities solely for *bona fide* research or statistical purposes pursuant to their functions and duties.

(2) No individual return or information schedule shall be disclosed pursuant to this section unless —

(a) the name and address of the informant by whom the schedule or related information was supplied is deleted;

(b) every agency or person or institutions or Universities involved in the research or statistical project makes a declaration to use the schedules disclosed to them only for *bona fide* research or statistical purposes; and

(c) the appropriate Government, making such disclosure is satisfied that the security of the schedules and any information contained therein shall not be impaired.

(3) The published results of any research or statistical project shall not divulge any more information than what the agency authorised for collection of statistics could publish under this Act.

(4) Every agency or person or institutions or universities to whom any individual return or information schedule is disclosed under this section shall comply with directions given by the agency authorised for collection of statistics making the disclosure relating to the schedules and any information contained therein.

12. Notwithstanding anything contained in section 9 of this Act, the appropriate Government may release such documents relating to information schedules, which in its opinion have attained historical importance.

Disclosure of historical documents.

13. The statistics officer or any person or agency authorised for collection of statistics shall, while copying or recording any statistical information collected pursuant to this Act from individual returns, information schedules, worksheets or any other confidential source by means of cards, tapes, discs, film or any other method, whether using encoded or plain language symbols for processing, storage or reproduction of particulars, take and cause to take such steps as are necessary to ensure that the security provisions of this Act are complied with.

Security of recorded information.

14. Save as otherwise provided under this Act,—

(a) no information obtained pursuant to this Act and no copy of the information in the possession of any informant shall be disclosed or used as evidence in any proceedings whatsoever; and

Restrictions on use of information.

(b) no person who has access to any information because of his official position in the collection of any statistics shall be compelled in any proceedings whatsoever to give oral testimony regarding the information or to produce any schedule, document, or record with respect to any information obtained in the course of administering this Act,

except in the manner provided under this Act.

#### CHAPTER IV

##### OFFENCES AND PENALTIES

15. (1) Whoever, fails to produce any books of accounts, vouchers, documents or other business records or whoever neglects or refuses to fill in and supply the particulars required in any information schedule or return given or sent to him or whoever neglects or refuses to answer any question or inquiry addressed to him as may be required under or for the purposes of any provision of this Act and the rules made thereunder, shall be punishable with a fine which may extend to one thousand rupees or, in the case of a company, with a fine which may extend to five thousand rupees.

Penalty for neglect or refusal to supply particulars.

(2) The conviction of a person or company for an offence shall not relieve him or it of the obligations under sub-section (1) and if after the expiry of fourteen days from the date of conviction, he or it still fails to give the required particulars or continues to neglect or refuses to fill in and supply the particulars or to answer the question or inquiry, then he or it shall be punishable with a further fine which may extend to one thousand rupees or, in the case of a

company, with a fine which may extend to five thousand rupees, for each day after the first during which the failure continues.

Penalty for making false statement.

16. Whoever, wilfully makes any false or misleading statement or material omission in any information schedule or return filled in or supplied, or in answer to any question asked to him under this Act or the rules made thereunder, shall be punishable with simple imprisonment for a term which may extend to six months or with a fine which may extend to one thousand rupees or, in the case of a company, with a fine which may extend to five thousand rupees or with both.

Penalty for mutilation or defacement of information schedule.

17. Whoever, destroys, defaces, removes, or mutilates any information schedule, form, or other document containing particulars collected under this Act or requesting any such particulars, shall be punishable with simple imprisonment for a term which may extend to six months or with a fine which may extend to two thousand rupees or, in the case of a company with a fine which may extend to ten thousand rupees or with both.

Penalty for obstruction of employees.

18. Whoever, interferes with, hinders, or obstructs any employee in the exercise of any power or duty conferred by this Act, shall be punishable with simple imprisonment for a term which may extend to six months or with a fine which may extend to two thousand rupees or, in the case of a company with a fine which may extend to ten thousand rupees or with both.

Penalty for other offences.

19. Whoever—

(a) acts in contravention of or fails to comply with any provision of this Act or any requirement imposed under this Act; or

(b) wilfully deceives or attempts to deceive any statistics officer or any agency or any employee thereof,

shall be punishable with simple imprisonment for a term which may extend to six months or with a fine which may extend to two thousand rupees or, in the case of a company, with a fine which may extend to ten thousand rupees or with both.

Penalty for failure to carry out duties and functions by employees.

20. If any person employed in the execution of any duty or functions under this Act,—

(a) omits without lawful excuse to carry out his duty, or knowingly makes any false declaration, statement or return; or

(b) pretends performance of his duties or obtains or seeks to obtain information which he is not authorised to obtain; or

(c) fails to keep inviolate the secrecy of the information gathered or entered in the information schedules collected pursuant to this Act and, except as permitted under this Act, divulges the contents of any schedule filled in or any information furnished by any informant under this Act,

shall be punishable with simple imprisonment for a term which may extend to six months or with a fine which may extend to two thousand rupees or, in the case of a company, with a fine which may extend to ten thousand rupees or with both.

Penalty for impersonation of employee.

21. Whoever, not being authorised to collect statistics under the provisions of this Act, by words, conduct or demeanor pretends that he is authorised to do so, shall be punishable with simple imprisonment for a term which may extend to six months or with a fine which may extend to two thousand rupees or, in the case of a company, with a fine which may extend to ten thousand rupees or with both.

General penalty.

22. Whoever, commits an offence under this Act for which no penalty is prescribed elsewhere than in this section, shall be punishable with simple imprisonment for a term which may extend to six months or with a fine which may extend to two thousand rupees or, in the case of a company, with a fine which may extend to ten thousand rupees or with both.



23. (1) Where an offence under this Act has been committed by a company, every person who at the time the offence was committed was in charge of, and was responsible to, the company for the conduct of the business of the company, as well as the company, shall be deemed to be guilty of the offence and shall be liable to be proceeded against and punished accordingly:

Offences by companies.

Provided that nothing contained in this sub-section shall render any such person liable to any punishment provided in this Act, if he proves that the offence was committed without his knowledge or that he had exercised all due diligence to prevent the commission of such offence.

(2) Notwithstanding anything contained in sub-section (1), where an offence under this Act has been committed by a company and it is proved that the offence has been committed with the consent or connivance of, or is attributable to, any neglect on the part of any director, manager, secretary or other officer of the company, such director, manager, secretary or other officer shall also be deemed to be guilty of the offence and shall be liable to be proceeded against and punished accordingly.

*Explanation.*—For the purpose of this section—

(a) “company” means any body corporate and includes a firm or other association of individuals; and

(b) “Director”, in relation to a firm, means a partner in the firm.

24. No court shall take cognizance of any offence under this Act except on a complaint made by the appropriate Government or an officer authorised in this behalf by such appropriate Government or, as the case may be, the statistics officer, and no court inferior to that of a Metropolitan Magistrate or a Judicial Magistrate of the first class shall try any offence punishable under this Act.

Cognizance of offences.

25. No prosecution for an offence committed by any informant shall be instituted except by or with the sanction of the statistics officer, and no prosecution for an offence committed by persons other than informants shall be instituted except by or with the consent of the appropriate Government.

Sanction for prosecution for offence.

2 of 1974.

26. Notwithstanding anything contained in the Code of Criminal Procedure, 1973, all offences under this Act shall be tried in a summary way by a Judicial Magistrate of the first class or by a Metropolitan Magistrate and the provisions of sections 262 to 265 (both inclusive) of the said Code shall, as far as may be, apply to such trial:

Power of court to try cases summarily.

Provided that when in the course of, a summary trial under this section it appears to the Magistrate that the nature of the case is such that it is, for any reason, undesirable to try the case summarily, the Magistrate shall after hearing the parties, record an order to that effect and thereafter recall any witness who may have been examined and proceed to hear or rehear the case in the manner provided by the said Code.

## CHAPTER V

### POWER IN RESPECT OF CORE STATISTICS

27. Without prejudice to the provisions contained in this Act, the Central Government may, by notification in the Official Gazette, declare from time to time any subject for the collection of statistics of national importance as ‘core statistics’ and make such arrangement, as it may consider necessary, for regulating the collection and dissemination of statistics on the subject so declared.

Power in respect of core statistics.

## CHAPTER VI

### MISCELLANEOUS

28. The Central Government may give directions to any State Government or Union territory Administration or to any local government that is to say Panchayats or Municipalities, as to the carrying into execution of this Act in the State or Union territory or Panchayats or Municipalities, as the case may be.

Power to give directions.

29. Any statistics officer and any person authorised for the collection of statistics or preparation of official statistics under the provisions of this Act shall be deemed to be a public servant within the meaning of section 21 of the Indian Penal Code, 1860.

Public servants.

45 of 1860.

## THE GAZETTE OF INDIA EXTRAORDINARY [PART II—SEC. 1]

Bar of jurisdiction.

30. No civil court shall have jurisdiction to entertain any suit or proceeding in respect of any matter which the appropriate Government or the statistics officer or the agency is empowered by or under this Act to determine, and no injunction shall be granted by any court or other authority in respect of any action taken or to be taken in pursuance of any power conferred by or under this Act.

Protection of action taken in good faith.

31. No suit or other legal proceedings shall lie against the appropriate Government or agency or any statistics officer or other officers or employees in respect of anything which is in good faith done or intended to be done in pursuance of this Act or the rules or directions issued thereunder.

Overriding effect.

32. The provisions of this Act shall have effect notwithstanding anything inconsistent therewith contained in any other law for the time being in force except in relation to the conduct of human population census as per the directions, if any, issued under the Census Act, 1948.

37 of 1948.

Power to make rules.

33. (1) The Central Government may, by notification in the Official Gazette, make rules for carrying out the provisions of this Act.

(2) In particular, and without prejudice to the generality of the foregoing power, the Central Government may make rules under this section for all or any of the following matters, namely:—

(a) principles for coordinating as effectively as possible to achieve the objectives of section 3 including nomination and registration of statistics officers by the Central Government and also to avoid unnecessary duplication in the collection of statistics;

(b) the terms, conditions and safeguards under which any person or agency or company or organisation or association may be engaged by the appropriate Government for the purpose of collection of statistics under sub-section (3) of section 4;

(c) principles for prescribing the form and manner in which the information may be required to be furnished;

(d) principles for prescribing the manner in which the right of access to documents and the right of entry conferred by section 8 may be exercised; and

(e) any other matter which is to be or may be prescribed under this Act.

(3) Every rule made by the Central Government under this Act shall be laid, as soon as may be after it is made, before each House of Parliament, while it is in session, for a total period of thirty days which may be comprised in one session or in two or more successive sessions, and if, before the expiry of the session immediately following the session or the successive sessions aforesaid, both Houses agree in making any modification in the rule or both Houses agree that the rule should not be made, the rule shall thereafter have effect only in such modified form or be of no effect, as the case may be; so, however, that any such modification or annulment shall be without prejudice to the validity of anything previously done under that rule.

Repeal and savings.

34. (1) The Collection of Statistics Act, 1953 is hereby repealed.

32 of 1953.

(2) Notwithstanding such repeal, anything done or any action taken under the said Act shall be deemed to have been done or taken under the corresponding provisions of this Act.

(3) All rules made under the said Act shall continue to be in force and operate till new rules are made under this Act.

T. K. VISWANATHAN,  
Secy. to the Govt. of India.

PRINTED BY THE GENERAL MANAGER, GOVT. OF INDIA PRESS, MINTO ROAD, NEW DELHI  
AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 2009.

GMGIPMRND—86G1—10-01-2009.

**MINISTRY OF STATISTICS AND PROGRAMME IMPLEMENTATION****NOTIFICATION**

New Delhi, the 16th May, 2011

**G.S.R. 387(E).**— In exercise of the powers conferred by section 33 of the Collection of Statistics Act, 2008 (7 of 2009), the Central Government hereby makes the following rules, namely:-

**COLLECTION OF STATISTICS RULES, 2011**

**1. Short title and commencement:** (1) These rules may be called the Collection of Statistics Rules, 2011.

(2) They shall come into force on the date of their publication in the Official Gazette.

**2. Definitions:** (1) In these rules, unless the context otherwise requires –

- (a) 'Act' means the Collection of Statistics Act, 2008;
- (b) "Form" means a form appended to these rules;
- (c) 'nodal officer' means an officer designated as nodal officer under rule 3 of these rules;
- (d) "personal information" means any information, whether true or not, and whether recorded in a material form or not, about an informant whose identity can reasonably be ascertained from such information;
- (e) "reference period" means the time period over which the data collected reflects the characteristics of the units of enumeration;
- (f) "State Government", in relation to a Union territory, means the Administration thereof; and
- (g) "outsourcing" means making use of the services of a private service provider for the purposes of these rules.

(2) Words and expressions used but not defined herein shall have the meanings respectively assigned to them in the Act.

**3. Nodal officer.** – (1) The Central Government shall designate an officer not below the rank of a Joint Secretary to the Government of India in a nodal Department dealing with statistical matters, as the nodal officer for exercising powers and performing duties under these rules.

(2) Every State Government shall designate an officer not below the rank of a Deputy Secretary to the State Government in a nodal Department dealing with statistical matters, as the nodal officer for exercising powers and performing duties under these rules.

**4. Powers and duties of nodal officer.** - (1) The nodal officer designated by the Central Government under sub-rule (1) of rule 3 shall –

- (a) maintain and update register of statistics officers appointed by the Central Government;
- (b) obtain and maintain, from time to time, information on availability of statistics including unit-level data, whether collected under the provisions of the Act or not, with different Departments of the Central Government and nodal officers in the States;
- (c) advise the Departments of the Central Government and the nodal officers in the States on steps to improve the statistical potential of administrative records to avoid conducting separate statistical surveys to collect statistics contained or purported to be contained in such administrative records;
- (d) issue instructions from time to time on promoting the sharing of statistical information including unit-level data among different Departments of the Central Government and States to avoid unnecessary duplication of programmes of collection of statistics and resolve disputes or differences of opinion, if any, among them on the issue; and
- (e) submit annual report to the Central Government on the working.

(2) The nodal officer designated by the State Government under sub-rule (2) of rule 3 shall –

- (a) maintain and update a register of statistics officers appointed from time to time in the State;
- (b) obtain and maintain from time to time information on availability of statistics including unit-level data, whether collected under the provisions of the Act or not, with different Government Departments and local governments in the State;
- (c) advise the Departments of the State Government and local governments in the State on steps to improve the statistical potential of administrative records to avoid conducting separate statistical surveys to collect statistics contained or purported to be contained in such administrative records;

- (d) issue instructions from time to time on promoting the sharing of statistical information including unit-level data among Departments of the State Government and local governments in the State to avoid unnecessary duplication of programmes of collection of statistics and resolve disputes or differences of opinion, if any, among them on the issue; and
- (e) obtain reports, as may be required, on the working of this Act from Government Departments and local governments in the State and submit annual reports on the working of this Act in the State to the nodal officer appointed by the Central Government.

**5. Direction on collection of statistics.-** (1) Any Department in a State Government or any local government in a State shall, before making a direction under section 3 of the Act for collection of statistics on any subject for any reference period in any geographical unit under its jurisdiction, consult the nodal officer in the State to avoid unnecessary duplication in collection of statistics.

(2) Any Department of the Central Government shall, before making a direction under section 3 of the Act for collection of statistics on any subject for any reference period in any geographical unit under its jurisdiction, consult the nodal officer of the Central Government to avoid unnecessary duplication in collection of statistics.

(3) The nodal officer shall, on receipt of any request under sub-rule (1) or sub-rule (2), as the case may be, within a period of one month render such advice as may be necessary to the concerned office to avoid unnecessary duplication in collection of statistics.

(4) The appropriate Government on receipt of advice under sub-rule (3) shall communicate to the nodal officer, the reasons in all cases of disagreement with such advice, at least fifteen days prior to issuing notification under section 3 of the Act.

(5) Every notification under section 3 of the Act shall contain the following particulars, namely: -

- (a) subject and purpose for collection of statistics;
- (b) geographical area for collection of statistics;
- (c) method of data collection;
- (d) nature of informants from whom data may be collected;
- (e) period during which collection of statistics may be completed;
- (f) reference period;
- (g) nature of information to be collected;
- (h) language in which information is to be furnished by informant;
- (i) obligation of informant;

- (j) nature of business records and other records which may be inspected; and
- (k) the manner of inspection.

(6) A copy of every notification referred in sub-rule (5) shall be forwarded to the nodal officer of the Central Government and the nodal officer of the State concerned.

**6. Principles for prescribing information schedules.** - In respect of prescribing any information schedule for collection of statistics on any subject, the appropriate Government or a statistics officer, as the case may be, shall satisfy itself that –

- (i) it has authority to direct collection of statistics on the subject under the Act subject to the restrictions given in the proviso to section 3 of the Act;
- (ii) it has, for the purpose of finalising items on which information is to be collected, consulted the nodal officer to include the requirements of other Government Departments;
- (iii) excessive demands would not be placed on the informants by making the direction and for the purpose field testing of information schedules has been carried out where necessary;
- (iv) the range and detail in the information schedules specified for collection of statistics on any subject shall be limited to what is absolutely necessary;
- (v) the reporting burden shall be spread as widely as possible over informant populations through appropriate sampling;
- (vi) the information sought from business shall, as far as possible, be readily available from their accounts and electronic means are used where possible to facilitate their collection;
- (vii) best estimates and approximations on any item of information sought shall be accepted when exact details are not readily available with any informant;
- (viii) each information schedule used for collecting statistics from any informant has, where necessary, a provision for particulars on which information may be furnished at the discretion of the informant;
- (ix) provision is made in each information schedule for filling up the details and appending the signature of the person concerned who would be engaged in the collection of statistics;
- (x) indicate in each information schedule, for general information of informants prior to collection of statistics from them under the Act, its plan, if any, to disclose any information collected from them which in the opinion of the appropriate Government is otherwise available to the public under any other Act or as a public document or which is in the form of an index or list of the names and addresses of informants together with the classification, if any, allotted to them and the number of persons engaged; and

- (xi) make a provision in each information schedule to obtain written consent from each informant whose information other than the information covered in clause (x), it proposes to disclose.

**7. Appointment of statistics officers.** - (1) Every notification under section 4 of the Act appointing the statistics officer shall contain the following particulars, namely: -

- (a) name, designation and address of the officer appointed as statistics officer for each geographical unit for collection of statistics;
- (b) details of any agency or company or organisation or association or person engaged for collection of statistics, and, terms and conditions of engagement and safeguards laid down for the purpose;
- (c) the form and the particulars required or the interval within which, and the statistics officer to whom, the statistical information by the informants shall be furnished; and
- (d) the powers, if any, delegated under sub-sections (4) or (6) of section 4 the Act to any statistics officer.

(2) Every statistics officer, immediately on his appointment, shall submit an undertaking in Form-I to the appropriate Government.

**8. Registration of statistics officers.** - The appropriate Government shall maintain a record of statistics officers in respect of their appointment, their terms and geographical areas for which they have been appointed, in Form-II.

**9. Powers and functions of a statistics officer.** - A statistics officer, appointed for the purposes of collection of statistics on any subject in any geographical unit, shall -

- (i) take, aid in and supervise the collection of statistics;
- (ii) cause agencies to be appointed or engaged for collection of statistics;
- (iii) obtain undertaking from all the persons engaged in the collection of statistics in Form-I and forward them to the appropriate Government or to an officer authorised for the purpose by that Government;
- (iv) devise or cause to devise relevant information schedules and the mode or modes of collection of statistics;
- (v) allot or cause to allot work of collection of statistics in his jurisdiction to different persons and agencies engaged for the purpose;
- (vi) provide all the relevant material to be distributed to agencies engaged and arrange for their training for facilitating collection of statistics;
- (vii) cause to provide necessary publicity for collection of statistics at an appropriate time;
- (viii) coordinate the work of all agencies during the period of collection of statistics and maintain liaison with local authorities for smooth conduct of the collection of statistics;

- (ix) cause notices to informants for furnishing information issued under his signature, where necessary and cause acknowledgements received from such informants, to be kept in safe custody;
- (x) take steps, in case of statistical surveys having the same set of informants with different reference periods, to issue only one notice to each informant indicating therein the information required to be furnished and the reference periods for which the information is required;
- (xi) cause entry of persons authorised by him in writing and carrying a photo-identity card issued by him into any premises of any informant for collection of statistics;
- (xii) cause necessary assistance provided to informants requiring such assistance for furnishing the information sought;
- (xiii) cause access to any informant to the information collected from that informant for facilitating intimation of corrections or amendments on any inaccurate information;
- (xiv) cause verification of information furnished by any informant;
- (xv) based on complaints or otherwise, take action against erring persons and others in accordance with the provisions of the Act and these rules;
- (xvi) obtain from the agencies engaged in the collection of statistics, all the information schedules, all the undertakings obtained from persons engaged in collection of statistics, all other relevant records and documents on completion of their work and forward them with a certificate to that effect to the appropriate Government or to any officer authorised by that Government;
- (xvii) carry out such other tasks as may be necessary for the successful collection of statistics; and
- (xviii) submit periodical reports as may be specified by the appropriate Government.

**10. Assistance in collection of statistics.** - (1) Every Department of the Central Government or the State Government or the local governments shall furnish within such time and in such form as required, the list of informants and other information which is available with them, relevant for conducting any statistical survey under these rules to a statistics officer or any agency or person authorised by the appropriate Government upon receipt of a notice to that effect.

(2) The appropriate Government or a statistics officer, as the case may be, may write to any Department of the Central Government or the State Government or any local government specifying the nature of assistance required for collection of statistics under the Act and upon receipt of such communication, the latter shall comply with the requirement to the extent feasible.

(3) In cases of collection of statistics in disturbed areas, the police, the paramilitary and the armed forces shall provide such assistance as would be required by the concerned statistics officer.



**11. Duty to furnish information.** - Subject to the provisions of section 6 of the Act,

(1) every informant shall, on demand, produce or give a copy of any books of accounts, vouchers, documents, or other business records or personal records or documents in his possession relevant to collection of statistics under the Act to any statistics officer or any person authorised by him in writing and carrying a photo-identity card issued by him, and the statistics officer or the authorised person, as the case may be, may take a copy or extract of such record or document; and

(2) the head of every family shall be responsible to furnish or cause to furnish the correct details of name and number of members, other particulars, records and documents, as may be required, of the family of which he is the head including dependants:

provided that in so far as inmates of institutions, such as orphanages, old age homes, and mental asylums are concerned, the responsibility for providing or causing to provide the requisite details, records and documents shall lie with the head of the Institution.

**12. General terms, conditions and safeguards for outsourcing.** - Every contract or arrangement for collection of statistics under the Act by any person or agency or company or organisation or association shall be subject to the following terms, conditions, and safeguards, namely: -

- (a) outsourcing arrangements shall be subject to a formal and comprehensive written contract;
- (b) functions which are to be decided and enforced by the appropriate government under the Act shall not be outsourced;
- (c) appropriate Government or a statistics officer authorised for the purpose by that Government shall have a right, of information and conduct or order on-site inspections in an outsourcing service provider's premises or place of work and right to cancel contract in case of unsatisfactory performance;
- (d) every agency, engaged in collection of statistics, shall render such help and assistance and furnish such information to the statistics officer or a person or an agency authorised by him in writing, as he may require for the discharge of his functions, and shall make available for inspection and examination such records, plans and other documents, as may be necessary;
- (e) persons engaged by any agency for collection of statistics, are made aware of the agency's obligations, and they shall submit a written undertaking in Form-I to the concerned statistics officer not to access, use, disclose or retain personal information except in performing their duties of employment or contractual obligations; and are informed that failure to comply with the provisions of the Act and these rules may be an offence rendering themselves for punishment as per the provisions of the Act;

- (f) each person engaged in any activity relating to the collection of statistics shall be bound by the provisions of the Act and these rules, the violation of which shall render him punishable as per the provisions of the Act;
- (g) provisions relating to disclosure of information and restrictions of their use under sections 9, 10, 11, 12, 13 and 14 of the Act and these rules shall have effect during the period of collection of statistics provided in the contract and shall continue to have effect even after the termination or completion of the contract, as the case may be;
- (h) the appropriate Government or any statistics officer on receipt of any complaint shall immediately communicate the agency engaged in collection of statistics of only those details of the complaint, as may be necessary to minimize any breach or prevent further breaches of the agreement or failure to comply with any of the provisions of the Act or these rules;
- (i) if any agency engaged in collection of statistics receives any complaint from any informant, it shall immediately communicate the complaint to the appropriate Government or the concerned statistics officer, as may be required;
- (j) the appropriate Government or the statistics officer may, on receipt of any communication under clauses (h) or (i), give directions, as may be necessary, to the agency; and
- (k) the statistics officer and every person engaged in the collection of statistics shall, on completion of their work, handover all the records and documents and furnish a certificate to that effect to the appropriate Government or to an officer authorised for the purpose by that Government.

**13. Restrictions on use of personal information.** - Each agency engaged in collection of statistics shall take all reasonable measures to ensure that -

- (a) personal information is protected against unauthorised access, disclosure or other misuse;
- (b) the agency uses personal information only for the purpose of fulfilling its obligations under a specified contract;
- (c) in case of repetitive statistical surveys with a common set of informants, the agency uses the personal information earlier collected only for the purpose of setting up interviews with or otherwise contacting informants; and
- (d) the agency uses personal information for data processing only with adequate security checks.

**14. Right of entry into any premises of informants.** - A statistics officer or any person authorised by him in writing and carrying a photo-identity card issued by the statistics officer, shall, during the period of collection of statistics for the purpose of collection of statistics under the Act or for inspection and examination of records, and documents in connection with it, during 10.00 hrs to 17.00 hrs on any day or at a time mutually convenient to both the parties have the right to enter the premises of any informant in the portion of the premises normally entered by visitors or guests or as suggested by the informant.

**15. Processing of complaints -** (1) In cases of alleged offences committed by any informant as per provisions of the Act, any statistics officer, after making such inquiries as deemed fit, may cause a notice issued to the informant in writing to show cause within a reasonable period to be specified in the notice as to why prosecution under the Act shall not be sanctioned for committing the alleged offence.

(2) A statistics officer shall consider the explanation, if any, furnished by the informant in pursuance to the notice issued under sub-rule (1), and after satisfying himself, for reasons to be recorded in writing, sanction for institution of prosecution of the informant.

(3) In case of any alleged offences committed by any person other than an informant, the appropriate Government may, after making such inquiries as deemed fit, cause a notice issued to the person in writing to show cause within a reasonable period to be specified in the notice as to why prosecution under the Act shall not be sanctioned for committing the alleged offence.

(4) The appropriate Government may, if it considers necessary, send a copy of the show-cause notice issued under sub-rule (3) of this rule and the explanation, if any, received from the alleged offender to the concerned statistics officer and obtain his recommendation on it, and after considering the explanation of the alleged offender and recommendation of statistics.

**16. Storage of data and records.** - Subject to the provisions of section 13 of the Act, the appropriate Government or an officer authorised by that Government shall, provide details by which any informant could access his own information for facilitating intimation of corrections or amendments on any inaccurate information, store the statistics collected under the provisions of the Act in such a manner as would facilitate easy retrieval of information collected from any informant so as to provide access to the informant, if necessary and keep all the undertakings and other material obtained from the statistics officers and other persons or agencies engaged in collection of statistics in safe custody.

**Form-I**

[See rules 7 (2), 9 (iii), 12 (e)]

Undertaking by statistics officer and other persons to be engaged in any capacity for collection of statistics under the provisions of the Collection of Statistics Act, 2008 (7 of 2009)

I, \_\_\_\_\_ (Full Name), born on \_\_\_\_ (Date of birth), son/ daughter/ wife of \_\_\_\_\_ (Name of person) resident of \_\_\_\_\_ (address) do hereby solemnly affirm, that I accept the responsibility \_\_\_\_\_ (nature of work) assigned to me for collection of statistics in respect of \_\_\_\_\_ (direction under section 3 of the Act) under the Collection of Statistics Act, 2008 (7 of 2009) and the Collection of Statistics Rules, 2011, that I shall not access, use, disclose or retain personal information of any informant except in performing my duties of employment or contractual obligations in respect of collection of statistics, and that in case of any violation on my part to comply with the provisions of the Act and the rules made thereunder, and I shall render myself punishable as per the provisions of the Act.

Place: \_\_\_\_

Date: \_\_\_\_

Signature of statistics officer or the person engaged in any capacity for collection of statistics

**Form-II**  
(See rule 8)

**Register of statistics officers to be maintained by the appropriate Government**

1. Details of the direction issued under section 3 of the Collection of Statistics Act, 2008:
2. Name and address of the appropriate Government making direction:
3. Details of statistics officers appointed for collection of statistics under the aforesaid direction:

S. No.	Name of statistics officer	Permanent address	Educational qualifications and experience, if any, in collection of statistics	Geographical unit for which appointed and period of appointment	Powers, if any, delegated under section 4 (4) and (6) of the Act
(1)	(2)	(3)	(4)	(5)	(6)

Date of appointment	Date of termination of appointment
(7)	(8)

Place: \_\_\_\_\_

Date: \_\_\_\_\_

Signature with office seal of the officer  
responsible for maintaining  
the record of statistics officers

[F. No. M-15011/1/2007-Admn. III]

Prof. T.C.A. ANANT, Secy.

रजिस्ट्री सं० डी० एल०—(एन)04/0007/2003—17

REGISTERED NO. DL—(N)04/0007/2003—17



# भारत का राजपत्र The Gazette of India

असाधारण

EXTRAORDINARY

भाग II — खण्ड 1

PART II — Section 1

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 31] नई दिल्ली, शनिवार, अगस्त 5, 2017/ श्रावण 14, 1939 (शक)  
No. 31] NEW DELHI, SATURDAY, AUGUST 5, 2017/SHRAVANA 14, 1939 (SAKA)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
Separate paging is given to this Part in order that it may be filed as a separate compilation.

## MINISTRY OF LAW AND JUSTICE

(Legislative Department)

New Delhi, the 5th August, 2017/Shravana 14, 1939 (Saka)

The following Act of Parliament received the assent of the President on the 4th August, 2017 and is hereby published for general information :—

### THE COLLECTION OF STATISTICS (AMENDMENT) ACT, 2017

No. 21 OF 2017

[4th August, 2017.]

#### An Act to amend the Collection of Statistics Act, 2008.

BE it enacted by Parliament in the Sixty-eighth Year of the Republic of India as follows:—

1. (1) This Act may be called the Collection of Statistics (Amendment) Act, 2017.

Short title and  
commencement.

(2) It shall come into force on such date as the Central Government may, by notification in the Official Gazette, appoint.

7 of 2009.

2. In the Collection of Statistics Act, 2008 (hereinafter referred to as the principal Act), in section 1, for sub-section (2), the following sub-section shall be substituted, namely:—

Amendment  
of section 1.

"(2) It extends to the whole of India :

Provided that it shall apply to the State of Jammu and Kashmir in so far as it relates to statistics pertaining to matters falling under any of the entries specified in List I (Union List) or List III (Concurrent List) in the Seventh Schedule to the Constitution as applicable to that State."

Amendment  
of section 2.

**3.** In the principal Act, in section 2, after clause (d), the following clause shall be inserted, namely:—

'(da) "nodal officer" means the officer designated as a nodal officer under sub-section (1) of section 3A;'

Insertion of  
new section  
3A.

**4.** In the principal Act, after section 3, the following section shall be inserted, namely:—

Nodal officer.

"3A. (1) The Central Government or a State Government or Union territory Administration shall designate one of its officers as a nodal officer for the purposes of statistics under this Act.

(2) The nodal officer shall coordinate and supervise such statistical activities in the Central Government or the State Government or Union territory Administration, as the case may be, in which he is designated, and shall exercise such other powers and perform such other duties, as may be prescribed."

Amendment  
of section 9.

**5.** In the principal Act, in section 9, for sub-section (1), the following sub-section shall be substituted, namely:—

"(1) The statistics officer or any person or agencies authorised under this Act shall, for statistical purposes, use any information furnished under section 6 in such manner as may be prescribed."

Amendment  
of section 33.

**6.** In the principal Act, in section 33,—

(i) in sub-section (1), after the words "The Central Government may", the words "subject to the condition of previous publication" shall be inserted;

(ii) in sub-section (2),—

(A) after clause (a), the following clause shall be inserted, namely:—

"(aa) the coordination and supervision of statistical activities by the nodal officer and the powers and duties of the nodal officer under sub-section (2) of section 3A;";

(B) after clause (d), the following clause shall be inserted, namely:—

"(da) the manner of use of information under sub-section (1) of section 9;".

DR. G. NARAYANA RAJU,  
*Secretary to the Govt. of India.*

### 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.

$\hat{X}, \hat{Y}$  = estimate of population total  $X, Y$  for the characteristics  $x, y$ .

Under the above symbols,

$y_{ismk}$  = observed value of the characteristic  $y$  for the  $k$ -th 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 (sub-sample 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 sub-sample in  $s$ -th strata of the  $i$ -th state is:

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

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.,

$${}^s\hat{Y}'_{is} = \frac{1}{2} \sum_{m=1,3} {}^s\hat{Y}'_{ism}.$$

Thus, the estimator for any characteristic of the unit **in the sample sector** of the  $i^{\text{th}}$  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  $i^{\text{th}}$  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:

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

(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**<sup>1</sup> for m-th sub-sample of the i-th state is:

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

where superscript 'State' in  $\text{State } \hat{Y}'_{ism}$  indicates that the estimate of Characteristic Y generated from state sample for m<sup>th</sup> sub-sample of s<sup>th</sup> stratum in i<sup>th</sup> 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.

Thus, the estimator for any characteristic of the unit **in the sample sector** of the i<sup>th</sup> state is based on **the state sample** is:

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

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 **as a whole** based on the **state sample** is given by:

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

(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

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

<sup>1</sup> The State sample comprises of two sub-samples, viz., sub-samples 2 and 4 and census sector is covered in central sample. Hence, the state sample has only the sample sector.

The stratum level estimate for the pooled sample will be the simple average of the sub-sample 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  ${}^{Pooled}\hat{Y}'_{is} = \frac{1}{4} \sum_{m=1}^4 {}^S\hat{Y}'_{ism}$ . 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  ${}^{Pooled}\hat{Y}'_{is} = \frac{1}{t} \sum_{m=1}^t {}^S\hat{Y}'_{ism}$ , where t ( $\leq 4$ ) is the number of non-void sub-sample available with the stratum s.

Thus, the estimator for any characteristic Y of the unit **the sample sector** of the i<sup>th</sup> state based on **pooled sample** is:

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

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

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

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 ( $R = \frac{Y}{X}$ ) will be obtained as

$$\hat{R} = \frac{\hat{Y}}{\hat{X}}.$$

**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:

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

The sampling variance based on central Samples is:

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

The sampling variance based on state Samples is:

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

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:

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

where  $\hat{Y}_{is} = \frac{1}{t} \sum_{m=1}^t \hat{Y}_{ism}$  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:

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

**4. For ratio  $\hat{R}$  :**

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  $\hat{R}$  is

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

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

$$M\hat{S}E(\hat{R}) = \frac{1}{2} \times \frac{1}{Central \hat{X}^2} \sum_s \left[ \sum_{m=1,3} (\hat{Y}_{sm} - {}^c\hat{Y}_s)^2 - 2\hat{R} \sum_{m=1,3} (\hat{Y}_{sm} - {}^c\hat{Y}_s)(\hat{X}_{sm} - {}^c\hat{X}_s) + \hat{R}^2 \sum_{m=1,3} (\hat{X}_{sm} - {}^c\hat{X}_s)^2 \right] \dots (11.1)$$

where  ${}^c\hat{Y}_s = \frac{1}{2} \sum_{m=1,3} \hat{Y}_{sm}$ ,  ${}^c\hat{X}_s = \frac{1}{2} \sum_{m=1,3} \hat{X}_{sm}$ ,  $\hat{R} = Central \hat{Y} / Central \hat{X}$ , and  $\hat{Y}_{sm}$  and  $\hat{X}_{sm}$  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  ${}^{Central} \hat{X}$  and  ${}^{Central} \hat{Y}$  will be obtained using eq. (3) for the characteristics x and y respectively.

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

$$M\hat{S}E(\hat{R}_i) = \frac{1}{2} \times \frac{1}{Central \hat{X}_i^2} \sum_s \left[ \sum_{m=1,3} (\hat{Y}_{ism} - {}^c\hat{Y}_{is})^2 - 2\hat{R}_i \sum_{m=1,3} (\hat{Y}_{ism} - {}^c\hat{Y}_{is})(\hat{X}_{ism} - {}^c\hat{X}_{is}) + \hat{R}_i^2 \sum_{m=1,3} (\hat{X}_{ism} - {}^c\hat{X}_{is})^2 \right] \dots (11.2)$$

where  ${}^c\hat{Y}_{is} = \frac{1}{2} \sum_{m=1,3} \hat{Y}_{ism}$ ,  ${}^c\hat{X}_{is} = \frac{1}{2} \sum_{m=1,3} \hat{X}_{ism}$ ,  $\hat{R}_i = Central \hat{Y}_i / Central \hat{X}_i$ , and  $\hat{Y}_{ism}$  and  $\hat{X}_{ism}$  are estimates of characteristics x and y based on m-th sub-sample of s-th stratum in i-th State from the sample sector of central sample, and  ${}^{Central} \hat{X}_i$  and  ${}^{Central} \hat{Y}_i$  will be obtained using eq. (2) for i-th state for the characteristics x and y respectively.

For  $\hat{R}$  at state level (say  $\hat{R}_i$ ) from state sample (i.e. based on sub-samples 2 and 4),

$$M\hat{S}E(\hat{R}_i) = \frac{1}{2} \times \frac{1}{State \hat{X}_i^2} \sum_s \left[ \sum_{m=2,4} (\hat{Y}_{ism} - {}^s\hat{Y}_{is})^2 - 2 {}^s\hat{R}_i \sum_{m=2,4} (\hat{Y}_{ism} - {}^s\hat{Y}_{is})(\hat{X}_{ism} - {}^s\hat{X}_{is}) + {}^s\hat{R}_i^2 \sum_{m=2,4} (\hat{X}_{ism} - {}^s\hat{X}_{is})^2 \right] \dots (12)$$

where  ${}^s\hat{Y}_{is} = \frac{1}{2} \sum_{m=2,4} \hat{Y}_{ism}$ ,  ${}^s\hat{X}_{is} = \frac{1}{2} \sum_{m=2,4} \hat{X}_{ism}$ ,  ${}^s\hat{R}_i = \frac{State \hat{Y}_i}{State \hat{X}_i} ; \hat{Y}_{ism}$  and  $\hat{X}_{ism}$  are estimates of characteristics x and y based on m-th sub-sample (sub-sample 2 and 4) of s-th stratum in i-th State from the state sample, and  ${}^{State} \hat{X}_i$  and  ${}^{State} \hat{Y}_i$  will be obtained using eq. (5) for i-th state for the characteristics x and y respectively.

For  $\hat{R}$  at all-India based on pooled sample (i.e. sub-samples 1, 2, 3 and 4) is,

$$M\hat{S}E(\hat{R}) = \frac{1}{12} \times \frac{1}{\hat{X}^2} \sum_s \left[ \sum_{m=1}^4 (\hat{Y}_{sm} - \hat{Y}_s)^2 - 2\hat{R} \sum_{m=1}^4 (\hat{Y}_{sm} - \hat{Y}_s)(\hat{X}_{sm} - \hat{X}_s) + \hat{R}^2 \sum_{m=1}^4 (\hat{X}_{sm} - \hat{X}_s)^2 \right], \dots (13)$$

where  $\hat{Y}_{sm}$  and  $\hat{X}_{sm}$  are estimates of characteristics x and y based on all sub-samples 1, 2, 3 and 4 of s-th stratum,  $\hat{Y}_s = \frac{1}{4} \sum_{m=1}^4 \hat{Y}_{sm}$ ,  $\hat{X}_s = \frac{1}{4} \sum_{m=1}^4 \hat{X}_{sm}$  and  $\hat{R} = \hat{Y} / \hat{X}$ . Here,  $\hat{Y}$ ,  $\hat{X}$  and  $\hat{R}$  are pooled all-India estimate of the characteristics Y, X and R (i.e., ratio Y/X) respectively. In case, pooling at any State level is attempted, the corresponding pooled estimate of characteristics y, x and R may be used for that State using eq. (7). In short, formula for MSE ( $\hat{R}_i$ ) based on pooled sample is :

$$M\hat{S}E(\hat{R}_i) = \frac{1}{12} \times \frac{1}{Pooled \hat{X}_i^2} \sum_s \left[ \sum_{m=1}^4 (\hat{Y}_{ism} - \hat{Y}_{is})^2 - 2\hat{R}_i \sum_{m=1}^4 (\hat{Y}_{ism} - \hat{Y}_{is})(\hat{X}_{ism} - \hat{X}_{is}) + \hat{R}_i^2 \sum_{m=1}^4 (\hat{X}_{ism} - \hat{X}_{is})^2 \right] \dots (13.1)$$

where  $\hat{Y}_{ism}$  and  $\hat{X}_{ism}$  are estimates of characteristics x and y based on all sub-samples 1, 2, 3 and 4 of s-th stratum for the i-th state,  $\hat{Y}_{is} = \frac{1}{4} \sum_{m=1}^4 \hat{Y}_{ism}$ ,  $\hat{X}_{is} = \frac{1}{4} \sum_{m=1}^4 \hat{X}_{ism}$  and  $\hat{R}_i = \frac{Pooled \hat{Y}_i}{Pooled \hat{X}_i}$ .

Please note that, in case one or more sub-sample is void in a stratum, the estimate MSE of  $\hat{R}$  will be estimated using the equations (13) based on only non-void sub-samples.

**5. Estimates of RSE:**

$$R\hat{S}E(\hat{Y}) = \frac{\sqrt{Var(\hat{Y})}}{\hat{Y}} \times 100 \dots (14)$$

$$R\hat{S}E(\hat{R}) = \frac{\sqrt{M\hat{S}E(\hat{R})}}{\hat{R}} \times 100 \dots (15)$$

**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 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 × District × Sector × 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 ( $e_{ism}$ ) 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 8.1. 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 8.2, is to be followed in such cases.

**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)

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

<b>Block B: Particulars of the factory (to be filled by owner of the factory)</b>											
1. Name and address of the Industrial undertaking:	1.1 Vill./Town:										
	1.2 District name:										
	1.3 State name:										
	1.4 PIN Code										
2. Type of organisation ( <i>code</i> )											
3. Corporate Identification Number (CIN)											
4. Whether the unit has ISO Certification, 14000 Series ( <i>yes-1, no-2</i> )											
5. Year of initial production											
6. Accounting year (..... to .....)											
7. Number of months of operation											
8. Whether the share capital of the company includes share of foreign entities ( <i>yes-1, no-2</i> )											
9. Any R&D unit in your factory? ( <i>yes &amp; registered with DST/DBT-1, yes &amp; registered with others-2, no-3</i> )											
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 ( <i>yes-1, no-2</i> )											

**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

<b>Block C: FIXED ASSETS</b>												
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	Provi- ded during the year	Adjustment for sold/ discarded during the year	Up to year end  (cols. 8+9-10)	Opening as on ----- (cols. 3-8)	Closing as on ----- (cols. 7-11)
			Due to revaluation	Actual additions								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
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.	<b>Sub-total (items 2 to 7)</b>											
9.	Capital work in progress											
10.	<b>Total (items 1+8+9)</b>											

DSL No       PSL No

<b>Block D: WORKING CAPITAL AND LOANS</b>			
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.	<b>Sub-total (items 1 to 3)</b>		
5.	Semi-finished goods/work in progress		
6.	Finished goods		
7.	<b>Total inventory ( items 4 to 6)</b>		
8.	Cash in Hand & at Bank		
9.	Sundry Debtors		
10.	Other current assets		
11.	<b>Total current assets (items 7 to 10)</b>		
12.	Sundry Creditors		
13.	Over draft, cash credit, other short term loan from banks & other financial institutions		
14.	Other current liabilities		
15.	<b>Total current liabilities (items 12 to 14)</b>		
16.	<b>Working Capital (item 11-item 15)*</b>		
17.	Outstanding loans (excluding interest but including deposits)**		
<p><i>Note:</i></p> <p>* Give reasons in the footnote for negative values and abnormal verification in opening and closing values.</p> <p>** If outstanding loans include interest, a footnote may be given</p>			



DSL No       PSL No

<b>Block E: EMPLOYMENT AND LABOUR COST</b>							
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
<b>Part A: Details for each category of staff</b>							
1.	Male workers employed directly						
2.	Female workers employed directly						
3.	<b>Sub-total (items 1 + 2)</b>						
4.	Workers employed through contractors						
5.	<b>Total workers (items 3 + 4)</b>						
6.	Supervisory & managerial staff						
7.	Other employees						
8.	Unpaid family members/ proprietor/ coop. members						
9.	<b>Total employees (items 5+6+7+8)</b>						
<b>Part B: Some details for all categories of staff combined</b>							
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					
		<b>(iii) Total ( i+ ii )</b>					
14.	<b>Total cost of production (in Rs.)</b> [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]						

DSL No        PSL No

<b>Block F : OTHER EXPENSES</b>		
Sl. No.	Items	Expenditure (in Rs.)
(1)	(2)	(3)
<b>O T H E R</b>	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
<b>I N P U T</b>	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

<b>Block G: OTHER OUTPUT/RECEIPTS</b>		
Sl. No.	Items	Receipts (in Rs.)
(1)	(2)	(3)
<b>O T H E R</b>	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 <i>minus</i> 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 <i>minus</i> col. 3 against item 5 in block D)
<b>O U T P U T</b>	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

<b>Block H: Indigenous input items consumed (if needed, additional sheets may be used for recording input items with serial nos. starting from 25)</b>						
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.	<b>Total basic items (items 1 to 11)</b>	<b>9990100</b>				
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.	<b>Total inputs (items 12+ 22)</b>	<b>9993000</b>				
24.	Any additional requirement of electricity (unmet demand)	<b>9999999</b>	KWH			
* Full description of items not in NPC-MS 2011 (Revised):						

DSL No       PSL No

<b>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)</b>						
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.	<b>Total imports (consumed) (items 1 to 6)</b>	<b>9994000</b>				

DSL No       PSL No

<b>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)</b>												
Sl. No.	Products/By-products description (First ten major items as per value - no brand name)	Item code (NPC-MS)	Unit of quantity	Quantity manufactured	Quantity sold	Gross sale value (Rs)	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)
							Excise duty	Sales tax/VAT	Others	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.	<b>Total ( items 1 to 11)</b>	<b>9995000</b>										
13.	Share (%) of products/by-products directly exported											

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

DSL No       PSL No

<b>Block K: Information and Communication technology (ICT) usage</b>		
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?	

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

**FOR OFFICIAL USE ONLY**

<b>Block M: Particulars of field operations</b>					
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	

<b>Block N: Comments of Superintending Officer/Scrutinising Officer</b>
<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 e.g. Ratio of output to input, ratio of depreciation/distributive expenses to output etc should be given.</i></p> <p><b>Please refer to detailed instructions also for further guidance.</b></p>

<b>Annual Survey of Industries 2020-2021</b> <b>Part A</b> 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	<b>X</b>	<b>X</b>	Superintending Officer	Scrutinizing 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 <sub>5,8</sub> / E <sub>5,5</sub> )			
	2) Total worker (number) (E <sub>5,6</sub> )			
	3) Total employees (number) (E <sub>9,6</sub> )			
	4) Total emoluments (E <sub>9,8</sub> + E <sub>10,8</sub> + E <sub>11,8</sub> + E <sub>12,8</sub> )			
	5) Variation in finished goods (D <sub>6,4</sub> - D <sub>6,3</sub> )			
	6) Working Capital (D <sub>16,4</sub> )			
	7) <b>Total input</b> (F <sub>1,3</sub> +F <sub>2(i),3</sub> +F <sub>2(ii),3</sub> +F <sub>3,3</sub> +F <sub>4,3</sub> +F <sub>6,3</sub> +F <sub>7,3</sub> +F <sub>8,3</sub> +F <sub>11,3</sub> ) (+) (H <sub>23,6</sub> ) (+) (I <sub>7,6</sub> )			
	8) <b>Total output</b> (J <sub>12,7</sub> ) (-) (J <sub>12,8</sub> +J <sub>12,9</sub> +J <sub>12,10</sub> -J <sub>12,11</sub> ) + (D <sub>6,4</sub> - D <sub>6,3</sub> ) + (G <sub>1,3</sub> +G <sub>2,3</sub> +G <sub>3,3</sub> +G <sub>4,3</sub> +G <sub>6,3</sub> +G <sub>7,3</sub> +G <sub>8,3</sub> +G <sub>11,3</sub> +F <sub>7,3</sub> )			
	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 <sub>10,9</sub> )			
	11) Net Income (Item 10 as above) (-) (F <sub>9,3</sub> +F <sub>10,3</sub> )			
	12) Profit (Item 11 as above) (-) (E <sub>9,8</sub> +E <sub>10,8</sub> +E <sub>11,8</sub> +E <sub>12,8</sub> )			
	13) Actual addition to fixed assets (C <sub>10,5</sub> )			
	14) <b>GVA (through Ex-factory Value) (J<sub>12,13</sub>)</b> (+) (G <sub>1,3</sub> +G <sub>2,3</sub> +G <sub>3,3</sub> +G <sub>4,3</sub> +G <sub>6,3</sub> +G <sub>7,3</sub> +G <sub>8,3</sub> +G <sub>11,3</sub> +F <sub>7,3</sub> ) (-) (F <sub>1,3</sub> +F <sub>2(i),3</sub> +F <sub>2(ii),3</sub> +F <sub>3,3</sub> +F <sub>4,3</sub> +F <sub>6,3</sub> +F <sub>7,3</sub> +F <sub>8,3</sub> +F <sub>11,3</sub> ) (- (H <sub>23,6</sub> ) (-) (I <sub>7,6</sub> )			

**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

<b>PART-B</b> <b>(To be filled in by Scrutinizing officer)</b>		
Impose check on the following and give observations against each item		
<b>Sl. No.</b>	<b>Check points</b>	<b>Observations (Yes-1/No-2)</b>
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



**CONFIDENTIAL**

**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)								
6. Description of Industry			13. Name of Superintending Officer			19. Head Quarter		
7. State code			14. Personnel code			20. Signature.		
8. District code			15. Head Quarter					
9. RO / SRO code								
Name and address of the Industrial Undertaking								
City/ Town/ Village		Tehsil/ Taluk		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								

## CONCEPTS AND DEFINITIONS

Important concepts and definitions used in ASI are explained below.

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

2. **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.

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

4. **Survey Period:** Survey period is a period during which work of any Annual Survey of Industries is undertaken. The survey period for ASI 2020-2021 is from April 2022 to November 2022.

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

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

*'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.*

7. **Gross Value of Plant and Machinery:** Gross value of plant and machinery represents the total original (un-depreciated) value of installed plant and machinery as at the end of the

accounting year. It includes the book value of own constructed plant and machinery, if installed, and the approximate value of rented-in plant and machinery as at the time of renting in but excludes the value of rented-out plant and machinery. Total value of all the plant and machinery acquired on hire-purchase basis is also included. Thus, it represents the gross value of plant and machinery engaged in production process.

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

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

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

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

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

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

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

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

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

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

**18. Labour Turnover:** Labour turnover measures the extent of change in the working force due to accession and separation during a given period. The term 'accession' was defined as the total number of workers added to employment during the period, whether new or 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.

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

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

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

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

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

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

**21. Workmen and Staff Welfare Expenses:** These include expenditure incurred by the employer on the maternity benefits and crèches and other benefits such as supply of food, beverages, tobacco, clothing and group lodging at concessional rates and educational, cultural and recreational facilities and services and grants to trade unions and cooperative stores meant for employees. All group benefits are included.

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

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

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

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

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

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

**28. Non-working Day:** Apart from manufacturing day and repair and maintenance days there may be some non-working days. Nonworking days are those days on which the workers give their attendance but due to non-availability of raw materials power etc. no effective work is done. As the workers are paid for these days such days are also taken into account for the purpose of labour statistics.

**29. Basic Materials:** Basic materials are the materials which are important and of key nature to the industry, on which the manufacturing process is based, viz. metal for machine, leather for shoe. Such material is not lost through the process of production but only changes its forms.

**30. Consumable Stores:** All such materials which assist the manufacturing process and lose their identity without entering the products are called consumable stores, e.g., cotton waste.

**31. Fuel Consumed:** Fuel Consumed represent total purchase value of all items of fuels, lubricants, electricity, water (purchased to make steam) etc. consumed by the factory during the accounting year except those which directly enter into products as materials consumed. It excludes that part of fuels, which is produced and consumed by the factory in manufacture i.e., all intermediate products and also fuels consumed by employees as part of amenities. It includes quantities acquired and consumed from allied concerns, their book value being taken as their purchase value and also the quantities consumed in production of machinery or other capital items for factory's own use.

**32. Materials Consumed:** Materials consumed represent the total delivered value of all items of raw materials, components, chemicals, packing materials and stores which actually entered into the production process of the factory during the accounting year. It also includes the cost of all the materials used in the production of fixed assets, including construction work for factory's own use. Components and accessories fitted as purchased with the finished product during the accounting year are also to be included. It excludes intermediate products. Intermediate products in the above context mean all those products which are produced by the factory and consumed for further manufacturing process.

**33. Total Input:** This comprises gross value of fuels, 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 and (e) rent paid for buildings and plant & machinery and other fixed assets, (f) expenses on Research & Development (R&D).

**34. Intermediate Product:** Intermediate Product is a product which is obtained during a manufacturing process, which may or may not be saleable and is not the intended final product.

**35. Net Value of Semi-Finished Goods:** It represents the excess/deficit of value of semi-finished goods and/or goods-in-process at the end of the accounting year over that at the beginning of year.

**36. Products:** These are defined to include the ex-factory value (i.e. exclusive of taxes, duties etc. on sale and inclusive of subsidies etc., if any) of all products and by-products, excluding intermediate products, that have been completed during the accounting year for sale whether actually sold during the accounting year or entered into books. Also include fixed assets produced by the factory for its own use.

**37. Gross Output:** Gross output is defined to include the ex-factory value, (i.e., exclusive of taxes, duties, etc. on sale and inclusive of subsidies etc., if any) of products and by-products manufactured during the accounting year, and the net value of the semi-finished goods, value of own construction and also the receipts for industrial and non-industrial services rendered to others, rent received for building, plant & machinery and other fixed assets, net balance of goods sold in the same condition as purchased, value of electricity generated and sold and an amount equal to

expenses on research & development (R&D). Value of gross output and total output has been used in the text inter-changeably to mean the same thing.

**38. *Industrial Services:*** Any services taken or rendered from one to another unit resulting in increase in the value of material during the manufacturing process are industrial services.

**39. *Non-Industrial Services:*** All such services which do not have a direct bearing on the manufacturing process but are needed by any manufacturing unit are called non-industrial services, say, transport.

**40. *Net Value Added:*** This is the increment to the value of goods and services that is contributed by the factory and is obtained by deducting the value of total inputs and depreciation from gross value of output.

**41. *Net Income:*** It is obtained by deducting the value of rent paid & interest paid from the NVA.

**42. *Net Profit:*** It is obtained by deducting compensation of employees from net income.

**Annual Survey of Industries, 2020-2021**  
**Statement showing the merging of Industries**

Annexure - V

<b>Sr. No. (1)</b>	<b>Table Description (2)</b>	<b>State/Union Territory (3)</b>	<b>Industry Code (4)</b>	<b>Included in (5)</b>
1	State by 3 digit of NIC 08	Andaman & N Islands	103	104
			110, 201, 222	Other
		Andhra Pradesh	264, 267	266
			275	279
			301, 303	309
			381	382
		Arunachal Pradesh	103, 106	107
			192	191
			259	251
			310	Other
		Assam	101	103
			203	202
			252	259
			293	292
			332	331
			261, 302, 325, 382	Other
		Bihar	152	151
			221	222
			273	272
			275	274
			321	325
			332	331
			016, 265, 292, 383	Other
		Chandigarh	105	104
			202	201
			251, 252	259
			261	265
			274, 275	279
			301	309
			016, 131, 210, 325, 382, 581	Other
		Chattisgarh	103	104
			143	141
			261, 264, 265	262
			274	272
			291	293
			323, 325	329
			382	383



**Annual Survey of Industries, 2020-2021**  
**Statement showing the merging of Industries**

Annexure - V

<b>Sr. No. (1)</b>	<b>Table Description (2)</b>	<b>State/Union Territory (3)</b>	<b>Industry Code (4)</b>	<b>Included in (5)</b>
		Dadra & N Haveli & Daman & Diu	103	104
			105, 108	107
			143	141
			161	162
			266	261
			151, 309, 382	Other
			Delhi	104
			161	162
			203	202
			252	259
			266	267
			323	329
			110, 192, 382	Other
		Goa	106, 108	104
			131	139
			192	191
			231	239
			243	242
			266, 267	262
			272, 274	279
			302	303
			324	329
			120, 141	Other
		Gujarat	142	143
			252	259
			262	263
			332	331
			381	382

**Annual Survey of Industries, 2020-2021**  
**Statement showing the merging of Industries**

Annexure - V

<b>Sr. No. (1)</b>	<b>Table Description (2)</b>	<b>State/Union Territory (3)</b>	<b>Industry Code (4)</b>	<b>Included in (5)</b>
		Haryana	191 252 301, 304	192 259 303
		Himachal Pradesh	143 151 267 304 322 382, 581	141 152 266 309 329 Other
		Jammu & Kashmir	151 161 262, 263 274 282 325 292, 331	152 162 264 275 281 321 Other
		Jharkhand	139 142 252 265 275 309 152, 329, 381, 581	131 141 259 261 279 302 Other
		Karnataka	182 264	181 265
		Kerala	203 267 304, 309 324 381, 383	202 266 303 323 382
		Ladakh	192	Other
		Madhya Pradesh	142 264, 267 382	143 263 383
		Maharashtra	268 322 381	267 329 382

**Annual Survey of Industries, 2020-2021**  
**Statement showing the merging of Industries**

Annexure - V

<b>Sr. No. (1)</b>	<b>Table Description (2)</b>	<b>State/Union Territory (3)</b>	<b>Industry Code (4)</b>	<b>Included in (5)</b>
		Manipur	102 139 151, 191, 202, 241, 259, 271, 282, 321, 325, 331	107 131 Other
		Meghalaya	104 202 242 131, 170, 271	108 201 243 Other
		Mizoram	104, 105 161 259 202, 210, 221, 222, 241, 243, 279, 292, 322	108 162 251 Other
		Nagaland	103, 105 221 259 110, 131, 202	101 222 251 Other
		Odisha	231 274 279 291 301 303 332 152, 265, 321, 329, 383, 581	239 272 275 292 302 309 331 Other
		Puducherry	102 143 263, 264, 265, 267 272 275 301 192, 331	107 141 261 274 279 309 Other
		Punjab	264, 267 291 120, 581	266 292 Other

**Annual Survey of Industries, 2020-2021**  
**Statement showing the merging of Industries**

Annexure - V

<b>Sr. No.</b> <b>(1)</b>	<b>Table</b> <b>Description</b> <b>(2)</b>	<b>State/Union</b> <b>Territory</b> <b>(3)</b>	<b>Industry Code</b> <b>(4)</b>	<b>Included in</b> <b>(5)</b>
		Rajasthan	101 252 263, 264 267	107 259 262 266
		Sikkim	103 221 275 192, 202, 239, 243, 265, 266, 321, 329	107 222 279 Other
		Tamil Nadu	142 267 322 381	143 268 329 382
		Telangana	102 266 304 323, 324 332 381	103 262 309 329 331 382
		Tripura	104 161 202 242 271 192,331, 383	107 162 201 243 273 Other
		Uttar Pradesh	142 322 332 381 016	143 329 331 383 Other
		Uttarakhand	143 191 267 332, 383	141 192 264 Other
		West Bengal	262 304 323 332 089	263 309 322 331 Other
		All-India	182	181

**Annual Survey of Industries, 2020-2021**  
**Statement showing the merging of Industries**

Annexure - V

<b>Sr. No. (1)</b>	<b>Table Description (2)</b>	<b>State/Union Territory (3)</b>	<b>Industry Code (4)</b>	<b>Included in (5)</b>
2	<b>State by 2 digit of NIC 08</b>	Andaman & N Islands	11, 20, 22	Other
		Arunchal Pradesh	31	Other
		Assam	26, 30, 32, 38	Other
		Bihar	01, 26, 29, 38	Other
		Chandigarh	01, 13, 21, 32, 38, 58	Other
		Dadra & N Haveli & Daman & Diu	15, 30, 38	Other
		Delhi	11, 19, 38	Other
		Goa	12, 14	Other
		Himachal Pradesh	38, 58	Other
		Jammu & Kashmir	29, 33	Other
		Jharkhand	15, 32, 38, 58	Other
		Ladakh	19	Other
		Manipur	15, 19, 20, 24, 25, 27, 28, 32, 33	Other
		Meghalaya	13, 17, 27	Other
		Mizoram	20, 21, 22, 24, 27, 29, 32	Other
		Nagaland	11, 13, 20	Other
		Odisha	15, 26, 32, 38, 58	Other
		Puducherry	19, 33	Other
		Punjab	12, 58	Other
		Sikkim	19, 20, 23, 24, 26, 32	Other
		Tripura	19, 33, 38	Other
		Uttar Pradesh	01	Other
		Uttarakhand	33, 38	Other
		West Bengal	08	Other