



उद्योगों का वार्षिक सर्वेक्षण  
**ANNUAL SURVEY OF INDUSTRIES**  
2021-2022  
कारखाना क्षेत्र के सार परिणाम  
**SUMMARY RESULTS FOR FACTORY SECTOR**



भारत सरकार  
सांख्यिकी और कार्यक्रम कार्यान्वयन मंत्रालय  
राष्ट्रीय सांख्यिकी कार्यालय  
संमंक 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 2021-2022

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 (एएसआई) 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 शर्तों) 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 एएसआई 2021-22 के परिणामों को खंड I, खंड II में प्रकाशित किया गया है, साथ ही "कारखाना क्षेत्र के सारांश परिणाम" शीर्षक से एक संक्षिप्त पुस्तिका भी प्रकाशित की गई है। दोनों खंडों में एएसआई का सर्वेक्षण सविस्तर प्रकाशित किया गया है, जबकि कारखाना क्षेत्र का सारांश परिणाम एएसआई 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 रोज़गार का आकार, पूंजीगत निवेश, सकल उत्पाद, तथा केंद्र एवं राज्य/केंद्र शासित 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।

एएसआई 2021-22 हेतु मार्च 2023 से सितम्बर 2023 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।

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.

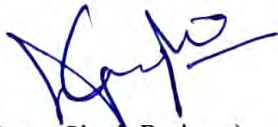
As a matter of convention, the results of ASI 2021-22 are published in Volume I, Volume II and an abridged publication namely "Summary Results for Factory Sector". While the two volumes of the publication provide detailed results of factory sector from ASI, the Summary Results for Factory Sector is prepared 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 2021-22, was carried out during March 2023 to September 2023. 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.

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: 2021-2022

## 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 – S12-9
परिशिष्ट – I : सांख्यिकी अधिनियम एवं नियमों का संकलन	A.I-1 – A.I-21
परिशिष्ट – II : प्राक्कलन पद्धति	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 : उद्योगों का वर्गीकरण (एन.आई.सी. - 2008)	A.V-1 – A.V-9
परिशिष्ट – VI : राज्य द्वारा विलय किए गए उद्योग	A.VI-1 – A.VI-6

# ANNUAL SURVEY OF INDUSTRIES: 2021-2022

## 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 – S12-9
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: Classification of Industries (NIC - 2008)	A.V-1 – A.V-9
Annexure - VI: Merged Industries by State	A.VI-1 – A.VI-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 है) 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 थें, 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 थें, 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 पुर्जों 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 थी, परंतु जो बिजनेस रजिस्टर ऑफ एस्टेब्लिसमेंट (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। 2021-22 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 मेनटेनिंग स्टाफ सहित विद्यमान, परंतु उत्पादन रहित हैं' तथा 'अचल आस्तियों सहित विद्यमान, परंतु मेनटेनिंग स्टाफ व उत्पादन रहित हैं' की श्रेणी में रखा गया है।

## 1.4 संदर्भ अवधि

1.4.1 उ.वा.स. 2021-22 की संदर्भ अवधि कारखाना का लेखा वर्ष था, जो वित्तीय वर्ष 2021-22 के दौरान किसी भी दिन समाप्त हो सकता था। अतः उ.वा.स. 2021-22 में विभिन्न स्थापनाओं से संग्रहित किए गए आंकड़े उनके अपने लेखा वर्ष से संबन्धित हैं, जो 1 अप्रैल, 2021 व 31 मार्च, 2022 के बीच किसी भी दिन समाप्त हो सकते थे। यह सर्वेक्षण मार्च, 2023 से सितंबर, 2023 के दौरान आयोजित किया गया था। सर्वेक्षण की संदर्भ अवधि का एक भाग कोविड - 19 महामारी का समय सम्पन्न हुआ।

## 1.5 प्रतिदर्श डिजाइन एवं प्रतिदर्श आबंटन

1.5.1 उ.वा.स. 2021-22 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 इकाइयों 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 'बीडी' बनाने का कार्य शामिल है। इस प्रकार, संक्षेप में, (i) बीडी (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 इकाइयों 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 इकाइयों 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 इकाइयों को कर्मचारियों की संख्या के अनुसार अवरोही क्रम में रखा जाता है। प्रतिदर्श चयन हेतु स्ट्रैटिफाइड सर्कुलर सिस्टैमेटिक प्रतिदर्श तरीका अपनाया जाता है। न्यूनतम चार इकाइयों वाले संसंख्यक इकाइयों 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 इकाइयों को केंद्रीय प्रतिदर्श समझा जाता है।
- (ज) राज्य/संघ राज्य क्षेत्र को दिए गए दो उप-प्रतिदर्शों 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 इकाइयों 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% समग्र प्रतिदर्श अंश समझकर लिया गया है। 'खुला', 'अचल आस्तियों व मेनटेनिंग स्टाफ सहित विद्यमान परंतु उत्पादन रहित' तथा 'अचल आस्तियों सहित परंतु मेनटेनिंग स्टाफ व उत्पादन रहित' स्थिति वाली इकाइयों वाले लाइव फ्रेम का आकार 2,51,630 था। इनमें से 57,355 इकाइयाँ गणना क्षेत्र से संबन्धित थी, जबकि शेष 1,94,275 इकाइयाँ प्रतिदर्श क्षेत्र से संबन्धित थी। उ.वा.स. 2021-22 हेतु कुल प्रतिदर्श आकार 80,764 (गणना 57,355 तथा प्रतिदर्श 23,409) इकाइयाँ थी।

#### 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 आस्तियाँ 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, आस्तियाँ, 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 इन्हे 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। मूल्योंको को हजार या लाख रू. 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. 2021-22 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. 2021-22 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 अर्थात् 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 कारखानें और एन.आई.सी.-2008 के उप-वर्ग 01632, 01640 एवं 08932 और अन्य कारखानें (सारणी 0 में सूचीकृत) भी उ.वा.स. 2021-22 में शामिल हैं। इस प्रकाशन के**

लिए सारणी 0 उद्योगों के वर्गीकरण को वृहत् श्रेणी में दर्शाती है। NIC. 2008 कोडके अंतर्गत 3/4-अंकीय स्तर की सूची विवरण सहित परिशिष्ट - V में दिया गया 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, समक विधायन प्रभाग (DPD), राष्ट्रीय प्रतिदर्श सर्वेक्षण कार्यालय (NSSO) द्वारा संसाधित केंद्रीय प्रतिदर्श डाटा पर आधारित होते हैं। उ.वा.स. 2021-22 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-I अचल पूंजी तथा वर्धित मूल्य, रोजगार तथा मजदूर लागत, खपत इंधन आदि की सारणी से संबन्धित हैं, वहीं खंड-II 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 - VI** 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 वृहत 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 अध्यक्षीन है 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 'डिसएग्रीगेट' 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 अध्यक्षीन 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 बढत/गिरावट हो सकते हैं, उसके संभावित कारण निम्नलिखित है:-

(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।

(ड.) 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 2021-22 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 2021-22 was the accounting year of the factory, ending on any day during the financial year 2021-22. Thus, in ASI 2021-22, data collected from establishments relate to their respective accounting years that ended on any day between 1<sup>st</sup> April 2021 and 31<sup>st</sup> March 2022. Survey was conducted during March 2023 to September 2023. A part of the reference period of the survey coincided with the COVID-19 pandemic period in India.

## 1.5 *Sample Design and Sample Allocation*

**1.5.1** As per sampling design adopted in ASI 2021-22, 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 2,51,630. Of these, 57,355 units belonged to the Census Sector, while the remaining 1,94,275 units formed the Sample Sector. Total sample size for ASI 2021-22 was 80,764 (57,355 Census and 23,409 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 2021-22 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 2021-22 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 2021-22. Table 0 shows the classification of industries into broad categories for this publication.** The list of 3/4-digit level of NIC-2008 codes under coverage along with descriptions is given in *Annexure - V*.

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

<b>NIC - 08</b>	<b>Name of Broad Category</b>
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 2021-22 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 – VI*. 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. 2021-22 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. 2021-22 में सर्वेक्षण की स्थिति के अनुसार क्रमशः चयनित कारखानों की संख्या का पूर्ण और प्रतिशत वितरण दर्शाता है।

**2.3** विवरण 1क वर्ष 2021-22 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, 7,369 कारखानों (9.12%) 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। इसके अतिरिक्त, केवल 526 कारखानों के संबंध में, जिन्होंने वर्तमान वर्ष में कोई डाटा नहीं दिया है (नन-रेस्पोंस), 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. 2021-22 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- रेस्पोंस (कैजुयल्टी)' माना जाता है।
4	सभी मापदंडों के लिए 'जीरो केस' माना जाता है।
5, 7, 8	'नन- रेस्पोंस (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 2021-22. 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 2021-22.

**2.3** Statement 1A gives the estimated ‘number of factories’ (in absolute terms) in 2021-22 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, 7,369 factories (9.12%) 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). Further, data could be imputed from last year in respect of only 526 factories, 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 2021-22 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	17012	3786	3595
Arunachal Pradesh	262	262	211
Assam	5565	1616	1440
Bihar	3313	1399	1357
Chandigarh	242	119	118
Chattisgarh	4425	1272	1226
Dadra & N Haveli & Daman & Diu	2912	997	967
Delhi	3026	1183	1154
Goa	707	384	367
Gujarat	29868	7721	7531
Haryana	11349	3734	3642
Himachal Pradesh	2680	965	921
Jammu and Kashmir	1016	494	485
Jharkhand	2928	942	863
Karnataka	14372	5181	5069
Kerala	7743	2560	2512
Ladakh	2	2	2
Madhya Pradesh	5082	2259	2145
Maharashtra	26527	8438	8085
Manipur	250	250	218
Meghalaya	217	217	186
Mizoram	208	208	208
Nagaland	193	193	191
Odisha	3243	1217	1161
Puducherry	769	370	352
Punjab	13157	2962	2899
Rajasthan	10319	3455	3335
Sikkim	84	84	84
Tamil Nadu	39667	13701	13423
Telangana	13323	3388	3199
Tripura	692	692	682
Uttar Pradesh	17645	6441	6214
Uttarakhand	3007	1256	1216
West Bengal	9811	3002	2788
<b>All India</b>	<b>251630</b>	<b>80764</b>	<b>77859</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
	Treated as Operating Units						'Zero' Units	Non-reporting (Casualty) Units			
	Current Year Informaion			Data borrowed from Previous Year							
	1	2	3	5*	7*	8*	4	5	7	8	
A&N Islands	13	0	0	0	0	0	0	0	1	0	14
Andhra Pradesh	2691	186	74	5	1	7	631	86	56	49	3786
Arunachal Pradesh	127	51	11	0	0	0	22	14	18	19	262
Assam	1172	114	42	2	0	6	104	80	56	40	1616
Bihar	1086	136	31	6	0	3	95	29	9	4	1399
Chandigarh	101	5	1	0	0	1	10	1	0	0	119
Chattisgarh	1079	37	36	3	0	4	67	23	18	5	1272
Dadra & N Haveli & Daman & Diu	823	11	12	0	0	7	114	0	4	26	997
Delhi	906	73	11	10	0	10	144	13	6	10	1183
Goa	348	10	6	0	0	1	2	6	3	8	384
Gujarat	6433	59	100	12	0	51	876	23	22	145	7721
Haryana	3118	26	9	19	0	16	454	39	12	41	3734
Himachal Pradesh	796	8	10	5	0	3	99	29	2	13	965
Jammu and Kashmir	394	19	32	1	0	1	38	2	3	4	494
Jharkhand	714	27	28	4	1	9	80	33	29	17	942
Karnataka	4490	82	39	12	0	4	442	32	45	35	5181
Kerala	2133	207	29	1	0	5	137	11	13	24	2560
Ladakh	1	0	0	0	0	0	1	0	0	0	2
Madhya Pradesh	1870	85	34	11	0	13	132	53	14	47	2259
Maharashtra	6970	103	124	16	5	50	817	88	51	214	8438
Manipur	189	22	4	0	0	0	3	3	28	1	250
Meghalaya	160	6	4	2	0	0	14	16	15	0	217
Mizoram	148	57	1	0	0	0	2	0	0	0	208
Nagaland	160	10	18	0	0	0	3	0	2	0	193
Odisha	971	57	46	2	0	1	84	23	10	23	1217
Puducherry	292	26	5	1	1	2	25	9	2	7	370
Punjab	2487	30	60	5	0	17	300	24	6	33	2962
Rajasthan	3006	58	63	3	0	12	193	21	55	44	3455
Sikkim	78	2	2	1	1	0	0	0	0	0	84
Tamil Nadu	11428	717	81	17	2	62	1116	82	41	155	13701
Telangana	2571	34	164	1	1	29	399	5	68	116	3388
Tripura	381	246	42	0	0	0	13	2	8	0	692
Uttar Pradesh	5388	83	51	18	0	10	664	95	62	70	6441
Uttarakhand	1105	13	3	8	0	0	87	28	6	6	1256
West Bengal	2448	39	75	9	0	16	201	153	5	56	3002
<b>All India</b>	<b>66077</b>	<b>2639</b>	<b>1248</b>	<b>174</b>	<b>12</b>	<b>340</b>	<b>7369</b>	<b>1023</b>	<b>670</b>	<b>1212</b>	<b>80764</b>

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

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

State/UT	Status Code										Total
	Treated as Operating Units						'Zero' Units	Non-reporting (Casualty) Units			
	Current Year Informaion			Data borrowed from Previous Year							
	1	2	3	5*	7*	8*	4	5	7	8	
A&N Islands	92.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.14	0.00	100.00
Andhra Pradesh	71.08	4.91	1.95	0.13	0.03	0.18	16.67	2.27	1.48	1.29	100.00
Arunachal Pradesh	48.47	19.47	4.20	0.00	0.00	0.00	8.40	5.34	6.87	7.25	100.00
Assam	72.52	7.05	2.60	0.12	0.00	0.37	6.44	4.95	3.47	2.48	100.00
Bihar	77.63	9.72	2.22	0.43	0.00	0.21	6.79	2.07	0.64	0.29	100.00
Chandigarh	84.87	4.20	0.84	0.00	0.00	0.84	8.40	0.84	0.00	0.00	100.00
Chattisgarh	84.83	2.91	2.83	0.24	0.00	0.31	5.27	1.81	1.42	0.39	100.00
Dadra & N Haveli & Daman & Diu	82.55	1.10	1.20	0.00	0.00	0.70	11.43	0.00	0.40	2.61	100.00
Delhi	76.58	6.17	0.93	0.85	0.00	0.85	12.17	1.10	0.51	0.85	100.00
Goa	90.63	2.60	1.56	0.00	0.00	0.26	0.52	1.56	0.78	2.08	100.00
Gujarat	83.32	0.76	1.30	0.16	0.00	0.66	11.35	0.30	0.28	1.88	100.00
Haryana	83.50	0.70	0.24	0.51	0.00	0.43	12.16	1.04	0.32	1.10	100.00
Himachal Pradesh	82.49	0.83	1.04	0.52	0.00	0.31	10.26	3.01	0.21	1.35	100.00
Jammu and Kashmir	79.76	3.85	6.48	0.20	0.00	0.20	7.69	0.40	0.61	0.81	100.00
Jharkhand	75.80	2.87	2.97	0.42	0.11	0.96	8.49	3.50	3.08	1.80	100.00
Karnataka	86.66	1.58	0.75	0.23	0.00	0.08	8.53	0.62	0.87	0.68	100.00
Kerala	83.32	8.09	1.13	0.04	0.00	0.20	5.35	0.43	0.51	0.94	100.00
Ladakh	50.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	100.00
Madhya Pradesh	82.78	3.76	1.51	0.49	0.00	0.58	5.84	2.35	0.62	2.08	100.00
Maharashtra	82.60	1.22	1.47	0.19	0.06	0.59	9.68	1.04	0.60	2.54	100.00
Manipur	75.60	8.80	1.60	0.00	0.00	0.00	1.20	1.20	11.20	0.40	100.00
Meghalaya	73.73	2.76	1.84	0.92	0.00	0.00	6.45	7.37	6.91	0.00	100.00
Mizoram	71.15	27.40	0.48	0.00	0.00	0.00	0.96	0.00	0.00	0.00	100.00
Nagaland	82.90	5.18	9.33	0.00	0.00	0.00	1.55	0.00	1.04	0.00	100.00
Odisha	79.79	4.68	3.78	0.16	0.00	0.08	6.90	1.89	0.82	1.89	100.00
Puducherry	78.92	7.03	1.35	0.27	0.27	0.54	6.76	2.43	0.54	1.89	100.00
Punjab	83.96	1.01	2.03	0.17	0.00	0.57	10.13	0.81	0.20	1.11	100.00
Rajasthan	87.00	1.68	1.82	0.09	0.00	0.35	5.59	0.61	1.59	1.27	100.00
Sikkim	92.86	2.38	2.38	1.19	1.19	0.00	0.00	0.00	0.00	0.00	100.00
Tamil Nadu	83.41	5.23	0.59	0.12	0.01	0.45	8.15	0.60	0.30	1.13	100.00
Telangana	75.89	1.00	4.84	0.03	0.03	0.86	11.78	0.15	2.01	3.42	100.00
Tripura	55.06	35.55	6.07	0.00	0.00	0.00	1.88	0.29	1.16	0.00	100.00
Uttar Pradesh	83.65	1.29	0.79	0.28	0.00	0.16	10.31	1.47	0.96	1.09	100.00
Uttarakhand	87.98	1.04	0.24	0.64	0.00	0.00	6.93	2.23	0.48	0.48	100.00
West Bengal	81.55	1.30	2.50	0.30	0.00	0.53	6.70	5.10	0.17	1.87	100.00
<b>All India</b>	<b>81.81</b>	<b>3.27</b>	<b>1.55</b>	<b>0.22</b>	<b>0.01</b>	<b>0.42</b>	<b>9.12</b>	<b>1.27</b>	<b>0.83</b>	<b>1.50</b>	<b>100.00</b>

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



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	13	0	0	0	0	0	0	13
Andhra Pradesh	10954	1126	413	5	3	7	4418	16925
Arunachal Pradesh	127	51	11	0	0	0	22	211
Assam	3935	546	231	6	0	6	757	5480
Bihar	2019	632	68	6	0	3	560	3289
Chandigarh	184	8	10	0	0	1	38	241
Chattisgarh	3619	122	85	6	0	4	561	4397
Dadra & N Haveli & Daman & Diu	1936	28	65	0	0	7	856	2891
Delhi	1902	173	30	10	0	10	883	3007
Goa	648	14	20	0	0	1	13	695
Gujarat	22346	292	575	21	0	101	6431	29766
Haryana	8152	111	36	27	0	19	2950	11294
Himachal Pradesh	1881	21	14	5	0	3	741	2665
Jammu and Kashmir	729	48	69	1	0	1	162	1009
Jharkhand	1982	142	216	29	1	9	500	2879
Karnataka	10755	375	121	20	0	6	3026	14302
Kerala	6300	552	113	1	0	5	741	7712
Ladakh	1	0	0	0	0	0	1	2
Madhya Pradesh	4123	148	72	22	0	25	621	5010
Maharashtra	19150	443	679	16	19	65	5978	26350
Manipur	189	22	4	0	0	0	3	218
Meghalaya	160	6	4	2	0	0	14	186
Mizoram	148	57	1	0	0	0	2	208
Nagaland	160	10	18	0	0	0	3	191
Odisha	2313	195	180	4	0	1	512	3204
Puducherry	567	88	5	1	1	2	96	760
Punjab	10475	140	280	14	0	19	2203	13131
Rajasthan	8449	242	374	3	0	20	1149	10237
Sikkim	78	2	2	1	1	0	0	84
Tamil Nadu	27656	3520	293	23	2	111	7907	39512
Telangana	9080	186	1019	1	1	81	2883	13251
Tripura	381	246	42	0	0	0	13	682
Uttar Pradesh	13684	271	93	45	0	13	3376	17481
Uttarakhand	2462	27	10	8	0	0	472	2978
West Bengal	7621	133	379	28	0	45	1522	9727
<b>All India</b>	<b>184179</b>	<b>9975</b>	<b>5530</b>	<b>302</b>	<b>27</b>	<b>562</b>	<b>49411</b>	<b>249987</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	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Andhra Pradesh	64.72	6.65	2.44	0.03	0.02	0.04	26.10	100.00
Arunachal Pradesh	60.19	24.17	5.21	0.00	0.00	0.00	10.43	100.00
Assam	71.81	9.96	4.22	0.11	0.00	0.11	13.81	100.00
Bihar	61.39	19.22	2.07	0.18	0.00	0.09	17.03	100.00
Chandigarh	76.35	3.32	4.15	0.00	0.00	0.41	15.77	100.00
Chattisgarh	82.31	2.77	1.93	0.14	0.00	0.09	12.76	100.00
Dadra & N Haveli & Daman & Diu	66.97	0.97	2.25	0.00	0.00	0.24	29.61	100.00
Delhi	63.25	5.75	1.00	0.33	0.00	0.33	29.36	100.00
Goa	93.24	2.01	2.88	0.00	0.00	0.14	1.87	100.00
Gujarat	75.07	0.98	1.93	0.07	0.00	0.34	21.61	100.00
Haryana	72.18	0.98	0.32	0.24	0.00	0.17	26.12	100.00
Himachal Pradesh	70.58	0.79	0.53	0.19	0.00	0.11	27.80	100.00
Jammu and Kashmir	72.25	4.76	6.84	0.10	0.00	0.10	16.06	100.00
Jharkhand	68.84	4.93	7.50	1.01	0.03	0.31	17.37	100.00
Karnataka	75.20	2.62	0.85	0.14	0.00	0.04	21.16	100.00
Kerala	81.69	7.16	1.47	0.01	0.00	0.06	9.61	100.00
Ladakh	50.00	0.00	0.00	0.00	0.00	0.00	50.00	100.00
Madhya Pradesh	82.30	2.95	1.44	0.44	0.00	0.50	12.40	100.00
Maharashtra	72.68	1.68	2.58	0.06	0.07	0.25	22.69	100.00
Manipur	86.70	10.09	1.83	0.00	0.00	0.00	1.38	100.00
Meghalaya	86.02	3.23	2.15	1.08	0.00	0.00	7.53	100.00
Mizoram	71.15	27.40	0.48	0.00	0.00	0.00	0.96	100.00
Nagaland	83.77	5.24	9.42	0.00	0.00	0.00	1.57	100.00
Odisha	72.19	6.09	5.62	0.12	0.00	0.03	15.98	100.00
Puducherry	74.61	11.58	0.66	0.13	0.13	0.26	12.63	100.00
Punjab	79.77	1.07	2.13	0.11	0.00	0.14	16.78	100.00
Rajasthan	82.53	2.36	3.65	0.03	0.00	0.20	11.22	100.00
Sikkim	92.86	2.38	2.38	1.19	1.19	0.00	0.00	100.00
Tamil Nadu	69.99	8.91	0.74	0.06	0.01	0.28	20.01	100.00
Telangana	68.52	1.40	7.69	0.01	0.01	0.61	21.76	100.00
Tripura	55.87	36.07	6.16	0.00	0.00	0.00	1.91	100.00
Uttar Pradesh	78.28	1.55	0.53	0.26	0.00	0.07	19.31	100.00
Uttarakhand	82.67	0.91	0.34	0.27	0.00	0.00	15.85	100.00
West Bengal	78.35	1.37	3.90	0.29	0.00	0.46	15.65	100.00
<b>All India</b>	<b>73.68</b>	<b>3.99</b>	<b>2.21</b>	<b>0.12</b>	<b>0.01</b>	<b>0.22</b>	<b>19.77</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	13	0	0	0	0	0	13
Andhra Pradesh	10954	1126	413	5	3	7	12507
Arunachal Pradesh	127	51	11	0	0	0	189
Assam	3935	546	231	6	0	6	4723
Bihar	2019	632	68	6	0	3	2729
Chandigarh	184	8	10	0	0	1	203
Chattisgarh	3619	122	85	6	0	4	3836
Dadra & N Haveli & Daman & Diu	1936	28	65	0	0	7	2035
Delhi	1902	173	30	10	0	10	2124
Goa	648	14	20	0	0	1	683
Gujarat	22346	292	575	21	0	101	23335
Haryana	8152	111	36	27	0	19	8344
Himachal Pradesh	1881	21	14	5	0	3	1924
Jammu and Kashmir	729	48	69	1	0	1	848
Jharkhand	1982	142	216	29	1	9	2379
Karnataka	10755	375	121	20	0	6	11276
Kerala	6300	552	113	1	0	5	6971
Ladakh	1	0	0	0	0	0	1
Madhya Pradesh	4123	148	72	22	0	25	4389
Maharashtra	19150	443	679	16	19	65	20372
Manipur	189	22	4	0	0	0	215
Meghalaya	160	6	4	2	0	0	172
Mizoram	148	57	1	0	0	0	206
Nagaland	160	10	18	0	0	0	188
Odisha	2313	195	180	4	0	1	2692
Puducherry	567	88	5	1	1	2	664
Punjab	10475	140	280	14	0	19	10928
Rajasthan	8449	242	374	3	0	20	9088
Sikkim	78	2	2	1	1	0	84
Tamil Nadu	27656	3520	293	23	2	111	31606
Telangana	9080	186	1019	1	1	81	10368
Tripura	381	246	42	0	0	0	669
Uttar Pradesh	13684	271	93	45	0	13	14105
Uttarakhand	2462	27	10	8	0	0	2506
West Bengal	7621	133	379	28	0	45	8205
<b>All India</b>	<b>184179</b>	<b>9975</b>	<b>5530</b>	<b>302</b>	<b>27</b>	<b>562</b>	<b>200576</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	87.58	9.00	3.30	0.04	0.02	0.06	100.00
Arunachal Pradesh	67.20	26.98	5.82	0.00	0.00	0.00	100.00
Assam	83.32	11.56	4.89	0.13	0.00	0.13	100.00
Bihar	73.98	23.16	2.49	0.22	0.00	0.11	100.00
Chandigarh	90.64	3.94	4.93	0.00	0.00	0.49	100.00
Chattisgarh	94.34	3.18	2.22	0.16	0.00	0.10	100.00
Dadra & N Haveli & Daman & Diu	95.14	1.38	3.19	0.00	0.00	0.34	100.00
Delhi	89.55	8.15	1.41	0.47	0.00	0.47	100.00
Goa	94.88	2.05	2.93	0.00	0.00	0.15	100.00
Gujarat	95.76	1.25	2.46	0.09	0.00	0.43	100.00
Haryana	97.70	1.33	0.43	0.32	0.00	0.23	100.00
Himachal Pradesh	97.77	1.09	0.73	0.26	0.00	0.16	100.00
Jammu and Kashmir	85.97	5.66	8.14	0.12	0.00	0.12	100.00
Jharkhand	83.31	5.97	9.08	1.22	0.04	0.38	100.00
Karnataka	95.38	3.33	1.07	0.18	0.00	0.05	100.00
Kerala	90.37	7.92	1.62	0.01	0.00	0.07	100.00
Ladakh	100.00	0.00	0.00	0.00	0.00	0.00	100.00
Madhya Pradesh	93.94	3.37	1.64	0.50	0.00	0.57	100.00
Maharashtra	94.00	2.17	3.33	0.08	0.09	0.32	100.00
Manipur	87.91	10.23	1.86	0.00	0.00	0.00	100.00
Meghalaya	93.02	3.49	2.33	1.16	0.00	0.00	100.00
Mizoram	71.84	27.67	0.49	0.00	0.00	0.00	100.00
Nagaland	85.11	5.32	9.57	0.00	0.00	0.00	100.00
Odisha	85.92	7.24	6.69	0.15	0.00	0.04	100.00
Puducherry	85.39	13.25	0.75	0.15	0.15	0.30	100.00
Punjab	95.85	1.28	2.56	0.13	0.00	0.17	100.00
Rajasthan	92.97	2.66	4.12	0.03	0.00	0.22	100.00
Sikkim	92.86	2.38	2.38	1.19	1.19	0.00	100.00
Tamil Nadu	87.50	11.14	0.93	0.07	0.01	0.35	100.00
Telangana	87.58	1.79	9.83	0.01	0.01	0.78	100.00
Tripura	56.95	36.77	6.28	0.00	0.00	0.00	100.00
Uttar Pradesh	97.02	1.92	0.66	0.32	0.00	0.09	100.00
Uttarakhand	98.24	1.08	0.40	0.32	0.00	0.00	100.00
West Bengal	92.88	1.62	4.62	0.34	0.00	0.55	100.00
<b>All India</b>	<b>91.83</b>	<b>4.97</b>	<b>2.76</b>	<b>0.15</b>	<b>0.01</b>	<b>0.28</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 2021-22 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 2021-22, there have been 2,00,576 registered operating factories in all States and Union Territories except Union Territory of Lakshadweep. This is found to be higher by 0.09 percent than that of last year. These factories together have a total stock of fixed capital worth ₹ 37,26,35,444 Lakhs and invested capital ₹ 55,44,93,175 Lakhs. These are higher by 0.87 and 6.82 percent, respectively compared to those estimated in ASI 2020-21. These factories have provided gainful employment to 1,72,15,350 persons and distributed ₹ 5,60,82,801 Lakhs as emoluments to employees. Those factories have consumed inputs both industrial and non-industrial in nature, worth ₹ 98,79,17,996 Lakhs to produce ₹ 1,19,27,15,147 Lakhs, worth of goods and services valued at ex-factory prices and contributed ₹ 17,48,32,466 Lakhs by way of net value added through manufacturing to the national income.

**3.1.3** The input and output have shown growth of 37.36% and 35.39% respectively, the net value added grew by 30.88% in 2021-22 as compared to those estimated as per the previous ASI. This can be seen from the waterfall chart (given at figure 4a) showing the change in absolute value of some related parameters from ASI 2020-21 to 2021-22. Similar chart showing change in the same set of parameters from 2019-20 to 2020-21 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. Furthermore, the Gross Output per factory in Operation and the Net Value Added per factory in Operation have shown significant growth over last year. However, in the previous year i.e. 2020-21, Gross Output per factory in Operation had declined and Net Value Added per factory in Operation had increased. The survey results revealed that in 2021-22, a factory with an average investment of ₹ 1,858 Lakhs in fixed capital has provided gainful employment to 86 persons, produced goods and services at ex-factory prices worth ₹ 5,946 Lakhs and contributed ₹ 872 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 2021-22 has, on average, produced an output of ₹ 69,28,207 and contributed ₹ 10,15,561 to the national income by way of net value added through manufacturing. The corresponding averages in the preceding year are respectively ₹ 54,75,064 and ₹ 8,30,213.

**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 2.13 in 2021-22 as compared to the previous year's value 2.77. Similarly, the fixed capital required to produce one unit of ex-factory output has declined to 0.31. The level of efficiency, measured by the ratio of the net value added to gross output has remained same to 0.15. The GVA to fixed capital ratio has increased to 0.55 from 0.44 and the output to input ratio has marginally declined to 1.21.

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

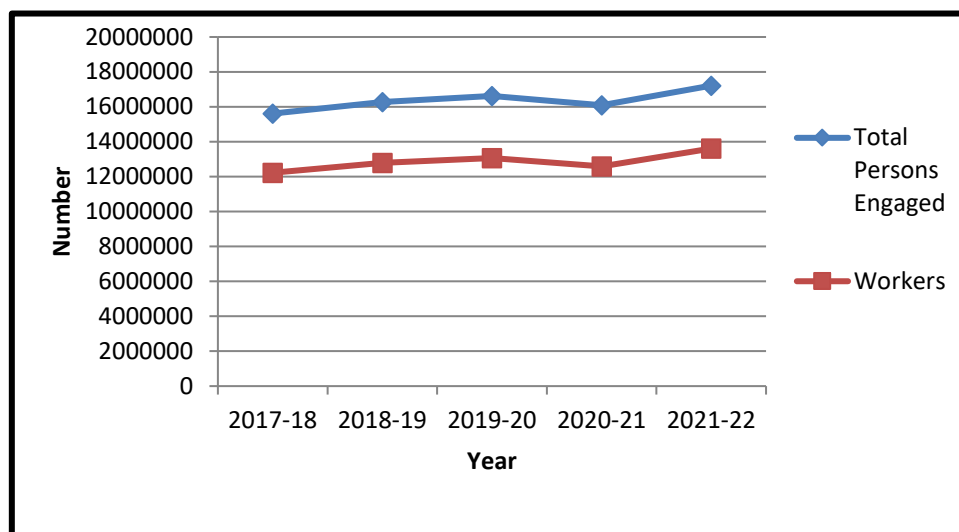


Figure 1 shows that these two parameters behaved in similar manner in the last five years i.e. 2017-18 to 2021-22.

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

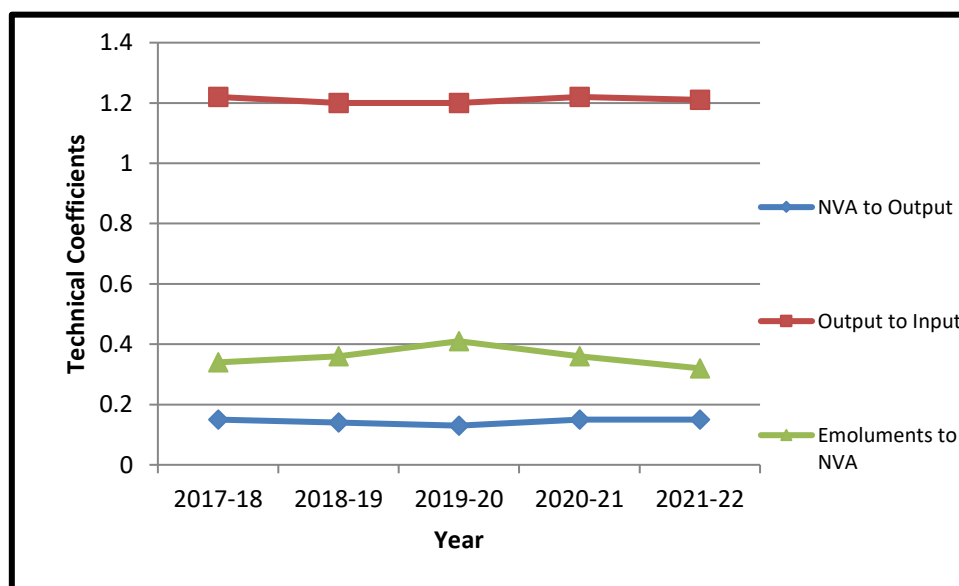


Figure 2 presents some technical coefficients for the last five years i.e. 2017-18 to 2021-22. Here the technical coefficients are estimated on the basis of NVA to output, output to input and emoluments to NVA. From the above figure, it is found that Emoluments to NVA ratio, indicating the labour productivity has almost been static over the past few years with a marginal decline in 2021-22 in comparison to previous year. Again, NVA to Output and output to input have also remained stable over years.

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

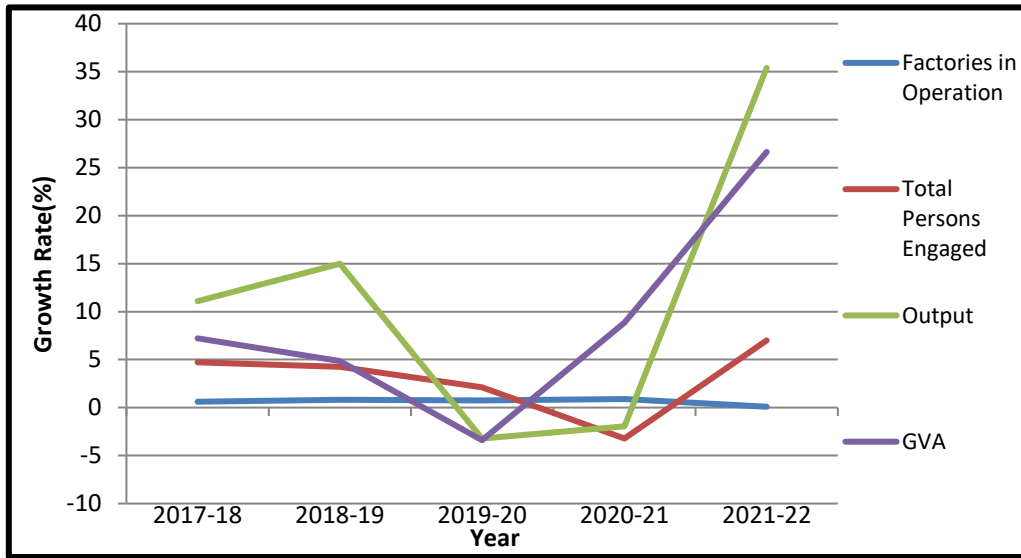
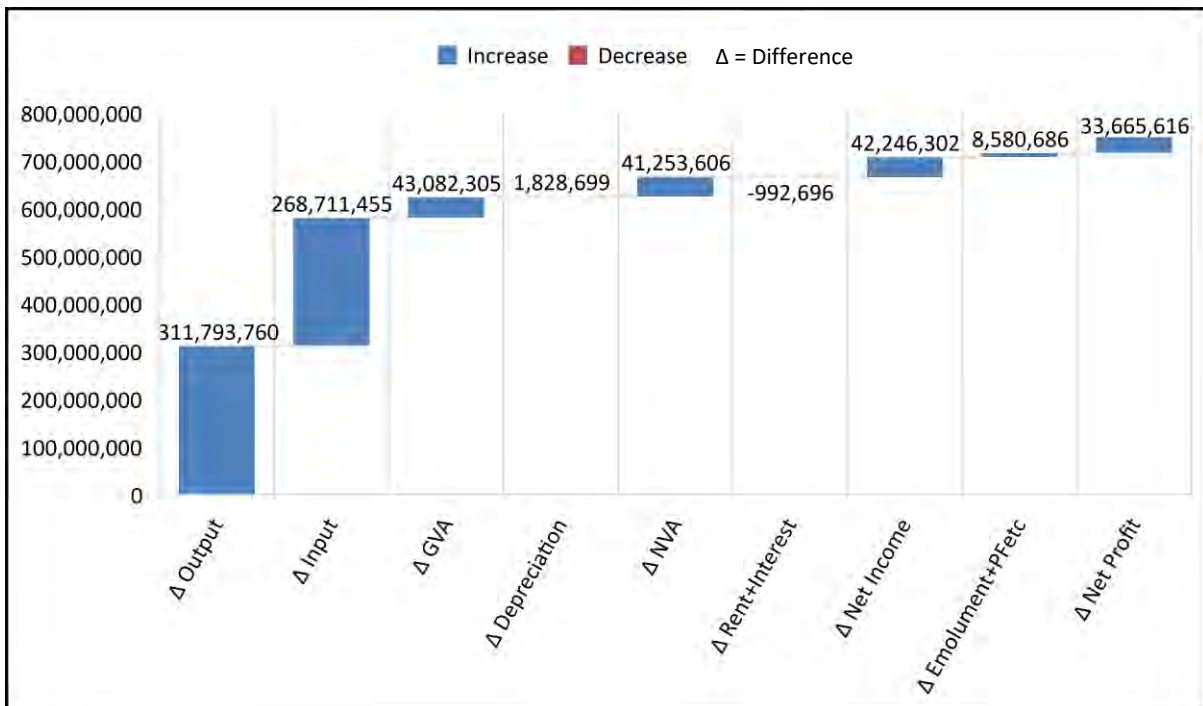
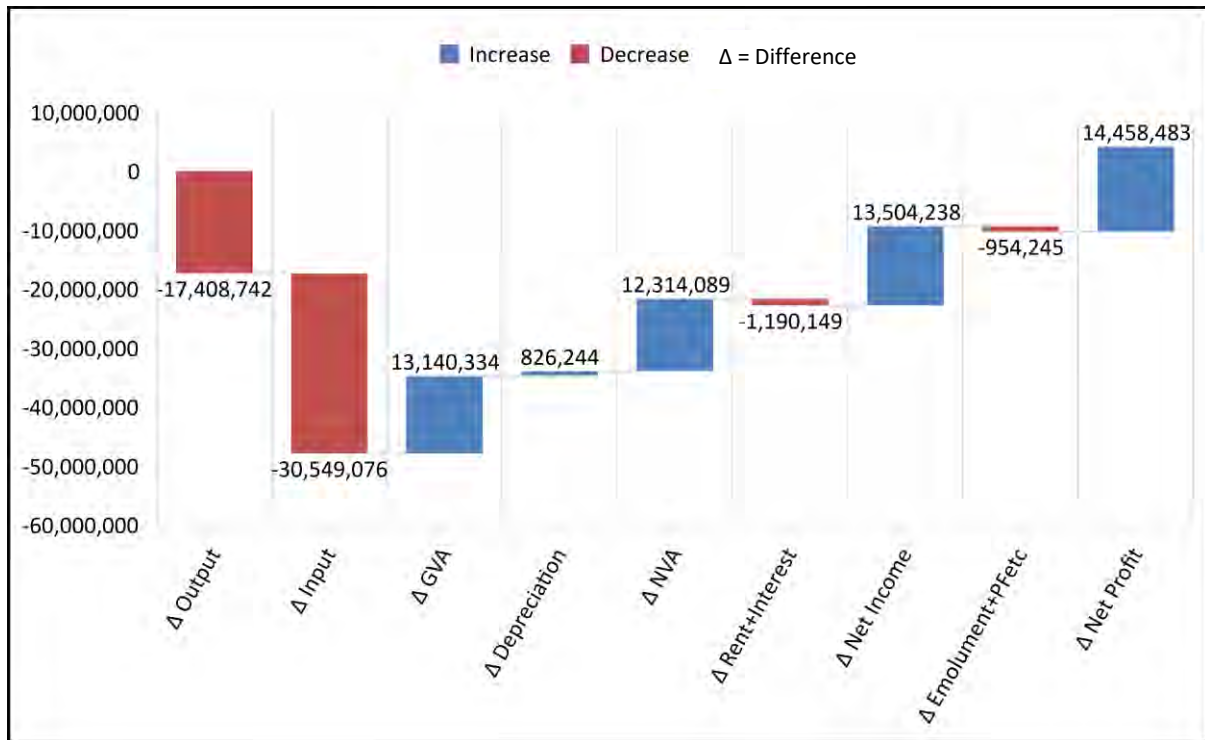


Figure 3 depicts the annual growth rates for Factories in Operation, Total Persons Engaged, Output and GVA for the last five years. All the growth rates in respect of the above-mentioned parameters have increased in 2021-22 as compared to last year in the organized factory sector.

**Figure 4a: Waterfall chart showing change in absolute value (in ₹ Lakh) in a few important parameters from 2020-21 to 2021-22: All –India**



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





**Statement 3A: Value of Principal Characteristics**

<b>Characteristics</b>	<b>Unit</b>	<b>ASI Year</b>				
		<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
Factories in Operation	Number	195584	197145	198628	200395	200576
Fixed Capital	₹ Lakhs	328588927	346606975	364135165	369438562	372635444
Invested Capital	₹ Lakhs	446094480	477726474	497362352	519114310	554493175
Workers	Number	12224422	12798588	13058156	12594563	13609931
Total Persons Engaged	Number	15614619	16280211	16624291	16089700	17215350
Wages to Worker	₹ Lakhs	19280066	21576035	22890520	22261548	26455930
Total Emoluments	₹ Lakhs	41835716	46207983	49172897	48389031	56082801
Input	₹ Lakhs	660520215	774377980	749755617	719206541	987917996
Output	₹ Lakhs	807217258	928179908	898330129	880921387	1192715147
GVA	₹ Lakhs	146697043	153801928	148574512	161714846	204797151
Depreciation	₹ Lakhs	23729624	26155291	27309742	28135986	29964685
NVA	₹ Lakhs	122967418	127646637	121264771	133578860	174832466
Rent Paid for Fixed Assets	₹ Lakhs	2147363	512545	471423	481328	506211
Interest Paid	₹ Lakhs	18768379	19343714	18549872	17349819	16332239
Net Income	₹ Lakhs	105078789	107790378	102243476	115747714	157994016
Net Profit	₹ Lakhs	57624246	55652258	46947269	61405752	95071368

**Statement 3B: Observed Growth Rate**

<b>Characteristics</b>	<b>Percentage Growth</b>			
	<b>2018-19 over 2017-18</b>	<b>2019-20 over 2018-19</b>	<b>2020-21 over 2019-20</b>	<b>2021-22 over 2020-21</b>
Factories in Operation	0.80	0.75	0.89	0.09
Fixed Capital	5.48	5.06	1.46	0.87
Invested Capital	7.09	4.11	4.37	6.82
Workers	4.70	2.03	-3.55	8.06
Total Persons Engaged	4.26	2.11	-3.22	7.00
Wages to Worker	11.91	6.09	-2.75	18.84
Total Emoluments	10.45	6.42	-1.59	15.90
Input	17.24	-3.18	-4.07	37.36
Output	14.99	-3.22	-1.94	35.39
GVA	4.84	-3.40	8.84	26.64
Depreciation	10.22	4.41	3.03	6.50
NVA	3.81	-5.00	10.15	30.88
Rent Paid for Fixed Assets	-76.13	-8.02	2.10	5.17
Interest Paid	3.07	-4.10	-6.47	-5.87
Net Income	2.58	-5.15	13.21	36.50
Net Profit	-3.42	-15.64	30.80	54.82

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

<b>Structural Ratios</b>	<b>Unit</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
Fixed Capital per Factory in Operation	₹ Lakhs	1680	1758	1833	1844	1858
Total Persons Engaged per Factory in Operation	Number	80	83	84	80	86
Workers per Factory in Operation	Number	63	65	66	63	68
Gross Output per Factory in Operation	₹ Lakhs	4127	4708	4523	4396	5946
Net Value Added per Factory in Operation	₹ Lakhs	629	647	611	667	872
Output per Person Engaged	₹	5169625	5701277	5403720	5475064	6928207
Gross Value Added per Person Engaged	₹	939485	944717	893719	1005083	1189619
Net Value Added per Person Engaged	₹	787515	784060	729443	830213	1015561
Wages per Worker	₹	157718	168581	175297	176755	194387

<b>Technical Coefficients</b>						
Fixed Capital to Net Value Added		2.67	2.72	3.00	2.77	2.13
Fixed Capital to Output		0.41	0.37	0.41	0.42	0.31
Net Value Added to Output		0.15	0.14	0.13	0.15	0.15
Gross Value Added to Fixed Capital		0.45	0.44	0.41	0.44	0.55
Output to Input		1.22	1.20	1.20	1.22	1.21
Profit to Output		0.07	0.06	0.05	0.07	0.08
Contract Workers to Total Workers		0.36	0.38	0.38	0.39	0.40
Emoluments to Net Value Added		0.34	0.36	0.41	0.36	0.32

## **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 (11.05%), Textiles (9.64%), Basic Metals (7.39%), Wearing Apparel (6.86%) and Motor Vehicles, Trailers and Semi-trailers (6.83%). Figures within the bracket denote the percentage share in the total number of persons engaged by the industry. Thus, the above five industries engaged 41.77% of the total manpower in the factory sector. Figure 5a shows the the manufacturing employment by major industry divisions (NIC 10-32) in 2021-22.

**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 Coke and Refined Petroleum Products. They contributed a total of 55.78% of aggregate GVA with individual shares of 16.68%, 10.87%, 8.40%, 6.95%, 6.61% and 6.27 % respectively. The above six industries also accounted for 58.47% of aggregate fixed capital. Figure 5b shows the relative position of major industries in respect of their percentage shares in aggregate GVA.

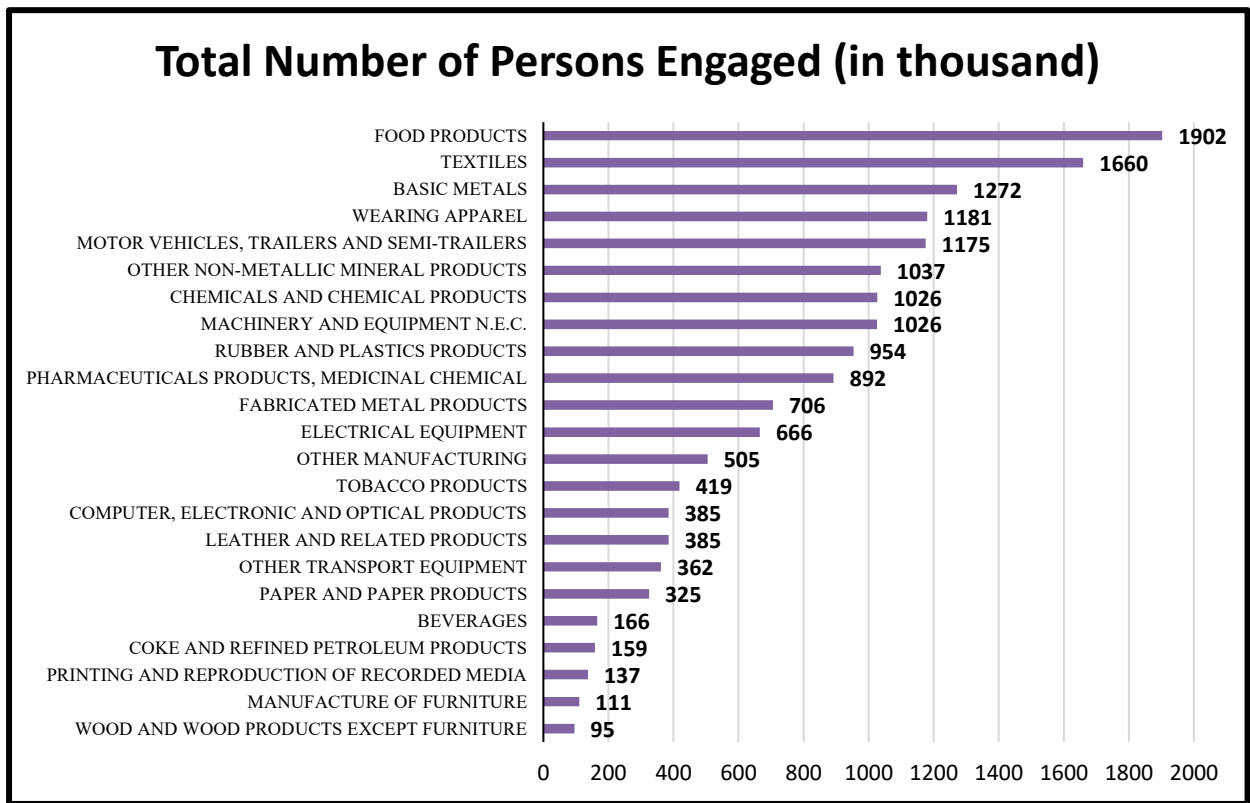
### **4.2 Structural Ratios**

**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.

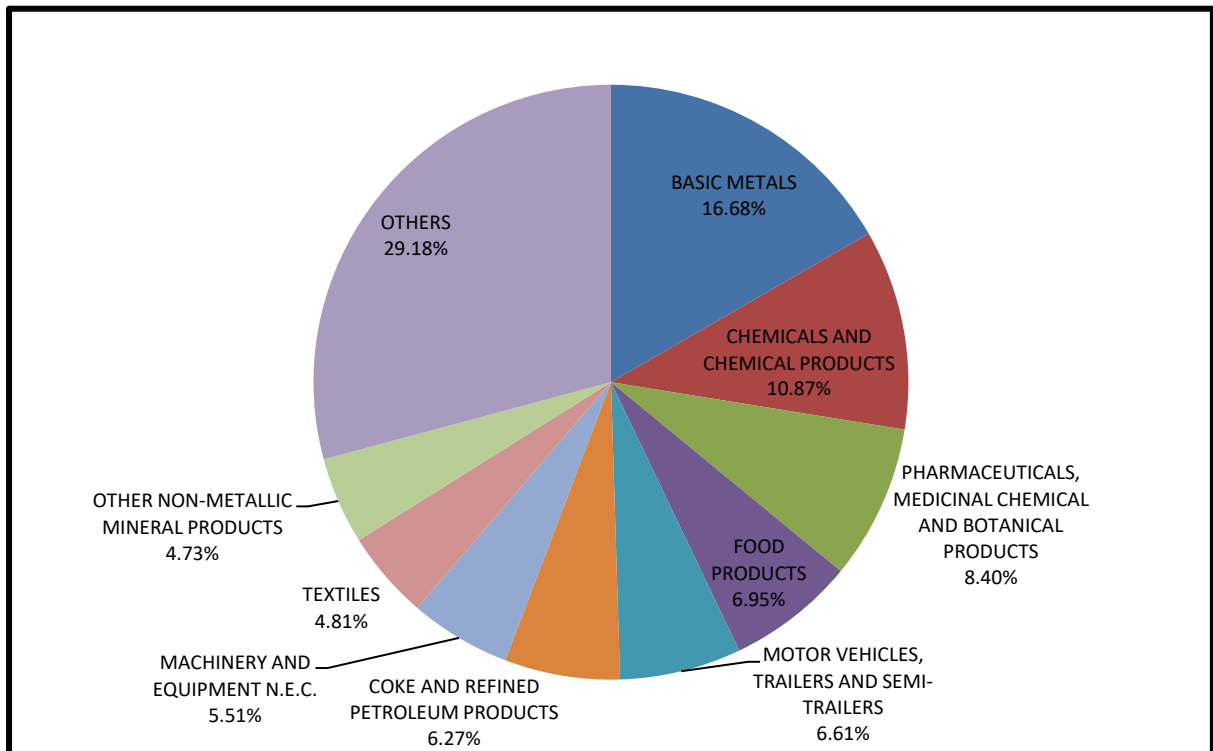
**Table 2: Structural Ratios: Minimum, Maximum and Average Values: All India**

<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)	201 (NIC 16 - WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS)	29,607 (NIC 19 - COKE AND REFINED PETROLEUM PRODUCTS)	1,858
<b>Gross Output per Factory in Operation</b> (₹ Lakhs)	891 (NIC 16 - WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS)	83,197 (NIC 19 - COKE AND REFINED PETROLEUM PRODUCTS)	5,946
<b>Net Value Added per Factory in Operation</b> (₹ Lakhs)	139 (NIC 16 - WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS)	6,557 (NIC 19 - COKE AND REFINED PETROLEUM PRODUCTS)	872
<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)	166 (NIC 12 - TOBACCO PRODUCTS)	68
<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)	86
<b>Net Value Added per Person Engaged</b> (₹)	3,38,639 (NIC 14 - WEARING APPAREL)	67,29,680 (NIC 19 - COKE AND REFINED PETROLEUM PRODUCTS)	10,15,561
<b>Wages per Worker</b> (₹)	49,932 (NIC 12 - TOBACCO PRODUCTS)	3,52,934 (NIC 33 - REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT)	1,94,387

**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	9329	67728558	11122667	94607279	73133199	1271623	156081525	190235652	34154127	29641545	16.68
20	CHEMICALS AND CHEMICAL PRODUCTS	11453	36383289	14261527	51932189	41555795	1026380	87527258	109790820	22263562	19597610	10.87
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	4589	16356234	13743459	26361183	13855351	892308	31407004	48617781	17210777	15590650	8.40
10	FOOD PRODUCTS	32803	25907916	15637794	51319866	20472421	1902472	139499329	153725362	14226032	12052433	6.95
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	5675	23172665	8196686	32659239	30208381	1175314	73222840	86768704	13545864	10352182	6.61
19	COKE AND REFINED PETROLEUM PRODUCTS	1632	48319036	-350778	65537267	45651029	159001	122939151	135776750	12837600	10700259	6.27
28	MACHINERY AND EQUIPMENT N.E.C.	11199	11314037	12124307	22282856	9907327	1025773	39274286	50554434	11280148	10087786	5.51
13	TEXTILES	13767	15280439	6062818	24272953	17653721	1659772	44411559	54253438	9841879	8402498	4.81
23	OTHER NON-METALLIC MINERAL PRODUCTS	23815	23300295	5409699	30307858	24023701	1037141	30110891	39797983	9687093	7861220	4.73
OT	OTHER INDUSTRIES	11534	42504497	440215	45067067	47746078	503073	25169971	34386847	9216876	6595249	4.50
22	RUBBER AND PLASTICS PRODUCTS	12062	15097792	6281770	22310857	16440032	953779	38761824	47510578	8748754	7053793	4.27
27	ELECTRICAL EQUIPMENT	6149	6761528	8154297	13820913	6202700	665596	33887356	40387529	6500172	5781558	3.17
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND	12919	6236101	6284381	11762506	5202976	705612	22622423	28009698	5387274	4769217	2.63
30	OTHER TRANSPORT EQUIPMENT	2001	4948198	3301401	7449888	4968436	361877	19218433	24208751	4990318	4395935	2.44
26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	2022	4949754	5763326	10273615	3725029	384733	28964665	33521302	4556637	3911782	2.22
14	WEARING APPAREL	9007	3456194	3814347	7237861	1763199	1180573	14548547	18871906	4323359	3997875	2.11
32	OTHER MANUFACTURING	3466	2468313	4801063	8007236	2084325	504669	28159208	31966987	3807779	3493495	1.86
17	PAPER AND PAPER PRODUCTS	5942	6982871	1684785	9476587	7442417	324657	14637707	17619230	2981523	2445292	1.46
11	BEVERAGES	1911	4404645	1472783	6091644	4361472	165576	7743134	9837544	2094409	1723915	1.02
12	TOBACCO PRODUCTS	2433	552242	557221	1279481	595581	418575	2443002	4230043	1787040	1731663	0.87
15	LEATHER AND RELATED PRODUCTS	3648	1414978	1021395	2925914	928067	384646	5387517	6849453	1461936	1306892	0.71
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	3210	1388759	914278	1938797	1234344	137026	2404596	3384005	979409	822660	0.48
31	MANUFACTURE OF FURNITURE	1908	838453	545669	1510146	429857	110881	2866510	3527046	660536	578684	0.32
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS	3999	803823	701433	1596972	532811	95424	2930157	3563740	633584	556116	0.31
01	COTTON GINNING, CLEANING AND BAILING (01632); SEED PROCESSING FOR PROPAGATION (01640)	2562	576255	1560681	2084202	214905	77167	8936702	9557867	621165	556256	0.30
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	541	529636	1507732	976124	455203	35014	2604712	3037539	432827	354540	0.21
38	WASTE COLLECTION, TREATMENT & DISPOSAL ACTIVITIES;	604	581416	267036	913947	301746	28205	1735854	2001626	265772	214688	0.13
58	PUBLISHING ACTIVITIES	278	323108	1748	423286	514657	21920	360601	610830	250229	214333	0.12
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	119	54413	24909	65443	56139	6561	61234	111705	50471	42341	0.02
	<b>ALL INDUSTRIES</b>	<b>200576</b>	<b>372635444</b>	<b>135308648</b>	<b>554493175</b>	<b>381660898</b>	<b>17215350</b>	<b>987917996</b>	<b>1192715147</b>	<b>204797151</b>	<b>174832466</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	4.65	18.18	8.22	17.06	19.16	7.39	15.80	15.95	16.68	16.95
20	CHEMICALS AND CHEMICAL PRODUCTS	5.71	9.76	10.54	9.37	10.89	5.96	8.86	9.21	10.87	11.21
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	2.29	4.39	10.16	4.75	3.63	5.18	3.18	4.08	8.40	8.92
10	FOOD PRODUCTS	16.35	6.95	11.56	9.26	5.36	11.05	14.12	12.89	6.95	6.89
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	2.83	6.22	6.06	5.89	7.91	6.83	7.41	7.27	6.61	5.92
19	COKE AND REFINED PETROLEUM PRODUCTS	0.81	12.97	-0.26	11.82	11.96	0.92	12.44	11.38	6.27	6.12
28	MACHINERY AND EQUIPMENT N.E.C.	5.58	3.04	8.96	4.02	2.60	5.96	3.98	4.24	5.51	5.77
13	TEXTILES	6.86	4.10	4.48	4.38	4.63	9.64	4.50	4.55	4.81	4.81
23	OTHER NON-METALLIC MINERAL PRODUCTS	11.87	6.25	4.00	5.47	6.29	6.02	3.05	3.34	4.73	4.50
OT	OTHER INDUSTRIES	5.75	11.41	0.33	8.13	12.51	2.92	2.55	2.88	4.50	3.77
22	RUBBER AND PLASTICS PRODUCTS	6.01	4.05	4.64	4.02	4.31	5.54	3.92	3.98	4.27	4.03
27	ELECTRICAL EQUIPMENT	3.07	1.81	6.03	2.49	1.63	3.87	3.43	3.39	3.17	3.31
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	6.44	1.67	4.64	2.12	1.36	4.10	2.29	2.35	2.63	2.73
30	OTHER TRANSPORT EQUIPMENT	1.00	1.33	2.44	1.34	1.30	2.10	1.95	2.03	2.44	2.51
26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	1.01	1.33	4.26	1.85	0.98	2.23	2.93	2.81	2.22	2.24
14	WEARING APPAREL	4.49	0.93	2.82	1.31	0.46	6.86	1.47	1.58	2.11	2.29
32	OTHER MANUFACTURING	1.73	0.66	3.55	1.44	0.55	2.93	2.85	2.68	1.86	2.00
17	PAPER AND PAPER PRODUCTS	2.96	1.87	1.25	1.71	1.95	1.89	1.48	1.48	1.46	1.40
11	BEVERAGES	0.95	1.18	1.09	1.10	1.14	0.96	0.78	0.82	1.02	0.99
12	TOBACCO PRODUCTS	1.21	0.15	0.41	0.23	0.16	2.43	0.25	0.35	0.87	0.99
15	LEATHER AND RELATED PRODUCTS	1.82	0.38	0.75	0.53	0.24	2.23	0.55	0.57	0.71	0.75
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	1.60	0.37	0.68	0.35	0.32	0.80	0.24	0.28	0.48	0.47
31	MANUFACTURE OF FURNITURE	0.95	0.23	0.40	0.27	0.11	0.64	0.29	0.30	0.32	0.33
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS	1.99	0.22	0.52	0.29	0.14	0.55	0.30	0.30	0.31	0.32
01	COTTON GINNING, CLEANING AND BAILING (01632); SEED PROCESSING FOR	1.28	0.15	1.15	0.38	0.06	0.45	0.90	0.80	0.30	0.32
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	0.27	0.14	1.11	0.18	0.12	0.20	0.26	0.25	0.21	0.20
38	WASTE COLLECTION, TREATMENT & DISPOSAL ACTIVITIES; MATERIALS RECOVERY	0.30	0.16	0.20	0.16	0.08	0.16	0.18	0.17	0.13	0.12
58	PUBLISHING ACTIVITIES	0.14	0.09	0.00	0.08	0.13	0.13	0.04	0.05	0.12	0.12
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	0.06	0.01	0.02	0.01	0.01	0.04	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)	225	30	23	3731	217	12385951	804962	720847	125992
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	457	55	48	939	356	1702561	769258	645344	125183
10	FOOD PRODUCTS	790	58	45	4686	367	8080296	747766	633514	159446
11	BEVERAGES	2305	87	68	5148	902	5941407	1264923	1041162	195354
12	TOBACCO PRODUCTS	227	172	166	1739	712	1010582	426934	413704	49932
13	TEXTILES	1110	121	103	3941	610	3268728	592966	506244	161533
14	WEARING APPAREL	384	131	114	2095	444	1598538	366209	338639	146619
15	LEATHER AND RELATED PRODUCTS	388	105	89	1878	358	1780716	380073	339765	153346
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS	201	24	18	891	139	3734637	663967	582784	143010
17	PAPER AND PAPER PRODUCTS	1175	55	44	2965	412	5427029	918361	753192	180166
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	433	43	29	1054	256	2469608	714761	600368	196954
19	COKE AND REFINED PETROLEUM PRODUCTS	29607	97	77	83197	6557	85393645	8073911	6729680	352185
20	CHEMICALS AND CHEMICAL PRODUCTS	3177	90	67	9586	1711	10696898	2169134	1909391	214846
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	3564	194	126	10594	3397	5448543	1928793	1747227	249729
22	RUBBER AND PLASTICS PRODUCTS	1252	79	63	3939	585	4981298	917273	739563	187832
23	OTHER NON-METALLIC MINERAL PRODUCTS	978	44	36	1671	330	3837278	934019	757970	150721
24	BASIC METALS	7260	136	111	20392	3177	14960067	2685869	2331001	278930
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	483	55	43	2168	369	3969561	763490	675898	202863
26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	2448	190	147	16578	1935	8712874	1184363	1016752	227014
27	ELECTRICAL EQUIPMENT	1100	108	84	6568	940	6067874	976594	868629	213983
28	MACHINERY AND EQUIPMENT N.E.C.	1010	92	65	4514	901	4928423	1099673	983433	230225
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	4083	207	165	15290	1824	7382598	1152531	880801	241434
30	OTHER TRANSPORT EQUIPMENT	2473	181	144	12098	2197	6689773	1379009	1214759	232821
31	MANUFACTURE OF FURNITURE	439	58	44	1849	303	3180929	595716	521896	185315
32	OTHER MANUFACTURING	712	146	117	9223	1008	6334248	754510	692235	208413
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	979	65	47	5615	655	8675213	1236154	1012566	352934
38	WASTE COLLECTION, TREATMENT & DISPOSAL ACTIVITIES; MATERIALS RECOVERY	963	47	36	3314	355	7096706	942287	761170	182840
58	PUBLISHING ACTIVITIES	1162	79	37	2197	771	2786633	1141556	977797	322804
	OTHER INDUSTRIES	3685	44	31	2981	572	6835359	1832115	1310992	198255
	<b>ALL INDUSTRIES</b>	<b>1858</b>	<b>86</b>	<b>68</b>	<b>5946</b>	<b>872</b>	<b>6928207</b>	<b>1189619</b>	<b>1015561</b>	<b>194387</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.

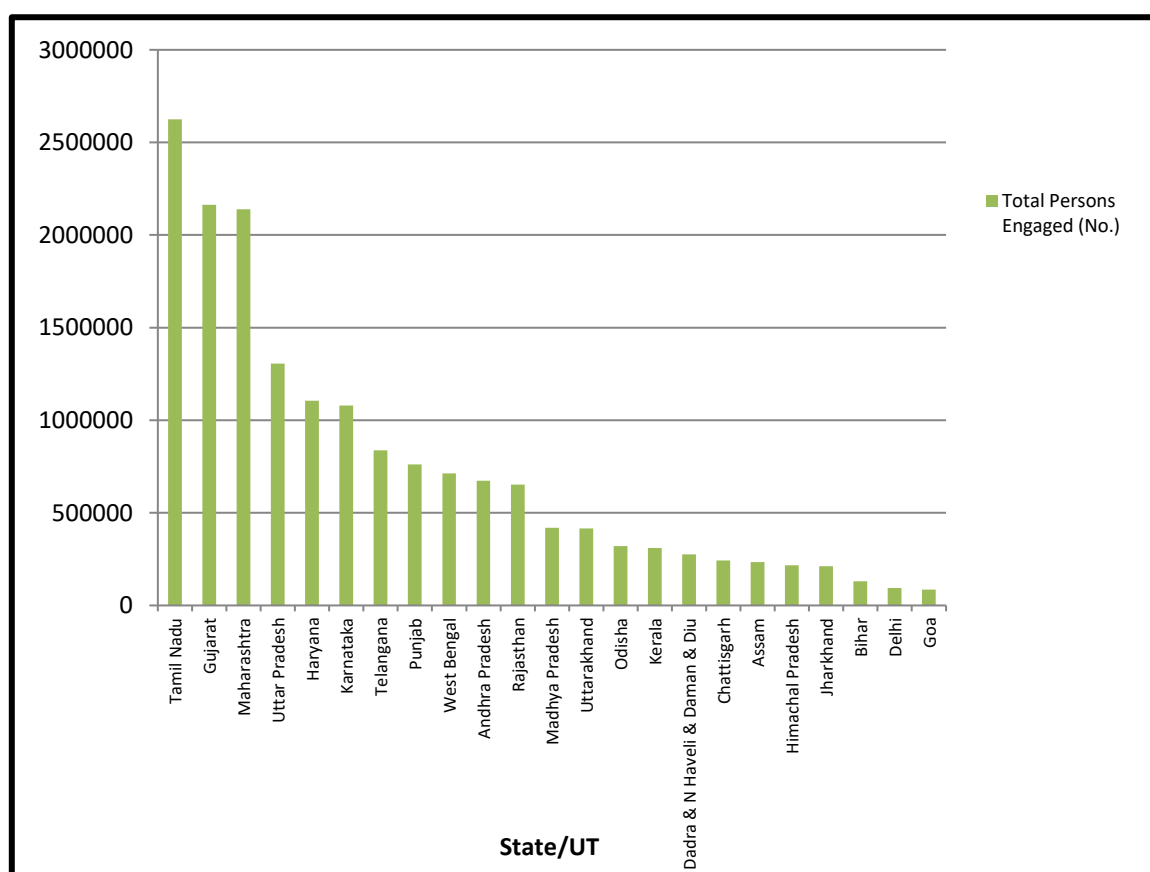
**5.1.2** In 2021-22, the number of operating factories is reported highest in Tamil Nadu (15.76%) followed by Gujarat (11.63%). Gujarat's share is the highest in respect of aggregates gross value of plant and machinery (19.83%), fixed capital (18.43%), invested capital (17.98%), input (18.71%) and total output (18.01%). Maharashtra occupies the first position by virtue of its contribution to net value added (15.95%), gross value added (15.67%), working capital (14.70%) and total emoluments (17.02%). In terms of contribution to net value added, Maharashtra is followed by Gujarat (14.40%), Tamil Nadu (9.18%), Karnataka (7.60%) and Uttar Pradesh (6.04%) 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
<b>Fixed Capital per Factory in Operation</b> (₹ Lakhs)	26 (Mizoram)	11,595 (Odisha)	1,858
<b>Gross Output per Factory in Operation</b> (₹ Lakhs)	38 (Mizoram)	27,971 (Sikkim)	5,946
<b>Workers per Factory in Operation</b> (Number)	5 (Mizoram)	221 (Sikkim)	68
<b>Total Persons Engaged per Factory in Operation</b> (Number)	7 (Mizoram)	268 (Sikkim)	86
<b>Wages per Worker</b> (₹)	54,034 (Tripura)	3,02,486 (Jharkhand)	1, 94,387

**Figure 6: Total Number of Persons Engaged in the Factory Sector by major 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
Maharashtra	20372	45212876	19895765	72624739	49402043	2138304	9546929	134561207	166650767	32089560	27882241	15.67
Gujarat	23335	68660073	18318211	99704391	75694741	2162690	7250551	184794734	214827011	30032277	25168163	14.66
Tamil Nadu	31606	30759568	16344886	49734230	31336193	2625109	7264521	96594100	116019820	19425720	16054663	9.49
Karnataka	11276	24882311	11504515	37064077	25203944	1079730	4197947	59974031	75490175	15516144	13284806	7.58
Uttar Pradesh	14105	18310288	10664211	30710362	17572739	1305711	3869297	66835629	78902954	12067325	10566813	5.89
Haryana	8344	14846810	8250796	24815574	15396705	1105726	3896320	63197258	74105689	10908432	9380685	5.33
Odisha	2692	31214693	675910	38399084	29882065	320646	1243742	36870413	46879708	10009295	8278568	4.89
Rajasthan	9088	13750477	9003316	21033576	14893293	653390	2064218	40075226	48384800	8309574	7088374	4.06
Andhra Pradesh	12507	22111956	2270971	31117649	19487753	672708	2098606	44916944	52937417	8020473	6442397	3.92
Telangana	10368	10719276	7145486	16954361	9487121	837235	2159915	25470492	32620536	7150044	6252794	3.49
West Bengal	8205	13057558	5068184	20069701	14205867	713643	2007888	38615774	45478568	6862795	5850303	3.35
Madhya Pradesh	4389	18978956	2625323	24246459	21061693	419616	1348072	28157852	34806545	6648693	5306472	3.25
Punjab	10928	10398150	4935528	16781407	8663149	761070	1693909	31807573	37249795	5442222	4787748	2.66
Uttarakhand	2506	5652220	3237997	8728194	6275464	414972	1144063	17834885	23094765	5259880	4749803	2.57
Jharkhand	2379	9207891	-187748	11862040	9787083	211954	1022428	15919005	20883637	4964632	4368121	2.42
Chattisgarh	3836	10404289	381393	13430121	11747373	243195	902487	21461456	25497713	4036257	3415783	1.97
Himachal Pradesh	1924	4595970	2284096	6351942	4318220	216241	793296	11550633	15160437	3609804	3236209	1.76
Dadra & N Haveli & Daman & Diu	2035	3582156	5226717	6233540	4403225	276094	761179	19261213	22417127	3155914	2826712	1.54
Kerala	6971	5469094	1834867	8320745	3665985	311082	951306	17118829	19828602	2709774	2290758	1.32
Assam	4723	3933763	1376442	5366134	3065545	234148	396860	8712030	11094079	2382048	2054616	1.16
Goa	683	1315686	1245995	2299839	1593318	86182	399350	4376459	5943807	1567348	1410334	0.77
Bihar	2729	1996689	596209	2920302	1411430	130081	222368	8069368	9333164	1263795	1129830	0.62
Sikkim	84	506930	513748	806807	280858	22493	92832	1308983	2349577	1040594	964535	0.51
Jammu and Kashmir	848	543391	697780	1019313	487303	62706	157973	2433421	3126870	693449	641229	0.34
Puducherry	664	595069	304521	1008152	692472	53126	160628	2910023	3587704	677681	618109	0.33
Delhi	2124	598734	817637	1291522	309230	93502	319291	3735720	4355021	619301	558735	0.30
Meghalaya	172	338344	135057	458740	429796	12602	42509	719234	898383	179149	138091	0.09
Chandigarh	203	93922	106833	163927	51766	9275	35333	275396	340245	64849	55791	0.03
Tripura	669	47064	11554	84136	10783	23821	16009	167332	206315	38983	32122	0.02
Arunachal Pradesh	189	803041	4115	822162	824649	4424	11176	86898	112921	26023	-22919	0.01
Manipur	215	18439	5271	28122	4863	6941	6256	50745	62807	12063	9662	0.01
Nagaland	188	17287	8211	25438	10455	5347	3969	43970	54096	10126	9136	0.00
Mizoram	206	5377	2964	6761	2181	1350	953	5150	7787	2637	2004	0.00
A&N Islands	13	1617	1151	3410	1590	199	497	2586	3313	727	534	0.00
Ladakh	1	5478	737	6216	0	36	125	3427	2993	-434	-757	0.00
<b>All India</b>	<b>200576</b>	<b>372635444</b>	<b>135308648</b>	<b>554493175</b>	<b>381660898</b>	<b>17215350</b>	<b>56082801</b>	<b>987917996</b>	<b>1192715147</b>	<b>204797151</b>	<b>174832466</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
Maharashtra	10.16	12.13	14.70	13.10	12.94	12.42	17.02	13.62	13.97	15.67	15.95
Gujarat	11.63	18.43	13.54	17.98	19.83	12.56	12.93	18.71	18.01	14.66	14.40
Tamil Nadu	15.76	8.25	12.08	8.97	8.21	15.25	12.95	9.78	9.73	9.49	9.18
Karnataka	5.62	6.68	8.50	6.68	6.60	6.27	7.49	6.07	6.33	7.58	7.60
Uttar Pradesh	7.03	4.91	7.88	5.54	4.60	7.58	6.90	6.77	6.62	5.89	6.04
Haryana	4.16	3.98	6.10	4.48	4.03	6.42	6.95	6.40	6.21	5.33	5.37
Odisha	1.34	8.38	0.50	6.93	7.83	1.86	2.22	3.73	3.93	4.89	4.74
Rajasthan	4.53	3.69	6.65	3.79	3.90	3.80	3.68	4.06	4.06	4.06	4.05
Andhra Pradesh	6.24	5.93	1.68	5.61	5.11	3.91	3.74	4.55	4.44	3.92	3.68
Telangana	5.17	2.88	5.28	3.06	2.49	4.86	3.85	2.58	2.73	3.49	3.58
West Bengal	4.09	3.50	3.75	3.62	3.72	4.15	3.58	3.91	3.81	3.35	3.35
Madhya Pradesh	2.19	5.09	1.94	4.37	5.52	2.44	2.40	2.85	2.92	3.25	3.04
Punjab	5.45	2.79	3.65	3.03	2.27	4.42	3.02	3.22	3.12	2.66	2.74
Uttarakhand	1.25	1.52	2.39	1.57	1.64	2.41	2.04	1.81	1.94	2.57	2.72
Jharkhand	1.19	2.47	-0.14	2.14	2.56	1.23	1.82	1.61	1.75	2.42	2.50
Chattisgarh	1.91	2.79	0.28	2.42	3.08	1.41	1.61	2.17	2.14	1.97	1.95
Himachal Pradesh	0.96	1.23	1.69	1.15	1.13	1.26	1.41	1.17	1.27	1.76	1.85
Dadra & N Haveli & Daman & Diu	1.01	0.96	3.86	1.12	1.15	1.60	1.36	1.95	1.88	1.54	1.62
Kerala	3.48	1.47	1.36	1.50	0.96	1.81	1.70	1.73	1.66	1.32	1.31
Assam	2.35	1.06	1.02	0.97	0.80	1.36	0.71	0.88	0.93	1.16	1.18
Goa	0.34	0.35	0.92	0.41	0.42	0.50	0.71	0.44	0.50	0.77	0.81
Bihar	1.36	0.54	0.44	0.53	0.37	0.76	0.40	0.82	0.78	0.62	0.65
Sikkim	0.04	0.14	0.38	0.15	0.07	0.13	0.17	0.13	0.20	0.51	0.55
Jammu and Kashmir	0.42	0.15	0.52	0.18	0.13	0.36	0.28	0.25	0.26	0.34	0.37
Puducherry	0.33	0.16	0.23	0.18	0.18	0.31	0.29	0.29	0.30	0.33	0.35
Delhi	1.06	0.16	0.60	0.23	0.08	0.54	0.57	0.38	0.37	0.30	0.32
Meghalaya	0.09	0.09	0.10	0.08	0.11	0.07	0.08	0.07	0.08	0.09	0.08
Chandigarh	0.10	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	0.02	0.02
Arunachal Pradesh	0.09	0.22	0.00	0.15	0.22	0.03	0.02	0.01	0.01	0.01	-0.01
Manipur	0.11	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	0.00	0.00	0.01
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
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 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	18981	43144138	19634238	70034333	46769072	2071727	9350691	129992842	161284224	31291383	27242241	16.05
Gujarat	21975	63968222	18260252	94277616	69377198	2112197	7097385	175962608	204685591	28722983	24271536	14.74
Tamil Nadu	29762	27682653	16431486	46345460	27895416	2561404	7088057	94273027	112894081	18621054	15428798	9.55
Karnataka	10020	21913963	10821454	33788274	21861204	1034684	4057690	58151068	72957466	14806398	12754219	7.60
Uttar Pradesh	12618	15840403	9757451	28092062	14731677	1252621	3730469	64151480	75436644	11285164	9956373	5.79
Haryana	8069	13986367	8102554	23762310	14795723	1080380	3790518	61910252	72595497	10685245	9222001	5.48
Odisha	2564	29547971	735090	36647569	27764171	310652	1210852	36118360	45812274	9693915	8062716	4.97
Rajasthan	8636	10897819	8174603	18054770	12137767	625627	2000763	38707375	46644436	7937060	6823994	4.07
Andhra Pradesh	11382	19425998	4115771	28311785	16972983	637117	2022252	43887601	51662940	7775339	6354952	3.99
West Bengal	7681	12060734	5085097	18978548	13038844	691789	1946450	38042008	44610354	6568346	5651225	3.37
Telangana	9232	8646358	6165303	14372165	7547423	792925	2046323	23314690	29837151	6522461	5740057	3.35
Punjab	10410	9908137	4854454	16206111	8208973	744855	1658174	31218681	36523074	5304394	4681552	2.72
Uttarakhand	2442	4299961	3265644	7310754	4868965	410236	1103688	17668330	22589333	4921003	4480031	2.52
Madhya Pradesh	3935	9604821	2971754	14471574	10171513	388329	1221001	25263829	30161551	4897722	4126164	2.51
Jharkhand	2217	8761129	-441945	11353791	9152704	202602	999755	15481862	20344382	4862519	4291605	2.49
Chattisgarh	3620	8928648	249219	11858880	10038193	230940	871476	20829639	24645716	3816077	3242804	1.96
Dadra & N Haveli & Daman & Diu	2035	3582156	5226717	6233540	4403225	276094	761179	19261213	22417127	3155914	2826712	1.62
Himachal Pradesh	1785	2696719	2323419	4440806	2678603	209500	766430	11473547	14592756	3119208	2839902	1.60
Kerala	6151	4996152	1894428	7773229	3128826	285644	888405	16357582	18918896	2561313	2174333	1.31
Assam	4566	3858978	1329855	5269304	3038066	230253	389751	8631321	10974487	2343166	2021848	1.20
Goa	634	1287174	1215305	2265473	1567213	83406	392355	4288722	5837324	1548602	1394358	0.79
Bihar	2497	1895559	547635	2808287	1337790	124480	213922	8002076	9229528	1227453	1101224	0.63
Sikkim	82	506203	513017	805460	280858	22393	92587	1304275	2344227	1039953	963911	0.53
Jammu and Kashmir	823	464046	694300	925912	458340	59385	147153	2413850	3097045	683195	637856	0.35
Puducherry	637	590919	286565	1002169	692245	51887	157994	2867415	3539749	672334	613054	0.34
Delhi	1888	466115	786823	1105251	223189	77452	269374	2923829	3449405	525576	478129	0.27
Meghalaya	163	322069	132887	440599	408944	12244	41656	703155	879407	176252	136475	0.09
Chandigarh	166	78433	101087	132197	50055	7253	29295	221893	280435	58542	51158	0.03
Tripura	631	43515	10100	76987	10433	23176	14933	152721	189795	37074	30581	0.02
Arunachal Pradesh	186	49464	23588	67577	15250	4155	7700	84408	110022	25614	19776	0.01
Manipur	209	17958	5392	27426	4863	6765	6005	50223	61797	11574	9216	0.01
Nagaland	165	15526	5527	21298	10385	4992	3507	29530	38804	9274	8368	0.00
Mizoram	188	5152	2860	6521	2181	1222	874	5053	7524	2471	1865	0.00
A&N Islands	9	1343	175	2209	1484	128	332	2197	2693	495	345	0.00
Ladakh	1	5478	737	6216	0	36	125	3427	2993	-434	-757	0.00
<b>All India</b>	<b>186361</b>	<b>329500280</b>	<b>133282844</b>	<b>507276463</b>	<b>333643776</b>	<b>16628548</b>	<b>54379119</b>	<b>953750089</b>	<b>1148658728</b>	<b>194908639</b>	<b>167638620</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	10.19	13.09	14.73	13.81	14.02	12.46	17.20	13.63	14.04	16.05	16.25
Gujarat	11.79	19.41	13.70	18.59	20.79	12.70	13.05	18.45	17.82	14.74	14.48
Tamil Nadu	15.97	8.40	12.33	9.14	8.36	15.40	13.03	9.88	9.83	9.55	9.20
Karnataka	5.38	6.65	8.12	6.66	6.55	6.22	7.46	6.10	6.35	7.60	7.61
Uttar Pradesh	6.77	4.81	7.32	5.54	4.42	7.53	6.86	6.73	6.57	5.79	5.94
Haryana	4.33	4.24	6.08	4.68	4.43	6.50	6.97	6.49	6.32	5.48	5.50
Odisha	1.38	8.97	0.55	7.22	8.32	1.87	2.23	3.79	3.99	4.97	4.81
Rajasthan	4.63	3.31	6.13	3.56	3.64	3.76	3.68	4.06	4.06	4.07	4.07
Andhra Pradesh	6.11	5.90	3.09	5.58	5.09	3.83	3.72	4.60	4.50	3.99	3.79
West Bengal	4.12	3.66	3.82	3.74	3.91	4.16	3.58	3.99	3.88	3.37	3.37
Telangana	4.95	2.62	4.63	2.83	2.26	4.77	3.76	2.44	2.60	3.35	3.42
Punjab	5.59	3.01	3.64	3.19	2.46	4.48	3.05	3.27	3.18	2.72	2.79
Uttarakhand	1.31	1.30	2.45	1.44	1.46	2.47	2.03	1.85	1.97	2.52	2.67
Madhya Pradesh	2.11	2.91	2.23	2.85	3.05	2.34	2.25	2.65	2.63	2.51	2.46
Jharkhand	1.19	2.66	-0.33	2.24	2.74	1.22	1.84	1.62	1.77	2.49	2.56
Chattisgarh	1.94	2.71	0.19	2.34	3.01	1.39	1.60	2.18	2.15	1.96	1.93
Dadra & N Haveli & Daman & Diu	1.09	1.09	3.92	1.23	1.32	1.66	1.40	2.02	1.95	1.62	1.69
Himachal Pradesh	0.96	0.82	1.74	0.88	0.80	1.26	1.41	1.20	1.27	1.60	1.69
Kerala	3.30	1.52	1.42	1.53	0.94	1.72	1.63	1.72	1.65	1.31	1.30
Assam	2.45	1.17	1.00	1.04	0.91	1.38	0.72	0.90	0.96	1.20	1.21
Goa	0.34	0.39	0.91	0.45	0.47	0.50	0.72	0.45	0.51	0.79	0.83
Bihar	1.34	0.58	0.41	0.55	0.40	0.75	0.39	0.84	0.80	0.63	0.66
Sikkim	0.04	0.15	0.38	0.16	0.08	0.13	0.17	0.14	0.20	0.53	0.57
Jammu and Kashmir	0.44	0.14	0.52	0.18	0.14	0.36	0.27	0.25	0.27	0.35	0.38
Puducherry	0.34	0.18	0.22	0.20	0.21	0.31	0.29	0.30	0.31	0.34	0.37
Delhi	1.01	0.14	0.59	0.22	0.07	0.47	0.50	0.31	0.30	0.27	0.29
Meghalaya	0.09	0.10	0.10	0.09	0.12	0.07	0.08	0.07	0.08	0.09	0.08
Chandigarh	0.09	0.02	0.08	0.03	0.02	0.04	0.05	0.02	0.02	0.03	0.03
Tripura	0.34	0.01	0.01	0.02	0.00	0.14	0.03	0.02	0.02	0.02	0.02
Arunachal Pradesh	0.10	0.02	0.02	0.01	0.00	0.02	0.01	0.01	0.01	0.01	0.01
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	0.00	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 Enaaed (₹)	Net Value Added per Person Engaged (₹)	Wages per Worker (₹)
A&N Islands	124	15	11	255	41	1664824	365327	268342	200671
Andhra Pradesh	1768	54	44	4233	515	7869301	1192267	957681	221380
Arunachal Pradesh	4249	23	17	597	-121	2552464	588223	-518061	152079
Assam	833	50	41	2349	435	4738063	1017326	877486	106231
Bihar	732	48	40	3420	414	7174886	971545	868559	117923
Chandigarh	463	46	30	1676	275	3668410	699181	601520	238880
Chattisgarh	2712	63	52	6647	890	10484473	1659679	1404545	246478
Dadra & N Haveli & Daman & Diu	1760	136	103	11016	1389	8119382	1143058	1023822	175910
Delhi	282	44	30	2050	263	4657677	662340	597565	209791
Goa	1926	126	91	8702	2065	6896808	1818649	1636460	249440
Gujarat	2942	93	71	9206	1079	9933324	1388654	1163743	192778
Haryana	1779	133	106	8881	1124	6701994	986540	848373	183916
Himachal Pradesh	2389	112	80	7880	1682	7010898	1669343	1496575	202411
Jammu and Kashmir	641	74	58	3687	756	4986556	1105873	1022596	145177
Jharkhand	3870	89	73	8778	1836	9852910	2342316	2060882	302486
Karnataka	2207	96	74	6695	1178	6991579	1437039	1230382	231493
Kerala	785	45	35	2844	329	6374076	871080	736384	214850
Ladakh	5478	36	33	2993	-757	8313889	-1205556	-2102778	193939
Madhya Pradesh	4324	96	73	7930	1209	8294856	1584471	1264602	188648
Maharashtra	2219	105	76	8180	1369	7793596	1500701	1303942	244391
Manipur	86	32	26	292	45	904870	173793	139202	82496
Meghalaya	1967	73	61	5223	803	7128892	1421592	1095786	183308
Mizoram	26	7	5	38	10	576815	195333	148444	79926
Nagaland	92	28	24	288	49	1011707	189377	170862	60343
Odisha	11595	119	100	17414	3075	14620394	3121603	2581840	271765
Puducherry	896	80	63	5403	931	6753198	1275611	1163477	218945
Punjab	952	70	57	3409	438	4894398	715075	629081	153113
Rajasthan	1513	72	57	5324	780	7405194	1271763	1084861	194751
Sikkim	6035	268	221	27971	11483	10445814	4626302	4288156	247400
Tamil Nadu	973	83	69	3671	508	4419619	739997	611581	173613
Telangana	1034	81	68	3146	603	3896222	854007	746839	162386
Tripura	70	36	30	308	48	866106	163650	134847	54034
Uttar Pradesh	1298	93	74	5594	749	6042911	924196	809277	164035
Uttarakhand	2255	166	134	9216	1895	5565379	1267526	1144608	171974
West Bengal	1591	87	69	5543	713	6372734	961657	819780	187360
<b>All India</b>	<b>1858</b>	<b>86</b>	<b>68</b>	<b>5946</b>	<b>872</b>	<b>6928207</b>	<b>1189619</b>	<b>1015561</b>	<b>194387</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	149	14	11	299	38	2103906	386719	269531	197000
Andhra Pradesh	1707	56	46	4539	558	8108862	1220394	997454	224303
Arunachal Pradesh	266	22	16	592	106	2647942	616462	475957	91965
Assam	845	50	42	2404	443	4766273	1017648	878098	105846
Bihar	759	50	43	3696	441	7414467	986064	884659	117867
Chandigarh	472	44	30	1689	308	3866469	807142	705336	246865
Chattisgarh	2466	64	52	6808	896	10671913	1652411	1404176	249766
Dadra & N Haveli & Daman & Diu	1760	136	103	11016	1389	8119382	1143058	1023822	175910
Delhi	247	41	28	1827	253	4453604	678583	617323	206553
Goa	2030	132	95	9207	2199	6998686	1856703	1671772	251516
Gujarat	2911	96	74	9314	1105	9690649	1359863	1149113	193178
Haryana	1733	134	108	8997	1143	6719441	989027	853589	184195
Himachal Pradesh	1511	117	83	8175	1591	6965516	1488882	1355562	201624
Jammu and Kashmir	564	72	57	3763	775	5215197	1150450	1074103	143785
Jharkhand	3952	91	76	9177	1936	10041550	2400035	2118244	308135
Karnataka	2187	103	81	7281	1273	7051183	1431007	1232668	232245
Kerala	812	46	37	3076	353	6623243	896680	761204	215915
Ladakh	5478	36	33	2993	-757	8313889	-1205556	-2102778	193939
Madhya Pradesh	2441	99	76	7665	1049	7767010	1261230	1062543	183491
Maharashtra	2273	109	79	8497	1435	7785013	1510401	1314953	246220
Manipur	86	32	26	296	44	913481	171086	136231	81377
Meghalaya	1976	75	62	5395	837	7182351	1439497	1114628	184782
Mizoram	27	7	5	40	10	615712	202209	152619	80785
Nagaland	94	30	26	235	51	777324	185777	167628	58437
Odisha	11524	121	103	17868	3145	14747136	3120506	2595417	273650
Puducherry	928	81	64	5557	962	6822034	1295766	1181518	220310
Punjab	952	72	58	3508	450	4903380	712138	628519	153087
Rajasthan	1262	72	58	5401	790	7455630	1268657	1090745	196207
Sikkim	6173	273	225	28588	11755	10468571	4644099	4304519	247598
Tamil Nadu	930	86	71	3793	518	4407508	726986	602357	172883
Telangana	937	86	73	3232	622	3762922	822582	723909	162304
Tripura	69	37	31	301	48	818929	159967	131951	52013
Uttar Pradesh	1255	99	80	5978	789	6022304	900924	794843	164431
Uttarakhand	1761	168	137	9250	1835	5506424	1199554	1092062	169301
West Bengal	1570	90	72	5808	736	6448549	949472	816900	187491
<b>All India</b>	<b>1768</b>	<b>89</b>	<b>71</b>	<b>6164</b>	<b>900</b>	<b>6907751</b>	<b>1172133</b>	<b>1008137</b>	<b>194621</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 92.91% of the operating factories covered in ASI 2021-22 are engaged in selected manufacturing activities, 0.67% 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 10.33% of the total fixed capital as against 1.25% share by the 'other' activities. The selected manufacturing activities account for about 88.42% of the fixed capital. The selected manufacturing sector, consistent with its large number of factories, accounts for 96.31% of the value of total output, which is produced by 96.59% of the total persons engaged. The electricity, gas, water sector contributes about 1.81% to the total output and is produced by 0.54% of the total persons engaged. The corresponding share of the 'other' activities in the value of total output is 1.88% which is produced by 2.87% of the total persons engaged. Of the estimated total net value added by registered manufacturing sector of ₹ 17,48,32,466 Lakhs, ₹ 16,76,38,620 Lakhs (95.89%) originate from selected manufacturing activities, ₹ 46,65,178 Lakhs (2.67%) from electricity, gas, water supply, and the remaining ₹ 25,28,668 Lakhs (1.45%) 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	186361	1343	12872	200576
Fixed Capital	₹ Lakhs	329500280	38494113	4641051	372635444
Productive Capital	₹ Lakhs	462783124	37586889	7574080	507944093
Invested Capital	₹ Lakhs	507276463	39677392	7539319	554493175
Workers	Number	13188135	72359	349436	13609931
Total Persons Engaged	Number	16628548	93511	493291	17215350
Wages to Workers	₹ Lakhs	25666848	202412	586670	26455930
Total Emoluments	₹ Lakhs	54379119	485000	1218683	56082801
Total Input	₹ Lakhs	953750089	14694982	19472924	987917996
Total Output	₹ Lakhs	1148658728	21645839	22410580	1192715147
GVA	₹ Lakhs	194908639	6950857	2937655	204797151
Depreciation	₹ Lakhs	27270019	2285678	408988	29964685
NVA	₹ Lakhs	167638620	4665178	2528668	174832466
Rent Paid for Fixed Assets	₹ Lakhs	460827	14710	30675	506211
Interest Paid	₹ Lakhs	13815930	2173956	342353	16332239
Net Income	₹ Lakhs	153361863	2476513	2155639	157994016
Net Profit	₹ Lakhs	92361555	1884379	825434	95071368

**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	92.91	0.67	6.42	100.00
Fixed Capital	88.42	10.33	1.25	100.00
Productive Capital	91.11	7.40	1.49	100.00
Invested Capital	91.48	7.16	1.36	100.00
Workers	96.90	0.53	2.57	100.00
Total Persons Engaged	96.59	0.54	2.87	100.00
Wages to Workers	97.02	0.77	2.22	100.00
Total Emoluments	96.96	0.86	2.17	100.00
Total Input	96.54	1.49	1.97	100.00
Total Output	96.31	1.81	1.88	100.00
GVA	95.17	3.39	1.43	100.00
Depreciation	91.01	7.63	1.36	100.00
NVA	95.89	2.67	1.45	100.00
Rent Paid for Fixed Assets	91.03	2.91	6.06	100.00
Interest Paid	84.59	13.31	2.10	100.00
Income	97.07	1.57	1.36	100.00
Profit	97.15	1.98	0.87	100.00

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

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

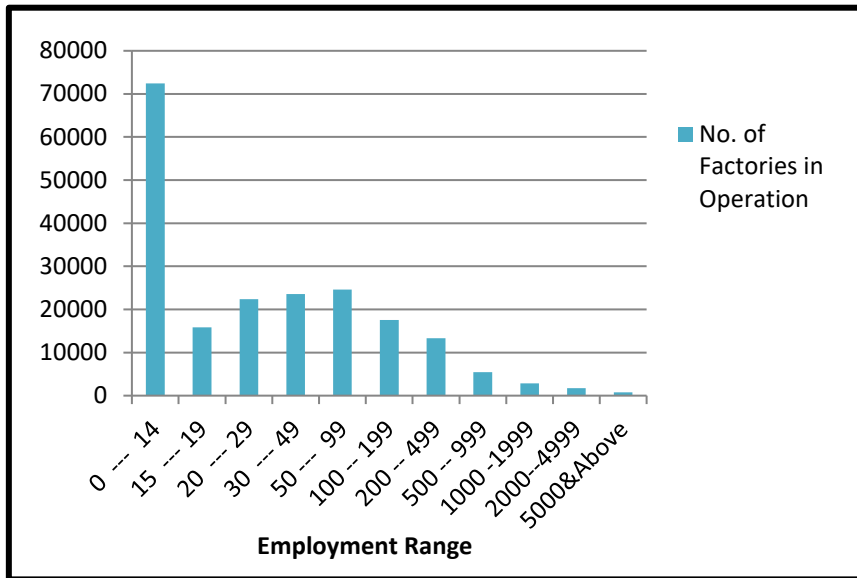
**7.1.1** Statements 11A and 11B respectively present the distribution of factories in operation belonging to the whole factory sector, in absolute and percentage terms, by size class of employment and also some selected characteristics associated with them. Statements 11A and 11B indicate a skewed distribution 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 2,00,576 factories in operation, 1,34,280 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 (66.95%), it utilizes only 8.97% of the fixed capital, provides employment to 12.59% of the total persons engaged, produces 10.47% of the total output and generates 6.35% to the net value added. On the other hand, the operating factories, each employing at least 200 employees, constitute 12.04% of the operating factories, utilize 79.65% of the total fixed capital, provide gainful employment to 65.23% of the total persons engaged, produce 72.38% of the total output and generate 80.12% of net value added by manufacture. The very large operating factories, employing 5,000 or more employees each, constitute only 0.38% of the operating factories, however, engage 9.53% of total persons engaged, utilize 21.86% of the fixed capital, produce 16.47% of total output and contribute 19.07% 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.

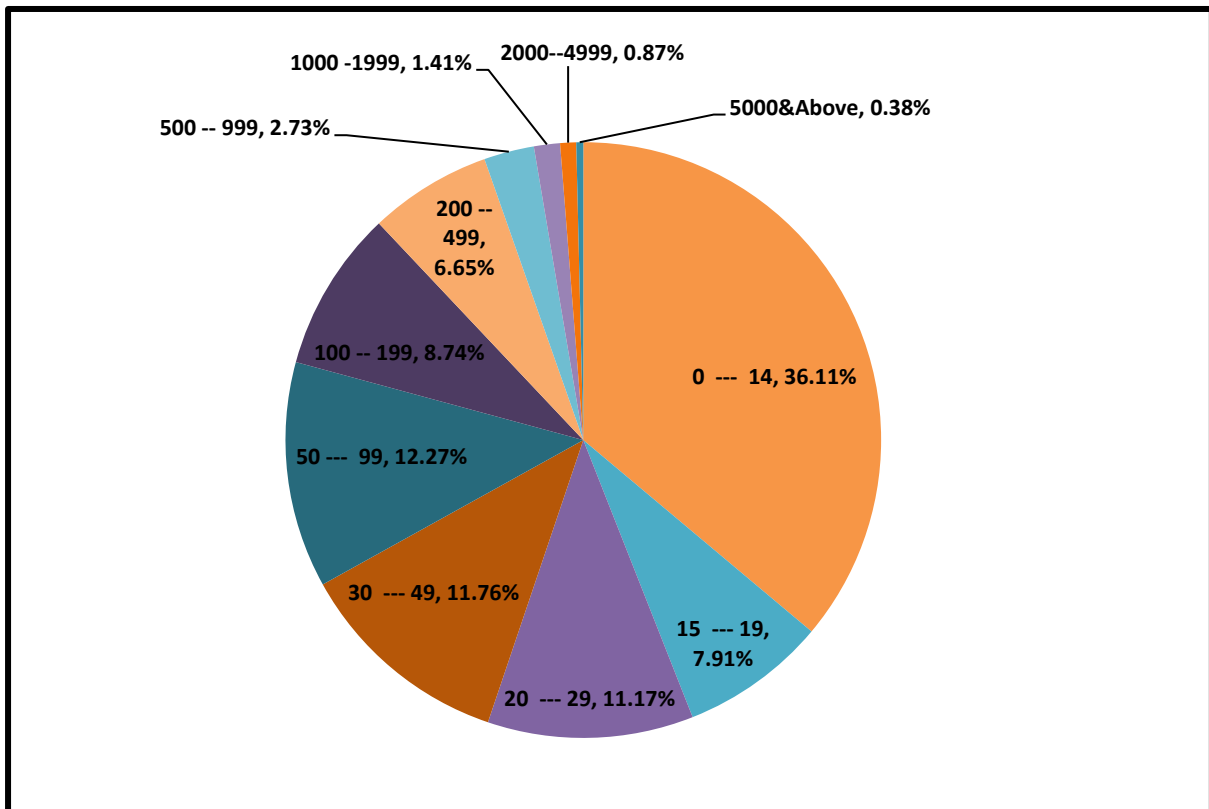
**7.1.3** Statement 13A and 13B give the distribution of operating factories by size of employment for each State/UT in absolute and percentage terms respectively for the whole factory sector. Statement 14A and 14B give the distribution of operating factories by size of employment for each State/UT in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

<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	72421	11475304	3688115	15163419	16604050	319288	483745	397018
15 --- 19	15868	4319873	3166774	7486647	6998238	191446	266126	263575
20 --- 29	22403	6997612	4961127	11958738	11750365	389818	530266	572550
30 --- 49	23588	10616324	6712337	17328661	17606807	671195	886326	1006531
50 --- 99	24613	17757402	13089768	30847169	30052605	1277962	1636422	1902932
100 -- 199	17539	24724864	15853915	40578779	41645257	1732486	2184248	2877326
200 -- 499	13346	49250017	27770181	77020198	79848173	2619082	3303366	4923910
500 -- 999	5467	48723840	21461915	70185755	75628462	1972067	2471288	4056788
1000 -1999	2836	51560226	19004023	70564250	74626161	1642112	2050218	3612424
2000--4999	1737	65760546	12613360	78373905	93182661	1418133	1762679	3305087
5000&Above	759	81449437	6987135	88436571	106550394	1376342	1640666	3537790
<b>Total</b>	<b>200576</b>	<b>372635444</b>	<b>135308648</b>	<b>507944093</b>	<b>554493175</b>	<b>13609931</b>	<b>17215350</b>	<b>26455930</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	768609	24070680	26825167	2754487	856915	1897572	11633	681555
15 --- 19	545836	14343889	16087537	1743648	372111	1371537	7992	401407
20 --- 29	1190015	28519345	31966201	3446856	600334	2846522	15130	562527
30 --- 49	2117954	44065515	49951676	5886160	907161	4979000	25502	790308
50 --- 99	3960190	72595056	83294739	10699683	1619893	9079789	44090	1281145
100 -- 199	5982442	104334446	121369164	17034718	2450835	14583882	42731	1509392
200 -- 499	10435738	161257688	194326443	33068756	4392931	28675825	58999	2642249
500 -- 999	8753531	123252592	154648597	31396005	4194629	27201376	57131	2374508
1000 -1999	7868918	114347169	144763026	30415857	4164714	26251143	55490	1983186
2000--4999	7179676	143517957	173016176	29498219	4895434	24602785	31702	1906183
5000&Above	7279893	157613658	196466421	38852763	5509729	33343034	155811	2199779
<b>Total</b>	<b>56082801</b>	<b>987917996</b>	<b>1192715147</b>	<b>204797151</b>	<b>29964685</b>	<b>174832466</b>	<b>506211</b>	<b>16332239</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	36.11	3.08	2.73	2.99	2.99	2.35	2.81	1.50
15 --- 19	7.91	1.16	2.34	1.47	1.26	1.41	1.55	1.00
20 --- 29	11.17	1.88	3.67	2.35	2.12	2.86	3.08	2.16
30 --- 49	11.76	2.85	4.96	3.41	3.18	4.93	5.15	3.80
50 --- 99	12.27	4.77	9.67	6.07	5.42	9.39	9.51	7.19
100 -- 199	8.74	6.64	11.72	7.99	7.51	12.73	12.69	10.88
200 -- 499	6.65	13.22	20.52	15.16	14.40	19.24	19.19	18.61
500 -- 999	2.73	13.08	15.86	13.82	13.64	14.49	14.36	15.33
1000 -1999	1.41	13.84	14.04	13.89	13.46	12.07	11.91	13.65
2000--4999	0.87	17.65	9.32	15.43	16.81	10.42	10.24	12.49
5000&Above	0.38	21.86	5.16	17.41	19.22	10.11	9.53	13.37
<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	1.37	2.44	2.25	1.34	2.86	1.09	2.30	4.17
15 --- 19	0.97	1.45	1.35	0.85	1.24	0.78	1.58	2.46
20 --- 29	2.12	2.89	2.68	1.68	2.00	1.63	2.99	3.44
30 --- 49	3.78	4.46	4.19	2.87	3.03	2.85	5.04	4.84
50 --- 99	7.06	7.35	6.98	5.22	5.41	5.19	8.71	7.84
100 -- 199	10.67	10.56	10.18	8.32	8.18	8.34	8.44	9.24
200 -- 499	18.61	16.32	16.29	16.15	14.66	16.40	11.66	16.18
500 -- 999	15.61	12.48	12.97	15.33	14.00	15.56	11.29	14.54
1000 -1999	14.03	11.57	12.14	14.85	13.90	15.02	10.96	12.14
2000--4999	12.80	14.53	14.51	14.40	16.34	14.07	6.26	11.67
5000&Above	12.98	15.95	16.47	18.97	18.39	19.07	30.78	13.47
<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	66988	6711751	4708751	11420502	11395885	294570	444526	363419
15 --- 19	14492	2384356	2953321	5337677	4849616	175862	243199	240376
20 --- 29	20734	5103721	4661197	9764918	9513507	362059	490774	530586
30 --- 49	21772	8340102	6419795	14759897	14947319	624547	820338	932694
50 --- 99	22798	14169915	12611555	26781471	25939088	1198084	1523764	1774775
100 -- 199	16577	21328401	15560936	36889337	37726413	1659422	2083181	2735424
200 -- 499	12690	44376117	27018452	71394569	74332354	2551817	3209688	4781157
500 -- 999	5197	41672706	21340011	63012717	68251068	1931655	2419019	3959542
1000 -1999	2637	43214061	17891333	61105393	65906948	1611578	2009888	3541843
2000--4999	1718	60749713	13130358	73880071	87863873	1402201	1743504	3269241
5000&Above	759	81449437	6987135	88436571	106550394	1376342	1640666	3537790
<b>Total</b>	<b>186361</b>	<b>329500280</b>	<b>133282844</b>	<b>462783124</b>	<b>507276463</b>	<b>13188135</b>	<b>16628548</b>	<b>25666848</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	696176	21305936	23445558	2139621	571987	1567634	10093	415532
15 --- 19	495500	12959091	14328551	1369460	275363	1094097	5790	224613
20 --- 29	1103189	26160918	29181069	3020152	496898	2523254	9551	433712
30 --- 49	1961466	41123985	46427938	5303953	781387	4522566	22809	663124
50 --- 99	3704943	68327093	78111152	9784059	1417844	8366215	35430	1002195
100 -- 199	5686076	99237903	115207015	15969112	2109182	13859931	37534	1336134
200 -- 499	10098533	153927689	185325010	31397321	4059503	27337818	51650	2385883
500 -- 999	8540637	120748284	150648527	29900243	3794232	26106011	51698	1887145
1000 -1999	7699395	109898238	138303026	28404788	3709255	24695533	48785	1581993
2000--4999	7113310	142447294	171214460	28767167	4544639	24222528	31675	1685819
5000&Above	7279893	157613658	196466421	38852763	5509729	33343034	155811	2199779
<b>Total</b>	<b>54379119</b>	<b>953750089</b>	<b>1148658728</b>	<b>194908639</b>	<b>27270019</b>	<b>167638620</b>	<b>460827</b>	<b>13815930</b>



<b>Statement 12B : Principal Characteristics by Size of Employment (Only for Selected Manufacturing Sector)</b>								
<b>(Percentage Distribution)</b>								
<b>Employment Range</b>	<b>Factories in Operation</b>	<b>Fixed Capital</b>	<b>Working Capital</b>	<b>Productive Capital</b>	<b>Invested Capital</b>	<b>Workers</b>	<b>Total Persons Engaged</b>	<b>Wages to Workers</b>
0 --- 14	35.95	2.04	3.53	2.47	2.25	2.23	2.67	1.42
15 --- 19	7.78	0.72	2.22	1.15	0.96	1.33	1.46	0.94
20 --- 29	11.13	1.55	3.50	2.11	1.88	2.75	2.95	2.07
30 --- 49	11.68	2.53	4.82	3.19	2.95	4.74	4.93	3.63
50 --- 99	12.23	4.30	9.46	5.79	5.11	9.08	9.16	6.91
100 -- 199	8.90	6.47	11.68	7.97	7.44	12.58	12.53	10.66
200 -- 499	6.81	13.47	20.27	15.43	14.65	19.35	19.30	18.63
500 -- 999	2.79	12.65	16.01	13.62	13.45	14.65	14.55	15.43
1000 -1999	1.41	13.12	13.42	13.20	12.99	12.22	12.09	13.80
2000--4999	0.92	18.44	9.85	15.96	17.32	10.63	10.49	12.74
5000&Above	0.41	24.72	5.24	19.11	21.00	10.44	9.87	13.78
<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>Employment Range</b>	<b>Total Emoluments</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>
0 --- 14	1.28	2.23	2.04	1.10	2.10	0.94	2.19	3.01
15 --- 19	0.91	1.36	1.25	0.70	1.01	0.65	1.26	1.63
20 --- 29	2.03	2.74	2.54	1.55	1.82	1.51	2.07	3.14
30 --- 49	3.61	4.31	4.04	2.72	2.87	2.70	4.95	4.80
50 --- 99	6.81	7.16	6.80	5.02	5.20	4.99	7.69	7.25
100 -- 199	10.46	10.41	10.03	8.19	7.73	8.27	8.14	9.67
200 -- 499	18.57	16.14	16.13	16.11	14.89	16.31	11.21	17.27
500 -- 999	15.71	12.66	13.12	15.34	13.91	15.57	11.22	13.66
1000 -1999	14.16	11.52	12.04	14.57	13.60	14.73	10.59	11.45
2000--4999	13.08	14.94	14.91	14.76	16.67	14.45	6.87	12.20
5000&Above	13.39	16.53	17.10	19.93	20.20	19.89	33.81	15.92
<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	4	1	1	7	0	0	0	0	0	0	0	13	149	199
Andhra Pradesh	7771	1076	956	747	683	452	444	205	101	50	22	12507	550303	672708
Arunachal Pradesh	102	20	22	27	6	11	1	0	0	0	0	189	3247	4424
Assam	2093	259	349	512	913	417	160	11	6	1	1	4723	194795	234148
Bihar	1318	119	152	131	659	280	44	17	7	1	0	2729	110490	130081
Chandigarh	103	16	18	28	17	14	3	5	0	0	0	203	6124	9275
Chattisgarh	1879	442	436	279	350	160	143	43	24	20	60	3836	198792	243195
Dadra & N Haveli & Daman & Diu	429	134	206	246	230	319	250	113	54	24	30	2035	208974	276094
Delhi	917	147	279	220	244	146	132	29	9	1	0	2124	63362	93502
Goa	133	33	101	95	120	70	78	26	20	8	0	683	61839	86182
Gujarat	7991	1960	3050	2726	2913	1940	1539	632	362	188	34	23335	1655897	2162690
Haryana	1693	480	1022	1247	1395	1059	835	355	142	93	23	8344	888115	1105726
Himachal Pradesh	379	148	228	351	299	224	194	71	27	3	0	1924	153230	216241
Jammu and Kashmir	380	68	81	76	87	73	68	13	0	1	1	848	49133	62706
Jharkhand	1103	136	300	331	174	144	82	53	14	5	37	2379	174352	211954
Karnataka	3528	908	1176	1486	1389	890	924	410	283	176	107	11276	839642	1079730
Kerala	2892	664	921	837	648	427	310	109	105	57	1	6971	241677	311082
Ladakh	0	0	0	1	0	0	0	0	0	0	0	1	33	36
Madhya Pradesh	1627	373	463	566	494	342	314	94	76	31	8	4389	322247	419616
Maharashtra	5138	1421	2395	2789	2864	2495	1935	791	355	143	46	20372	1549289	2138304
Manipur	72	34	29	43	31	5	0	1	0	0	0	215	5616	6941
Meghalaya	81	19	16	18	17	8	7	3	3	0	0	172	10406	12602
Mizoram	195	5	3	2	1	0	0	0	0	0	0	206	1076	1350
Nagaland	113	12	16	12	30	4	0	1	0	0	0	188	4602	5347
Odisha	1351	271	257	192	230	138	116	62	37	19	20	2692	270399	320646
Puducherry	300	21	103	48	60	44	44	37	6	1	0	664	42048	53126
Punjab	3276	1149	1603	1874	1571	674	451	167	108	50	5	10928	618026	761070
Rajasthan	3369	701	1105	1288	969	744	601	168	77	60	7	9088	520197	653390
Sikkim	12	1	4	8	13	13	17	9	6	1	0	84	18580	22493
Tamil Nadu	11164	2272	2942	3391	3919	2984	2343	1179	567	571	275	31606	2173213	2625109
Telangana	5126	849	970	1013	933	610	471	187	112	56	41	10368	708219	837235
Tripura	371	23	27	28	147	61	12	0	0	0	0	669	19745	23821
Uttar Pradesh	4102	1080	1861	1915	1751	1750	1070	339	158	63	16	14105	1044690	1305711
Uttarakhand	474	196	246	193	439	393	341	138	60	18	8	2506	336436	414972
West Bengal	2935	829	1065	861	1018	647	418	201	118	96	17	8205	564987	713643
<b>All India</b>	<b>72421</b>	<b>15868</b>	<b>22403</b>	<b>23588</b>	<b>24613</b>	<b>17539</b>	<b>13346</b>	<b>5467</b>	<b>2836</b>	<b>1737</b>	<b>759</b>	<b>200576</b>	<b>13609931</b>	<b>17215350</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	30.77	7.69	7.69	53.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
Andhra Pradesh	62.13	8.60	7.64	5.97	5.46	3.61	3.55	1.64	0.81	0.40	0.18	100.00	4.04	3.91
Arunachal Pradesh	53.97	10.58	11.64	14.29	3.17	5.82	0.53	0.00	0.00	0.00	0.00	100.00	0.02	0.03
Assam	44.32	5.48	7.39	10.84	19.33	8.83	3.39	0.23	0.13	0.02	0.02	100.00	1.43	1.36
Bihar	48.30	4.36	5.57	4.80	24.15	10.26	1.61	0.62	0.26	0.04	0.00	100.00	0.81	0.76
Chandigarh	50.74	7.88	8.87	13.79	8.37	6.90	1.48	2.46	0.00	0.00	0.00	100.00	0.04	0.05
Chattisgarh	48.98	11.52	11.37	7.27	9.12	4.17	3.73	1.12	0.63	0.52	1.56	100.00	1.46	1.41
Dadra & N Haveli & Daman & Diu	21.08	6.58	10.12	12.09	11.30	15.68	12.29	5.55	2.65	1.18	1.47	100.00	1.54	1.60
Delhi	43.17	6.92	13.14	10.36	11.49	6.87	6.21	1.37	0.42	0.05	0.00	100.00	0.47	0.54
Goa	19.47	4.83	14.79	13.91	17.57	10.25	11.42	3.81	2.93	1.17	0.00	100.00	0.45	0.50
Gujarat	34.24	8.40	13.07	11.68	12.48	8.31	6.60	2.71	1.55	0.81	0.15	100.00	12.17	12.56
Haryana	20.29	5.75	12.25	14.94	16.72	12.69	10.01	4.25	1.70	1.11	0.28	100.00	6.53	6.42
Himachal Pradesh	19.70	7.69	11.85	18.24	15.54	11.64	10.08	3.69	1.40	0.16	0.00	100.00	1.13	1.26
Jammu and Kashmir	44.81	8.02	9.55	8.96	10.26	8.61	8.02	1.53	0.00	0.12	0.12	100.00	0.36	0.36
Jharkhand	46.36	5.72	12.61	13.91	7.31	6.05	3.45	2.23	0.59	0.21	1.56	100.00	1.28	1.23
Karnataka	31.29	8.05	10.43	13.18	12.32	7.89	8.19	3.64	2.51	1.56	0.95	100.00	6.17	6.27
Kerala	41.49	9.53	13.21	12.01	9.30	6.13	4.45	1.56	1.51	0.82	0.01	100.00	1.78	1.81
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	37.07	8.50	10.55	12.90	11.26	7.79	7.15	2.14	1.73	0.71	0.18	100.00	2.37	2.44
Maharashtra	25.22	6.98	11.76	13.69	14.06	12.25	9.50	3.88	1.74	0.70	0.23	100.00	11.38	12.42
Manipur	33.49	15.81	13.49	20.00	14.42	2.33	0.00	0.47	0.00	0.00	0.00	100.00	0.04	0.04
Meghalaya	47.09	11.05	9.30	10.47	9.88	4.65	4.07	1.74	1.74	0.00	0.00	100.00	0.08	0.07
Mizoram	94.66	2.43	1.46	0.97	0.49	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.01	0.01
Nagaland	60.11	6.38	8.51	6.38	15.96	2.13	0.00	0.53	0.00	0.00	0.00	100.00	0.03	0.03
Odisha	50.19	10.07	9.55	7.13	8.54	5.13	4.31	2.30	1.37	0.71	0.74	100.00	1.99	1.86
Puducherry	45.18	3.16	15.51	7.23	9.04	6.63	6.63	5.57	0.90	0.15	0.00	100.00	0.31	0.31
Punjab	29.98	10.51	14.67	17.15	14.38	6.17	4.13	1.53	0.99	0.46	0.05	100.00	4.54	4.42
Rajasthan	37.07	7.71	12.16	14.17	10.66	8.19	6.61	1.85	0.85	0.66	0.08	100.00	3.82	3.80
Sikkim	14.29	1.19	4.76	9.52	15.48	15.48	20.24	10.71	7.14	1.19	0.00	100.00	0.14	0.13
Tamil Nadu	35.32	7.19	9.31	10.73	12.40	9.44	7.41	3.73	1.79	1.81	0.87	100.00	15.97	15.25
Telangana	49.44	8.19	9.36	9.77	9.00	5.88	4.54	1.80	1.08	0.54	0.40	100.00	5.20	4.86
Tripura	55.46	3.44	4.04	4.19	21.97	9.12	1.79	0.00	0.00	0.00	0.00	100.00	0.15	0.14
Uttar Pradesh	29.08	7.66	13.19	13.58	12.41	12.41	7.59	2.40	1.12	0.45	0.11	100.00	7.68	7.58
Uttarakhand	18.91	7.82	9.82	7.70	17.52	15.68	13.61	5.51	2.39	0.72	0.32	100.00	2.47	2.41
West Bengal	35.77	10.10	12.98	10.49	12.41	7.89	5.09	2.45	1.44	1.17	0.21	100.00	4.15	4.15
<b>All India</b>	<b>36.11</b>	<b>7.91</b>	<b>11.17</b>	<b>11.76</b>	<b>12.27</b>	<b>8.74</b>	<b>6.65</b>	<b>2.73</b>	<b>1.41</b>	<b>0.87</b>	<b>0.38</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	3	1	1	4	0	0	0	0	0	0	0	9	100	128
Andhra Pradesh	7063	969	899	709	581	367	423	201	99	50	22	11382	522940	637117
Arunachal Pradesh	101	19	22	27	6	11	0	0	0	0	0	186	3049	4155
Assam	2005	246	333	506	886	411	160	11	6	1	1	4566	192060	230253
Bihar	1208	95	122	105	634	266	41	17	7	1	0	2497	106388	124480
Chandigarh	101	16	8	16	10	8	3	5	0	0	0	166	4976	7253
Chattisgarh	1796	413	420	247	331	134	133	42	23	20	60	3620	189454	230940
Dadra & N Haveli & Daman & Diu	429	134	206	246	230	319	250	113	54	24	30	2035	208974	276094
Delhi	847	136	275	186	204	124	92	21	4	1	0	1888	52788	77452
Goa	129	33	95	86	97	63	78	26	20	8	0	634	59968	83406
Gujarat	7375	1833	2913	2614	2764	1835	1507	623	291	187	34	21975	1620123	2112197
Haryana	1657	475	989	1183	1336	1020	803	349	141	93	23	8069	872773	1080380
Himachal Pradesh	338	127	198	326	288	218	192	71	25	3	0	1785	148424	209500
Jammu and Kashmir	375	68	76	76	85	69	62	11	0	1	1	823	46993	59385
Jharkhand	1066	123	280	310	131	125	80	46	14	5	37	2217	167740	202602
Karnataka	3159	758	1030	1342	1242	826	813	336	231	176	107	10020	807712	1034684
Kerala	2643	586	820	623	515	392	301	109	105	57	1	6151	225195	285644
Ladakh	0	0	0	1	0	0	0	0	0	0	0	1	33	36
Madhya Pradesh	1460	351	393	501	409	318	308	90	69	29	8	3935	299052	388329
Maharashtra	4603	1332	2236	2595	2715	2341	1842	784	343	143	46	18981	1501823	2071727
Manipur	71	32	29	40	31	5	0	1	0	0	0	209	5477	6765
Meghalaya	77	19	15	15	17	7	7	3	3	0	0	163	10139	12244
Mizoram	177	5	3	2	1	0	0	0	0	0	0	188	968	1222
Nagaland	95	10	16	11	28	4	0	1	0	0	0	165	4350	4992
Odisha	1297	254	254	185	221	123	104	55	33	19	20	2564	263571	310652
Puducherry	297	21	97	38	55	44	42	37	6	1	0	637	41030	51887
Punjab	3017	1100	1547	1815	1507	656	444	167	101	50	5	10410	606983	744855
Rajasthan	3269	657	1009	1229	880	716	583	151	76	59	7	8636	499653	625627
Sikkim	11	1	4	8	12	13	17	9	6	1	0	82	18488	22393
Tamil Nadu	10446	2077	2737	3188	3759	2863	2201	1080	566	570	275	29762	2122659	2561404
Telangana	4779	750	811	830	759	564	394	169	80	55	41	9232	674095	792925
Tripura	346	19	26	25	143	60	12	0	0	0	0	631	19324	23176
Uttar Pradesh	3508	921	1664	1690	1548	1664	1050	338	157	63	16	12618	1007303	1252621
Uttarakhand	457	194	231	191	422	387	339	135	60	18	8	2442	333624	410236
West Bengal	2784	717	977	802	951	625	409	198	118	83	17	7681	549907	691789
<b>All India</b>	<b>66988</b>	<b>14492</b>	<b>20734</b>	<b>21772</b>	<b>22798</b>	<b>16577</b>	<b>12690</b>	<b>5197</b>	<b>2637</b>	<b>1718</b>	<b>759</b>	<b>186361</b>	<b>13188135</b>	<b>16628548</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	33.33	11.11	11.11	44.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
Andhra Pradesh	62.05	8.51	7.90	6.23	5.10	3.22	3.72	1.77	0.87	0.44	0.19	100.00	3.97	3.83
Arunachal Pradesh	54.30	10.22	11.83	14.52	3.23	5.91	0.00	0.00	0.00	0.00	0.00	100.00	0.02	0.02
Assam	43.91	5.39	7.29	11.08	19.40	9.00	3.50	0.24	0.13	0.02	0.02	100.00	1.46	1.38
Bihar	48.38	3.80	4.89	4.21	25.39	10.65	1.64	0.68	0.28	0.04	0.00	100.00	0.81	0.75
Chandigarh	60.84	9.64	4.82	9.64	6.02	4.82	1.81	3.01	0.00	0.00	0.00	100.00	0.04	0.04
Chattisgarh	49.61	11.41	11.60	6.82	9.14	3.70	3.67	1.16	0.64	0.55	1.66	100.00	1.44	1.39
Dadra & N Haveli & Daman & Diu	21.08	6.58	10.12	12.09	11.30	15.68	12.29	5.55	2.65	1.18	1.47	100.00	1.58	1.66
Delhi	44.86	7.20	14.57	9.85	10.81	6.57	4.87	1.11	0.21	0.05	0.00	100.00	0.40	0.47
Goa	20.35	5.21	14.98	13.56	15.30	9.94	12.30	4.10	3.15	1.26	0.00	100.00	0.45	0.50
Gujarat	33.56	8.34	13.26	11.90	12.58	8.35	6.86	2.84	1.32	0.85	0.15	100.00	12.28	12.70
Haryana	20.54	5.89	12.26	14.66	16.56	12.64	9.95	4.33	1.75	1.15	0.29	100.00	6.62	6.50
Himachal Pradesh	18.94	7.11	11.09	18.26	16.13	12.21	10.76	3.98	1.40	0.17	0.00	100.00	1.13	1.26
Jammu and Kashmir	45.57	8.26	9.23	9.23	10.33	8.38	7.53	1.34	0.00	0.12	0.12	100.00	0.36	0.36
Jharkhand	48.08	5.55	12.63	13.98	5.91	5.64	3.61	2.07	0.63	0.23	1.67	100.00	1.27	1.22
Karnataka	31.53	7.56	10.28	13.39	12.40	8.24	8.11	3.35	2.31	1.76	1.07	100.00	6.12	6.22
Kerala	42.97	9.53	13.33	10.13	8.37	6.37	4.89	1.77	1.71	0.93	0.02	100.00	1.71	1.72
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	37.10	8.92	9.99	12.73	10.39	8.08	7.83	2.29	1.75	0.74	0.20	100.00	2.27	2.34
Maharashtra	24.25	7.02	11.78	13.67	14.30	12.33	9.70	4.13	1.81	0.75	0.24	100.00	11.39	12.46
Manipur	33.97	15.31	13.88	19.14	14.83	2.39	0.00	0.48	0.00	0.00	0.00	100.00	0.04	0.04
Meghalaya	47.24	11.66	9.20	9.20	10.43	4.29	4.29	1.84	1.84	0.00	0.00	100.00	0.08	0.07
Mizoram	94.15	2.66	1.60	1.06	0.53	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.01	0.01
Nagaland	57.58	6.06	9.70	6.67	16.97	2.42	0.00	0.61	0.00	0.00	0.00	100.00	0.03	0.03
Odisha	50.59	9.91	9.91	7.22	8.62	4.80	4.06	2.15	1.29	0.74	0.78	100.00	2.00	1.87
Puducherry	46.62	3.30	15.23	5.97	8.63	6.91	6.59	5.81	0.94	0.16	0.00	100.00	0.31	0.31
Punjab	28.98	10.57	14.86	17.44	14.48	6.30	4.27	1.60	0.97	0.48	0.05	100.00	4.60	4.48
Rajasthan	37.85	7.61	11.68	14.23	10.19	8.29	6.75	1.75	0.88	0.68	0.08	100.00	3.79	3.76
Sikkim	13.41	1.22	4.88	9.76	14.63	15.85	20.73	10.98	7.32	1.22	0.00	100.00	0.14	0.13
Tamil Nadu	35.10	6.98	9.20	10.71	12.63	9.62	7.40	3.63	1.90	1.92	0.92	100.00	16.10	15.40
Telangana	51.77	8.12	8.78	8.99	8.22	6.11	4.27	1.83	0.87	0.60	0.44	100.00	5.11	4.77
Tripura	54.83	3.01	4.12	3.96	22.66	9.51	1.90	0.00	0.00	0.00	0.00	100.00	0.15	0.14
Uttar Pradesh	27.80	7.30	13.19	13.39	12.27	13.19	8.32	2.68	1.24	0.50	0.13	100.00	7.64	7.53
Uttarakhand	18.71	7.94	9.46	7.82	17.28	15.85	13.88	5.53	2.46	0.74	0.33	100.00	2.53	2.47
West Bengal	36.25	9.33	12.72	10.44	12.38	8.14	5.32	2.58	1.54	1.08	0.22	100.00	4.17	4.16
<b>All India</b>	<b>35.95</b>	<b>7.78</b>	<b>11.13</b>	<b>11.68</b>	<b>12.23</b>	<b>8.90</b>	<b>6.81</b>	<b>2.79</b>	<b>1.41</b>	<b>0.92</b>	<b>0.41</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 81.34% of the total factories which have operated during 2021-22. While these factories share 9.34% of total fixed capital to work with, they provide gainful employment to 37.06% of the total persons engaged. Their contribution to the total output and net value added by manufacture are 19.09% and 15.69% respectively. As against this, the operational factories, with gross investment in plant and machinery of ₹ 10 Crores & above, are very few (13.68%) in number, account for 88.54% of total fixed capital, 56.82% of total persons engaged, 76.47% of the gross output and 80.45% 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	128394	25074211	50282821	47045575	3797175	4634226	5003789	8507377
25 -- 500	34762	9713954	22183688	22035945	1292682	1745974	2153312	4764290
500 -- 1000	9977	7902805	16489232	15540050	811728	1054041	1395743	3036369
1000 & above	27443	329944474	418988352	469871605	7708346	9781109	17903086	39774766
<b>Total</b>	<b>200576</b>	<b>372635444</b>	<b>507944093</b>	<b>554493175</b>	<b>13609931</b>	<b>17215350</b>	<b>26455930</b>	<b>56082801</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	131210028	151470610	20260582	2605590	17654992	58728	2129460
25 -- 500	65535380	76254436	10719056	937978	9781078	49291	1059006
500 -- 1000	45429302	52948302	7519000	767154	6751845	24585	646852
1000 & above	745743286	912041800	166298514	25653963	140644550	373608	12496921
<b>Total</b>	<b>987917996</b>	<b>1192715147</b>	<b>204797151</b>	<b>29964685</b>	<b>174832466</b>	<b>506211</b>	<b>16332239</b>

\* In terms of Gross Value of Plant and Machinery

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

<b>Capital 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 25	64.01	6.73	9.90	8.48	27.90	26.92	18.91	15.17
25 -- 500	17.33	2.61	4.37	3.97	9.50	10.14	8.14	8.50
500 -- 1000	4.97	2.12	3.25	2.80	5.96	6.12	5.28	5.41
1000 & above	13.68	88.54	82.49	84.74	56.64	56.82	67.67	70.92
<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>Capital 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 25	13.28	12.70	9.89	8.70	10.10	11.60	13.04
25 -- 500	6.63	6.39	5.23	3.13	5.59	9.74	6.48
500 -- 1000	4.60	4.44	3.67	2.56	3.86	4.86	3.96
1000 & above	75.49	76.47	81.20	85.61	80.45	73.80	76.52
<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 23.35% of the operating factories, that produce gross output up to one Crore, share 1.69% of fixed capital, provide employment to 2.77% of total persons engaged, pay emoluments to the extent of 0.77% of total emoluments, contribute 0.13% to the total output. Also, 41.02% of the operating factories, producing gross output of more than ₹ 10 Crores, consume 94.70% of fixed capital, provide 85.65% of total employment and pay 93.00% of total emoluments. This group of factories contributes 97.48% of total output and 97.17% 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	23435	4788159	2896621	5260748	50895	106110	41430	91836
25 --- 50	8239	553845	767957	775754	73960	94126	55626	81147
50 -- 100	15161	952026	1538161	1458334	226412	274971	182344	264934
100 -- 200	19624	1687348	2663174	2671123	366793	444892	362143	537275
200 -- 500	28618	4512332	7282976	7100101	562086	719495	729750	1241429
500 -- 1000	23224	7227032	9660425	10981344	642463	830506	926640	1705409
1000 -- 2000	22430	9358573	15872384	15248530	957829	1219701	1445503	2765691
2000 -- 5000	23955	20007882	30762436	32023863	1692110	2130206	2738188	5310892
5000 -- 10000	13692	19566876	32330963	33043363	1526423	1930786	2686630	5417684
10000 -- 50000	16672	68686147	105654187	111980418	3889323	4843607	7272172	15227500
50000 & above	5527	235295226	298514808	333949597	3621636	4620949	10015503	23439005
<b>Total</b>	<b>200576</b>	<b>372635444</b>	<b>507944093</b>	<b>554493175</b>	<b>13609931</b>	<b>17215350</b>	<b>26455930</b>	<b>56082801</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	160519	118804	-41715	334999	-376714	1999	73212
25 --- 50	210826	303487	92661	29027	63634	1373	17505
50 -- 100	748469	1122541	374072	86291	287781	4195	39691
100 -- 200	2020992	2827944	806952	147589	659363	6630	122163
200 -- 500	7200566	9300902	2100336	415190	1685146	12097	287397
500 -- 1000	13170878	16398346	3227468	590512	2636956	16272	532164
1000 -- 2000	25489120	31037427	5548307	890284	4658023	20844	775412
2000 -- 5000	58930891	70570746	11639855	1958314	9681541	39157	1425587
5000 -- 10000	71826363	84628286	12801923	1813633	10988290	28621	1404368
10000 -- 50000	226554489	270509513	43955025	6406467	37548558	100492	4061754
50000 & above	581604883	705897151	124292268	17292380	106999888	274533	7592986
<b>Total</b>	<b>987917996</b>	<b>1192715147</b>	<b>204797151</b>	<b>29964685</b>	<b>174832466</b>	<b>506211</b>	<b>16332239</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	11.68	1.28	0.57	0.95	0.37	0.62	0.16	0.16
25 --- 50	4.11	0.15	0.15	0.14	0.54	0.55	0.21	0.14
50 -- 100	7.56	0.26	0.30	0.26	1.66	1.60	0.69	0.47
100 -- 200	9.78	0.45	0.52	0.48	2.70	2.58	1.37	0.96
200 -- 500	14.27	1.21	1.43	1.28	4.13	4.18	2.76	2.21
500 -- 1000	11.58	1.94	1.90	1.98	4.72	4.82	3.50	3.04
1000 -- 2000	11.18	2.51	3.12	2.75	7.04	7.08	5.46	4.93
2000 -- 5000	11.94	5.37	6.06	5.78	12.43	12.37	10.35	9.47
5000 -- 10000	6.83	5.25	6.37	5.96	11.22	11.22	10.16	9.66
10000 -- 50000	8.31	18.43	20.80	20.20	28.58	28.14	27.49	27.15
50000 & above	2.76	63.14	58.77	60.23	26.61	26.84	37.86	41.79
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

<b>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	0.02	0.01	-0.02	1.12	-0.22	0.39	0.45
25 --- 50	0.02	0.03	0.05	0.10	0.04	0.27	0.11
50 -- 100	0.08	0.09	0.18	0.29	0.16	0.83	0.24
100 -- 200	0.20	0.24	0.39	0.49	0.38	1.31	0.75
200 -- 500	0.73	0.78	1.03	1.39	0.96	2.39	1.76
500 -- 1000	1.33	1.37	1.58	1.97	1.51	3.21	3.26
1000 -- 2000	2.58	2.60	2.71	2.97	2.66	4.12	4.75
2000 -- 5000	5.97	5.92	5.68	6.54	5.54	7.74	8.73
5000 -- 10000	7.27	7.10	6.25	6.05	6.29	5.65	8.60
10000 -- 50000	22.93	22.68	21.46	21.38	21.48	19.85	24.87
50000 & above	58.87	59.18	60.69	57.71	61.20	54.23	46.49
<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 12.38% of the operating factories, each with less than ₹ 2.5 Lakhs of net value added, share about 8.94% of total fixed capital, provide gainful employment to 3.93% of total persons engaged of the factory sector, disburse 3.84% of the emoluments. These units, consuming about 4.68% of total input, are found to produce 3.63% of total output. On the other hand, about 12.90% of the operating factories, each contributing at least ₹ 10 Crores of net value added, possess 78.91% of the total fixed capital. They have 60.57% of total persons engaged, taking away 73.36% of the total salary/wage bill in terms of emoluments and produce 76.89% of total output after consuming 74.54% 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	24831	33298776	26046062	42296178	489985	677230	943414	2153753
2.5 --- 5	3502	182556	206279	312188	15335	22289	15343	24519
5 ---- 10	8102	593878	844172	857577	39246	56166	35461	55148
10 ---- 20	14978	914659	1684046	1624552	117307	157532	112529	182354
20 ---- 50	32559	2594323	5255673	5111277	459629	586277	456732	728316
50 ----100	28313	4055765	8256575	8211975	645642	807932	752715	1256606
100----200	23554	7486763	12795063	13523006	766744	971862	1070256	1907827
200----500	25709	15041633	25227259	27078032	1476455	1860142	2245269	4230540
500----1000	13166	14404884	24031214	25513418	1304904	1647332	2203337	4403856
1000---5000	17587	51102519	82905517	85745303	3494779	4345729	6436340	13011001
5000& above	8274	242959688	320692232	344219669	4799905	6082857	12184536	28128882
<b>Total</b>	<b>200576</b>	<b>372635444</b>	<b>507944093</b>	<b>554493175</b>	<b>13609931</b>	<b>17215350</b>	<b>26455930</b>	<b>56082801</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	46218702	43242603	-2976099	2875971	-5852070	22598	1315641
2.5 --- 5	344825	375023	30198	17018	13180	312	12144
5 ---- 10	616210	733397	117186	56370	60816	604	16603
10 ---- 20	2378270	2678029	299758	78770	220989	1922	43918
20 ---- 50	10577915	11938420	1360505	258967	1101538	9150	197315
50 ----100	21464533	23877272	2412739	421457	1991282	10013	411119
100----200	34004712	37953437	3948725	663291	3285434	17004	613738
200----500	71739134	80893911	9154777	1447633	7707144	34673	1243679
500----1000	64157508	73944917	9787410	1378864	8408546	32128	1161880
1000---5000	186892760	221841306	34948546	4983150	29965396	86206	3170430
5000& above	549523427	695236832	145713405	17783194	127930211	291602	8145773
<b>Total</b>	<b>987917996</b>	<b>1192715147</b>	<b>204797151</b>	<b>29964685</b>	<b>174832466</b>	<b>506211</b>	<b>16332239</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	12.38	8.94	5.13	7.63	3.60	3.93	3.57	3.84
2.5 --- 5	1.75	0.05	0.04	0.06	0.11	0.13	0.06	0.04
5 ---- 10	4.04	0.16	0.17	0.15	0.29	0.33	0.13	0.10
10 ---- 20	7.47	0.25	0.33	0.29	0.86	0.92	0.43	0.33
20 ---- 50	16.23	0.70	1.03	0.92	3.38	3.41	1.73	1.30
50 ----100	14.12	1.09	1.63	1.48	4.74	4.69	2.85	2.24
100----200	11.74	2.01	2.52	2.44	5.63	5.65	4.05	3.40
200----500	12.82	4.04	4.97	4.88	10.85	10.81	8.49	7.54
500----1000	6.56	3.87	4.73	4.60	9.59	9.57	8.33	7.85
1000---5000	8.77	13.71	16.32	15.46	25.68	25.24	24.33	23.20
5000& above	4.13	65.20	63.14	62.08	35.27	35.33	46.06	50.16
<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>

<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	4.68	3.63	-1.45	9.60	-3.35	4.46	8.06
2.5 --- 5	0.03	0.03	0.01	0.06	0.01	0.06	0.07
5 ---- 10	0.06	0.06	0.06	0.19	0.03	0.12	0.10
10 ---- 20	0.24	0.22	0.15	0.26	0.13	0.38	0.27
20 ---- 50	1.07	1.00	0.66	0.86	0.63	1.81	1.21
50 ----100	2.17	2.00	1.18	1.41	1.14	1.98	2.52
100----200	3.44	3.18	1.93	2.21	1.88	3.36	3.76
200----500	7.26	6.78	4.47	4.83	4.41	6.85	7.61
500----1000	6.49	6.20	4.78	4.60	4.81	6.35	7.11
1000---5000	18.92	18.60	17.06	16.63	17.14	17.03	19.41
5000& above	55.62	58.29	71.15	59.35	73.17	57.60	49.88
<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 Basic Metals (NIC: 24), that contributes to the total output by maximum (15.95%), whereas this industry is contributing to the highest proportion in respect to the total output in the states like Arunachal Pradesh (33.92%), Chattisgarh (67.86%), Dadra & N Haveli & Daman & Diu (30.11%), Jharkhand (70.31%), Karnataka (16.99%), Maharashtra (12.96%), Odisha (66.00%), Rajasthan (15.38%) and West Bengal (28.14%).

**11.3** Food Products (NIC: 10), the second highest in ranking in proportionate share of total output, accounts for 12.89% of the total output at all India level, whereas this industry accounts for the highest value of total output in Five States namely, A&N Islands (60.10%), Andhra Pradesh (26.23%), Delhi (22.96%), Madhya Pradesh (18.75%) and Uttar Pradesh (20.89%).

**11.4** The third contributing (11.38%) 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 (38.94%), Bihar (43.93%), Gujarat (21.85%), Kerala (41.62%) and Punjab (17.08%).

**11.5** Chemicals and Chemical Products (NIC: 20) accounts for 9.21% 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 Jammu & Kashmir (31.11%) and Puducherry (24.07%).

**11.6** Motor Vehicles, Trailers and Semi-Trailers (NIC: 29) accounts for 7.27% of the total output at all India level and among the States/UTs, it has the highest share of total output in Haryana (24.65%), Tamil Nadu (17.46%) and Uttarakhand (15.47%).

**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	3313	100.00	727	100.00
		TOTAL OF BELOW INDUSTRIES	3313	100.00	727	100.00
		FOOD PRODUCTS	1991	60.10	253	34.80
		OTHER INDUSTRIES	1322	39.90	474	65.20
Andhra Pradesh	10	TOTAL	52937417	100.00	8020473	100.00
		TOTAL OF BELOW INDUSTRIES	43637307	82.44	6306810	78.64
	24	FOOD PRODUCTS	13884276	26.23	1149226	14.33
	19	BASIC METALS	6986218	13.20	1381720	17.23
	21	COKE AND REFINED PETROLEUM PRODUCTS	5200044	9.82	505307	6.30
	20	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	4317525	8.16	1236154	15.41
	29	CHEMICALS AND CHEMICAL PRODUCTS	3970052	7.50	727362	9.07
	23	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	3822451	7.22	360590	4.50
Arunachal Pradesh	24	OTHER NON-METALLIC MINERAL PRODUCTS	2854033	5.39	779875	9.72
		COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	2602708	4.92	166576	2.08
	10	TOTAL	112921	100.00	26023	100.00
		TOTAL OF BELOW INDUSTRIES	98679	87.39	21976	84.44
		11	BASIC METALS	38303	33.92	8906
10	BEVERAGES	34203	30.29	7440	28.59	
Assam	10	FOOD PRODUCTS	26173	23.18	5630	21.63
		TOTAL	11094079	100.00	2382048	100.00
	19	TOTAL OF BELOW INDUSTRIES	9076137	81.81	1756856	73.75
		COKE AND REFINED PETROLEUM PRODUCTS	4320333	38.94	725486	30.46
	20	FOOD PRODUCTS	1976770	17.82	317207	13.32
	22	CHEMICALS AND CHEMICAL PRODUCTS	1158120	10.44	491976	20.65
	24	RUBBER AND PLASTICS PRODUCTS	872972	7.87	171108	7.18
24	BASIC METALS	747942	6.74	51079	2.14	
Bihar	19	TOTAL	9333164	100.00	1263795	100.00
		TOTAL OF BELOW INDUSTRIES	7840895	84.01	826608	65.40
	10	COKE AND REFINED PETROLEUM PRODUCTS	4100079	43.93	507712	40.17
	24	FOOD PRODUCTS	2479731	26.57	204772	16.20
	30	BASIC METALS	747356	8.01	29201	2.31
		OTHER TRANSPORT EQUIPMENT	513729	5.50	84923	6.72



**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
Chandigarh		TOTAL	340245	100.00	64849	100.00
		TOTAL OF BELOW INDUSTRIES	281794	82.83	55452	85.50
		OTHER INDUSTRIES	74338	21.85	11078	17.08
	24	BASIC METALS	64573	18.98	15946	24.59
	28	MACHINERY AND EQUIPMENT N.E.C.	62454	18.36	12731	19.63
	10	FOOD PRODUCTS	37664	11.07	3431	5.29
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	23403	6.88	9592	14.79
	11	BEVERAGES	19362	5.69	2674	4.12
Chattisgarh		TOTAL	25497713	100.00	4036257	100.00
		TOTAL OF BELOW INDUSTRIES	21841505	85.65	3453512	85.56
	24	BASIC METALS	17303619	67.86	2830427	70.13
	10	FOOD PRODUCTS	3050470	11.96	223330	5.53
	23	OTHER NON-METALLIC MINERAL PRODUCTS	1487416	5.83	399755	9.90
Dadra & N Haveli & Daman & Diu		TOTAL	22417127	100.00	3155914	100.00
		TOTAL OF BELOW INDUSTRIES	19026669	84.88	2336831	74.04
	24	BASIC METALS	6749720	30.11	314944	9.98
	20	CHEMICALS AND CHEMICAL PRODUCTS	5159314	23.02	891629	28.25
	22	RUBBER AND PLASTICS PRODUCTS	2876843	12.83	529320	16.77
	27	ELECTRICAL EQUIPMENT	2415758	10.78	317482	10.06
	13	TEXTILES	1825034	8.14	283456	8.98
Delhi		TOTAL	4355021	100.00	619301	100.00
		TOTAL OF BELOW INDUSTRIES	3604976	82.77	480556	77.60
	10	FOOD PRODUCTS	1000044	22.96	84410	13.63
		OTHER INDUSTRIES	921631	21.16	101890	16.45
	14	WEARING APPAREL	339947	7.81	86783	14.01
	27	ELECTRICAL EQUIPMENT	284006	6.52	35834	5.79
	15	LEATHER AND RELATED PRODUCTS	213859	4.91	25141	4.06
	28	MACHINERY AND EQUIPMENT N.E.C.	193545	4.44	46240	7.47
	26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	169987	3.90	39393	6.36
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	168038	3.86	22086	3.57
	20	CHEMICALS AND CHEMICAL PRODUCTS	157075	3.61	19183	3.10
	22	RUBBER AND PLASTICS PRODUCTS	156844	3.60	19596	3.16

**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
Goa		TOTAL	5943807	100.00	1567348	100.00
		TOTAL OF BELOW INDUSTRIES	4976859	83.73	1348995	86.08
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	1500056	25.24	661869	42.23
	24	BASIC METALS	810473	13.64	99964	6.38
	27	ELECTRICAL EQUIPMENT	662575	11.15	109298	6.97
	20	CHEMICALS AND CHEMICAL PRODUCTS	565023	9.51	109356	6.98
	26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	424650	7.14	117033	7.47
	22	RUBBER AND PLASTICS PRODUCTS	396619	6.67	95076	6.07
	10	FOOD PRODUCTS	369321	6.21	107153	6.84
	28	MACHINERY AND EQUIPMENT N.E.C.	248142	4.17	49246	3.14
Gujarat		TOTAL	214827011	100.00	30032277	100.00
		TOTAL OF BELOW INDUSTRIES	174895185	81.40	23768538	79.15
	19	COKE AND REFINED PETROLEUM PRODUCTS	46933555	21.85	3922135	13.06
	20	CHEMICALS AND CHEMICAL PRODUCTS	38331607	17.84	8020952	26.71
	10	FOOD PRODUCTS	22065856	10.27	1401727	4.67
	24	BASIC METALS	18309992	8.52	2556581	8.51
	32	OTHER MANUFACTURING	12647083	5.89	964177	3.21
	13	TEXTILES	12636963	5.88	2018376	6.72
	22	RUBBER AND PLASTICS PRODUCTS	8663607	4.03	1318878	4.39
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	7695311	3.58	2392534	7.97
		OTHER INDUSTRIES	7611211	3.54	1173178	3.91
Haryana		TOTAL	74105689	100.00	10908432	100.00
		TOTAL OF BELOW INDUSTRIES	60776805	82.02	8344562	76.51
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	18263593	24.65	2792018	25.60
	24	BASIC METALS	9275702	12.52	703607	6.45
	19	COKE AND REFINED PETROLEUM PRODUCTS	8039072	10.85	842033	7.72
	10	FOOD PRODUCTS	6354483	8.57	636870	5.84
	27	ELECTRICAL EQUIPMENT	3910679	5.28	570671	5.23
	28	MACHINERY AND EQUIPMENT N.E.C.	3540201	4.78	752537	6.90
	30	OTHER TRANSPORT EQUIPMENT	3364827	4.54	598925	5.49
	13	TEXTILES	3258239	4.40	558049	5.12
	20	CHEMICALS AND CHEMICAL PRODUCTS	2528703	3.41	502725	4.61
	22	RUBBER AND PLASTICS PRODUCTS	2241306	3.02	387127	3.55

**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
Himachal Pradesh		TOTAL	15160437	100.00	3609804	100.00
		TOTAL OF BELOW INDUSTRIES	12238758	80.74	3014047	83.49
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	4435405	29.26	1431693	39.66
	24	BASIC METALS	2103992	13.88	43579	1.21
	20	CHEMICALS AND CHEMICAL PRODUCTS	1561608	10.30	470492	13.03
	27	ELECTRICAL EQUIPMENT	1237165	8.16	180297	4.99
	13	TEXTILES	989841	6.53	193666	5.37
	19	COKE AND REFINED PETROLEUM PRODUCTS	680279	4.49	36780	1.02
	10	FOOD PRODUCTS	654846	4.32	164029	4.54
	OTHER INDUSTRIES	575622	3.80	493511	13.67	
Jammu & Kashmir		TOTAL	3126870	100.00	693449	100.00
		TOTAL OF BELOW INDUSTRIES	2645057	84.58	600584	86.61
	20	CHEMICALS AND CHEMICAL PRODUCTS	972678	31.11	290756	41.93
	10	FOOD PRODUCTS	455363	14.56	38517	5.55
	22	RUBBER AND PLASTICS PRODUCTS	334602	10.70	53063	7.65
	24	BASIC METALS	287160	9.18	20759	2.99
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	286255	9.15	131534	18.97
	13	TEXTILES	160866	5.14	46153	6.66
27	ELECTRICAL EQUIPMENT	148133	4.74	19802	2.86	
Jharkhand		TOTAL	20883637	100.00	4964632	100.00
		TOTAL OF BELOW INDUSTRIES	16890465	80.87	4283878	86.28
	24	BASIC METALS	14684112	70.31	3926273	79.08
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	2206353	10.56	357605	7.20
Karnataka		TOTAL	75490175	100.00	15516144	100.00
		TOTAL OF BELOW INDUSTRIES	61543183	81.53	12340218	79.53
	24	BASIC METALS	12825404	16.99	4166990	26.86
	10	FOOD PRODUCTS	11463524	15.19	1085086	6.99
	19	COKE AND REFINED PETROLEUM PRODUCTS	8056699	10.67	712428	4.59
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	4914000	6.51	846985	5.46
	27	ELECTRICAL EQUIPMENT	4084629	5.41	649011	4.18
	28	MACHINERY AND EQUIPMENT N.E.C.	3553212	4.71	863412	5.56
	20	CHEMICALS AND CHEMICAL PRODUCTS	3215584	4.26	674908	4.35
	26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	3157282	4.18	433234	2.79
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	3044820	4.03	1183193	7.63
	14	WEARING APPAREL	2776743	3.68	792683	5.11
	22	RUBBER AND PLASTICS PRODUCTS	2293904	3.04	466320	3.01
	30	OTHER TRANSPORT EQUIPMENT	2157382	2.86	465968	3.00

**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
Kerala		TOTAL	19828602	100.00	2709774	100.00
		TOTAL OF BELOW INDUSTRIES	16340927	82.42	1757121	64.84
	19	COKE AND REFINED PETROLEUM PRODUCTS	8252375	41.62	657821	24.28
	10	FOOD PRODUCTS	3752943	18.93	442836	16.34
	22	RUBBER AND PLASTICS PRODUCTS	1443606	7.28	183520	6.77
	20	CHEMICALS AND CHEMICAL PRODUCTS	1111925	5.61	263483	9.72
	24	OTHER INDUSTRIES	909707	4.59	148460	5.48
Ladakh		TOTAL	2993	100.00	-434	100.00
		TOTAL OF BELOW INDUSTRIES	2993	100.00	-434	100.00
		OTHER INDUSTRIES	2993	100.00	-434	100.00
Madhya Pradesh		TOTAL	34806545	100.00	6648693	100.00
		TOTAL OF BELOW INDUSTRIES	28577504	82.11	5437076	81.78
	10	FOOD PRODUCTS	6527169	18.75	539429	8.11
	19	COKE AND REFINED PETROLEUM PRODUCTS	4224568	12.14	424000	6.38
		OTHER INDUSTRIES	4143398	11.90	1733044	26.07
	24	BASIC METALS	2771366	7.96	573819	8.63
	20	CHEMICALS AND CHEMICAL PRODUCTS	2538375	7.29	385407	5.80
	13	TEXTILES	2449521	7.04	592601	8.91
	23	OTHER NON-METALLIC MINERAL PRODUCTS	2306381	6.63	563184	8.47
	22	RUBBER AND PLASTICS PRODUCTS	1902238	5.47	362555	5.45
Maharashtra		TOTAL	166650767	100.00	32089560	100.00
		TOTAL OF BELOW INDUSTRIES	135842622	81.51	25539352	79.59
	24	BASIC METALS	21592748	12.96	4065767	12.67
	10	FOOD PRODUCTS	18976706	11.39	1988975	6.20
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	18622358	11.17	2902821	9.05
	20	CHEMICALS AND CHEMICAL PRODUCTS	17591190	10.56	3769610	11.75
	19	COKE AND REFINED PETROLEUM PRODUCTS	13110336	7.87	1240806	3.87
	28	MACHINERY AND EQUIPMENT N.E.C.	12398506	7.44	2850796	8.88
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	8317522	4.99	3664196	11.42
	22	RUBBER AND PLASTICS PRODUCTS	7586777	4.55	1787430	5.57
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	5965147	3.58	1238069	3.86
	32	OTHER MANUFACTURING	5873859	3.52	752364	2.34
	27	ELECTRICAL EQUIPMENT	5807473	3.48	1278518	3.98

**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
Manipur		TOTAL	62807	100.00	12063	100.00
		TOTAL OF BELOW INDUSTRIES	57657	91.80	10725	88.90
	23	OTHER NON-METALLIC MINERAL PRODUCTS	27224	43.35	7700	63.83
	10	FOOD PRODUCTS	21080	33.56	1338	11.09
		OTHER INDUSTRIES	9353	14.89	1687	13.98
Meghalaya		TOTAL	898383	100.00	179149	100.00
		TOTAL OF BELOW INDUSTRIES	765260	85.18	160992	89.87
	23	OTHER NON-METALLIC MINERAL PRODUCTS	476117	53.00	120625	67.33
	24	BASIC METALS	241524	26.88	36253	20.24
Mizoram		TOTAL	7787	100.00	2637	100.00
		TOTAL OF BELOW INDUSTRIES	6316	81.11	1792	67.94
		OTHER INDUSTRIES	4195	53.87	879	33.33
	10	FOOD PRODUCTS	1059	13.60	455	17.25
	23	OTHER NON-METALLIC MINERAL PRODUCTS	560	7.19	263	9.97
Nagaland		TOTAL	54096	100.00	10126	100.00
		TOTAL OF BELOW INDUSTRIES	49271	91.08	7668	75.73
	16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE	20703	38.27	5901	58.28
		OTHER INDUSTRIES	15296	28.28	855	8.44
	10	FOOD PRODUCTS	13272	24.53	912	9.01
Odisha		TOTAL	46879708	100.00	10009295	100.00
		TOTAL OF BELOW INDUSTRIES	38459271	82.04	8556886	85.49
	24	BASIC METALS	30939573	66.00	7816813	78.10
	19	COKE AND REFINED PETROLEUM PRODUCTS	7519698	16.04	740073	7.39
Puducherry		TOTAL	3587704	100.00	677681	100.00
		TOTAL OF BELOW INDUSTRIES	3039760	84.72	526165	77.65
	20	CHEMICALS AND CHEMICAL PRODUCTS	863531	24.07	234201	34.56
	26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	737491	20.56	96131	14.19
	22	RUBBER AND PLASTICS PRODUCTS	372472	10.38	11460	1.69
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	262726	7.32	109433	16.15
	24	BASIC METALS	213224	5.94	12573	1.86
	27	ELECTRICAL EQUIPMENT	209289	5.83	24462	3.61
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	208810	5.82	39126	5.77
	10	FOOD PRODUCTS	172217	4.80	-1221	-0.18

**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
Punjab		TOTAL	37249795	100.00	5442222	100.00
		TOTAL OF BELOW INDUSTRIES	31048747	83.36	4131573	75.92
	19	COKE AND REFINED PETROLEUM PRODUCTS	6362989	17.08	701161	12.88
	10	FOOD PRODUCTS	6123019	16.44	693375	12.74
	24	BASIC METALS	6107659	16.40	339905	6.25
	13	TEXTILES	3851640	10.34	716526	13.17
	28	MACHINERY AND EQUIPMENT N.E.C.	2870288	7.71	675686	12.42
	14	WEARING APPAREL	1648389	4.43	296608	5.45
	20	CHEMICALS AND CHEMICAL PRODUCTS	1457698	3.91	258929	4.76
	30	OTHER TRANSPORT EQUIPMENT	1372344	3.68	228201	4.19
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	1254721	3.37	221182	4.06
Rajasthan		TOTAL	48384800	100.00	8309574	100.00
		TOTAL OF BELOW INDUSTRIES	39078299	80.77	6536309	78.66
	24	BASIC METALS	7439739	15.38	1043455	12.56
	10	FOOD PRODUCTS	7029779	14.53	480697	5.78
	23	OTHER NON-METALLIC MINERAL PRODUCTS	5409523	11.18	1492066	17.96
	20	CHEMICALS AND CHEMICAL PRODUCTS	4211306	8.70	761264	9.16
	13	TEXTILES	4082094	8.44	683658	8.23
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	2785709	5.76	568152	6.84
	28	MACHINERY AND EQUIPMENT N.E.C.	2434153	5.03	505879	6.09
	27	ELECTRICAL EQUIPMENT	2250249	4.65	327704	3.94
	22	RUBBER AND PLASTICS PRODUCTS	2002505	4.14	419846	5.05
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	1433242	2.96	253588	3.05
Sikkim		TOTAL	2349577	100.00	1040594	100.00
		TOTAL OF BELOW INDUSTRIES	1936739	82.43	916792	88.10
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	1936739	82.43	916792	88.10
Tamil Nadu		TOTAL	116019820	100.00	19425720	100.00
		TOTAL OF BELOW INDUSTRIES	93471131	80.56	14473609	74.52
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	20255876	17.46	3346450	17.23
	13	TEXTILES	12485511	10.76	2281724	11.75
	10	FOOD PRODUCTS	12312389	10.61	1256303	6.47
	28	MACHINERY AND EQUIPMENT N.E.C.	8711824	7.51	1882532	9.69
	14	WEARING APPAREL	6352614	5.48	1277487	6.58
	20	CHEMICALS AND CHEMICAL PRODUCTS	6338824	5.46	1010948	5.20
	24	BASIC METALS	6170584	5.32	690719	3.56
	26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	5806706	5.00	656367	3.38
	19	COKE AND REFINED PETROLEUM PRODUCTS	5461050	4.71	456492	2.35
	32	OTHER MANUFACTURING	5023928	4.33	591969	3.05
		22	RUBBER AND PLASTICS PRODUCTS	4551825	3.92	1022618

**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	
Telangana		TOTAL	32620536	100.00	7150044	100.00	
		TOTAL OF BELOW INDUSTRIES	26952095	82.63	5521885	77.24	
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	7587590	23.26	2676043	37.43	
	10	FOOD PRODUCTS	4934231	15.13	554493	7.76	
	24	BASIC METALS	2823939	8.66	221695	3.10	
	23	OTHER NON-METALLIC MINERAL PRODUCTS	2067789	6.34	478790	6.70	
	22	RUBBER AND PLASTICS PRODUCTS	1879620	5.76	309012	4.32	
	27	ELECTRICAL EQUIPMENT	1876805	5.75	324873	4.54	
	01	COTTON GINNING, CLEANING AND BAILING (01632); SEED PROCESSING FOR PROPAGATION (01640)	1876409	5.75	243051	3.40	
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	1436974	4.41	232869	3.26	
Tripura		TOTAL	206315	100.00	38983	100.00	
		TOTAL OF BELOW INDUSTRIES	168531	81.69	32783	84.10	
	22	RUBBER AND PLASTICS PRODUCTS	54842	26.58	5655	14.51	
	10	FOOD PRODUCTS	51899	25.16	8790	22.55	
	23	OTHER NON-METALLIC MINERAL PRODUCTS	43647	21.16	16354	41.95	
		OTHER INDUSTRIES	18143	8.79	1984	5.09	
	Uttar Pradesh		TOTAL	78902954	100.00	12067325	100.00
			TOTAL OF BELOW INDUSTRIES	64479387	81.70	8835584	73.22
		10	FOOD PRODUCTS	16485295	20.89	1497433	12.41
		26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	11147463	14.13	1156927	9.59
20		CHEMICALS AND CHEMICAL PRODUCTS	6931558	8.78	1157842	9.59	
24		BASIC METALS	6005943	7.61	891452	7.39	
19		COKE AND REFINED PETROLEUM PRODUCTS	5561100	7.05	459446	3.81	
22		RUBBER AND PLASTICS PRODUCTS	3526737	4.47	550716	4.56	
		OTHER INDUSTRIES	3466310	4.39	782161	6.48	
27		ELECTRICAL EQUIPMENT	2582049	3.27	365345	3.03	
28		MACHINERY AND EQUIPMENT N.E.C.	2283830	2.89	495678	4.11	
14		WEARING APPAREL	2272614	2.88	525050	4.35	
29		MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	2169846	2.75	539969	4.47	
23	OTHER NON-METALLIC MINERAL PRODUCTS	2046642	2.59	413565	3.43		

**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
Uttarakhand		TOTAL	23094765	100.00	5259880	100.00
		TOTAL OF BELOW INDUSTRIES	18517098	80.19	3983051	75.72
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	3572641	15.47	617039	11.73
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	2385222	10.33	585936	11.14
	20	CHEMICALS AND CHEMICAL PRODUCTS	2316209	10.03	769675	14.63
	30	OTHER TRANSPORT EQUIPMENT	2107864	9.13	379536	7.22
	27	ELECTRICAL EQUIPMENT	1993268	8.63	430702	8.19
	22	RUBBER AND PLASTICS PRODUCTS	1943165	8.41	366328	6.96
	10	FOOD PRODUCTS	1860637	8.06	314685	5.98
	24	BASIC METALS	1209619	5.24	322195	6.13
17	PAPER AND PAPER PRODUCTS	1128473	4.89	196955	3.74	
West Bengal		TOTAL	45478568	100.00	6862795	100.00
		TOTAL OF BELOW INDUSTRIES	37311997	82.04	5133757	74.81
	24	BASIC METALS	12797215	28.14	1920440	27.98
	10	FOOD PRODUCTS	8844705	19.45	768187	11.19
	19	COKE AND REFINED PETROLEUM PRODUCTS	5277711	11.60	627001	9.14
	20	CHEMICALS AND CHEMICAL PRODUCTS	4034102	8.87	658515	9.60
	13	TEXTILES	1906248	4.19	413477	6.02
	22	RUBBER AND PLASTICS PRODUCTS	1743880	3.83	229353	3.34
	23	OTHER NON-METALLIC MINERAL PRODUCTS	1426785	3.14	316040	4.61
27	ELECTRICAL EQUIPMENT	1281351	2.82	200744	2.93	
All India		TOTAL	1192715147	100.00	204797151	100.00
		TOTAL OF BELOW INDUSTRIES	957419031	80.28	160296008	78.27
	24	BASIC METALS	190235652	15.95	34154127	16.68
	10	FOOD PRODUCTS	153725362	12.89	14226032	6.95
	19	COKE AND REFINED PETROLEUM PRODUCTS	135776750	11.38	12837600	6.27
	20	CHEMICALS AND CHEMICAL PRODUCTS	109790820	9.21	22263562	10.87
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	86768704	7.27	13545864	6.61
	13	TEXTILES	54253438	4.55	9841879	4.81
	28	MACHINERY AND EQUIPMENT N.E.C.	50554434	4.24	11280148	5.51
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	48617781	4.08	17210777	8.40
	22	RUBBER AND PLASTICS PRODUCTS	47510578	3.98	8748754	4.27
	27	ELECTRICAL EQUIPMENT	40387529	3.39	6500172	3.17
	23	OTHER NON-METALLIC MINERAL PRODUCTS	39797983	3.34	9687093	4.73



## ***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, Maharashtra and Telangana are the top three important contributors to the total output. These three States together accounted for 70.16% of the total output for the industry. Gujarat, Maharashtra and Uttar Pradesh are the top contributors in the Food industry (NIC: 10) by contributing 37.41% of total output of that industry. In the case of Coke and Refined Petroleum Products (NIC: 19), Gujarat, Maharashtra and Kerala are the top three contributors to total output, accounting for 50.31% taken together. The major contributors for Chemicals and Chemical Products (NIC: 20) are Gujarat, Maharashtra and Uttar Pradesh and these States accounted 57.24% of total output of that industry. In Basic Metals (NIC: 24), the major States are Odisha, Maharashtra and Gujarat by capturing 37.23% of total output of that industry. In Motor Vehicles, Trailers and Semi-Trailers (NIC: 29) industry, the top three States are Tamil Nadu, Maharashtra and Haryana capturing 65.85% 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	9557867	100.00	621165	100.00
		TOTAL OF BELOW STATE/UTs	8023167	83.94	495576	79.78
		Gujarat	2429396	25.42	90472	14.56
		Maharashtra	2400447	25.11	99213	15.97
		Telangana	1876409	19.63	243051	39.13
		Karnataka	669720	7.01	43677	7.03
		Rajasthan	647195	6.77	19163	3.09
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	All India	111705	100.00	50471	100.00
		TOTAL OF BELOW STATE/UTs	100813	90.25	45644	90.44
		Gujarat	100813	90.25	45644	90.44
10	FOOD PRODUCTS	All India	153725362	100.00	14226032	100.00
		TOTAL OF BELOW STATE/UTs	123944182	80.61	10803933	75.95
		Gujarat	22065856	14.35	1401727	9.85
		Maharashtra	18976706	12.34	1988975	13.98
		Uttar Pradesh	16485295	10.72	1497433	10.53
		Andhra Pradesh	13884276	9.03	1149226	8.08
		Tamil Nadu	12312389	8.01	1256303	8.83
		Karnataka	11463524	7.46	1085086	7.63
		West Bengal	8844705	5.75	768187	5.40
		Rajasthan	7029779	4.57	480697	3.38
		Madhya Pradesh	6527169	4.25	539429	3.79
11	BEVERAGES	All India	9837544	100.00	2094409	100.00
		TOTAL OF BELOW STATE/UTs	8190445	83.25	1731802	82.68
		Uttar Pradesh	1640238	16.67	387843	18.52
		Maharashtra	1457344	14.81	311097	14.85
		Karnataka	838901	8.53	97742	4.67
		Punjab	638641	6.49	150037	7.16
		Telangana	613233	6.23	154890	7.40
		Haryana	576294	5.86	138050	6.59
		Tamil Nadu	573174	5.83	93979	4.49
		Rajasthan	519757	5.28	81334	3.88
		Andhra Pradesh	518956	5.28	125499	5.99
		West Bengal	466390	4.74	106822	5.10
		Madhya Pradesh	347517	3.53	84509	4.03

**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	4230043	100.00	1787040	100.00
		TOTAL OF BELOW STATE/UTs	3510208	82.97	1512584	84.64
		Uttar Pradesh	976373	23.08	482971	27.03
		Karnataka	694182	16.41	379786	21.25
		Gujarat	440779	10.42	111715	6.25
		Maharashtra	420623	9.94	267194	14.95
		Telangana	335970	7.94	179120	10.02
		West Bengal	332112	7.85	52875	2.96
		Andhra Pradesh	310169	7.33	38923	2.18
13	TEXTILES	All India	54253438	100.00	9841879	100.00
		TOTAL OF BELOW STATE/UTs	43714467	80.56	7832281	79.58
		Gujarat	12636963	23.29	2018376	20.51
		Tamil Nadu	12485511	23.01	2281724	23.18
		Maharashtra	4950499	9.12	981347	9.97
		Rajasthan	4082094	7.52	683658	6.95
		Punjab	3851640	7.10	716526	7.28
		Haryana	3258239	6.01	558049	5.67
		Madhya Pradesh	2449521	4.51	592601	6.02
14	WEARING APPAREL	All India	18871906	100.00	4323359	100.00
		TOTAL OF BELOW STATE/UTs	15840278	83.93	3605031	83.38
		Tamil Nadu	6352614	33.66	1277487	29.55
		Karnataka	2776743	14.71	792683	18.33
		Uttar Pradesh	2272614	12.04	525050	12.14
		Haryana	1826100	9.68	479841	11.10
		Punjab	1648389	8.73	296608	6.86
		Maharashtra	963818	5.11	233362	5.40
15	LEATHER AND RELATED PRODUCTS	All India	6849453	100.00	1461936	100.00
		TOTAL OF BELOW STATE/UTs	5691536	83.10	1231004	84.21
		Tamil Nadu	1886438	27.54	448893	30.71
		Uttar Pradesh	1503932	21.96	316225	21.63
		Haryana	971911	14.19	196272	13.43
		West Bengal	742446	10.84	158516	10.84
		Karnataka	311762	4.55	70569	4.83
Rajasthan	275047	4.02	40529	2.77		

**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 PLAING MATERIALS	All India	3563740	100.00	633584	100.00
		TOTAL OF BELOW STATE/UTs	3006366	84.37	523631	82.64
		Gujarat	687789	19.30	74222	11.71
		Haryana	469284	13.17	61443	9.70
		Tamil Nadu	366914	10.30	92720	14.63
		Kerala	337927	9.48	38895	6.14
		Uttarakhand	318064	8.93	86637	13.67
		West Bengal	272484	7.65	72783	11.49
		Uttar Pradesh	215028	6.03	34776	5.49
		Punjab	182769	5.13	36451	5.75
		Rajasthan	156107	4.38	25704	4.06
		17	PAPER AND PAPER PRODUCTS	All India	17619230	100.00
TOTAL OF BELOW STATE/UTs	14101655			80.03	2329926	78.16
Gujarat	3172606			18.01	394702	13.24
Maharashtra	2121510			12.04	454541	15.25
Uttar Pradesh	2016513			11.44	241437	8.10
Tamil Nadu	1572260			8.92	253419	8.50
Uttarakhand	1128473			6.40	196955	6.61
Karnataka	1007063			5.72	179183	6.01
Telangana	877769			4.98	250999	8.42
Haryana	771296			4.38	132771	4.45
Punjab	770346			4.37	127641	4.28
Rajasthan	663819			3.77	98278	3.30
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	All India	3384005	100.00	979409	100.00
		TOTAL OF BELOW STATE/UTs	2786572	82.34	814112	83.11
		Maharashtra	753332	22.26	215900	22.04
		Tamil Nadu	485406	14.34	143403	14.64
		Uttar Pradesh	383449	11.33	105597	10.78
		Haryana	259154	7.66	64645	6.60
		Karnataka	257609	7.61	63494	6.48
		Gujarat	256723	7.59	73383	7.49
		Telangana	149544	4.42	52203	5.33
		Kerala	145615	4.30	69931	7.14
		West Bengal	95740	2.83	25556	2.61

**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	135776750	100.00	12837600	100.00
		TOTAL OF BELOW STATE/UTs	109296874	80.51	9732395	75.81
		Gujarat	46933555	34.57	3922135	30.55
		Maharashtra	13110336	9.66	1240806	9.67
		Kerala	8252375	6.08	657821	5.12
		Karnataka	8056699	5.93	712428	5.55
		Haryana	8039072	5.92	842033	6.56
		Odisha	7519698	5.54	740073	5.76
		Punjab	6362989	4.69	701161	5.46
		Uttar Pradesh	5561100	4.10	459446	3.58
		Tamil Nadu	5461050	4.02	456492	3.56
		20	CHEMICALS AND CHEMICAL PRODUCTS	All India	109790820	100.00
TOTAL OF BELOW STATE/UTs	89783537			81.77	17673030	79.38
Gujarat	38331607			34.91	8020952	36.03
Maharashtra	17591190			16.02	3769610	16.93
Uttar Pradesh	6931558			6.31	1157842	5.20
Tamil Nadu	6338824			5.77	1010948	4.54
Dadra & N Haveli & Daman & Diu	5159314			4.70	891629	4.00
Rajasthan	4211306			3.84	761264	3.42
West Bengal	4034102			3.67	658515	2.96
Andhra Pradesh	3970052			3.62	727362	3.27
Karnataka	3215584			2.93	674908	3.03
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS			All India	48617781	100.00
		TOTAL OF BELOW STATE/UTs	39720134	81.70	14086541	81.84
		Maharashtra	8317522	17.11	3664196	21.29
		Gujarat	7695311	15.83	2392534	13.90
		Telangana	7587590	15.61	2676043	15.55
		Himachal Pradesh	4435405	9.12	1431693	8.32
		Andhra Pradesh	4317525	8.88	1236154	7.18
		Karnataka	3044820	6.26	1183193	6.87
		Uttarakhand	2385222	4.91	585936	3.40
		Sikkim	1936739	3.98	916792	5.33

**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	47510578	100.00	8748754	100.00
		TOTAL OF BELOW STATE/UTs	39468527	83.08	7520150	85.95
		Gujarat	8663607	18.24	1318878	15.08
		Maharashtra	7586777	15.97	1787430	20.43
		Tamil Nadu	4551825	9.58	1022618	11.69
		Uttar Pradesh	3526737	7.42	550716	6.29
		Dadra & N Haveli & Daman & Diu	2876843	6.06	529320	6.05
		Karnataka	2293904	4.83	466320	5.33
		Haryana	2241306	4.72	387127	4.42
		Rajasthan	2002505	4.21	419846	4.80
		Uttarakhand	1943165	4.09	366328	4.19
		Madhya Pradesh	1902238	4.00	362555	4.14
		Telangana	1879620	3.96	309012	3.53
23	OTHER NON-METALLIC MINERAL PRODUCTS	All India	39797983	100.00	9687093	100.00
		TOTAL OF BELOW STATE/UTs	32970243	82.85	7808118	80.59
		Gujarat	7320743	18.39	1311519	13.54
		Rajasthan	5409523	13.59	1492066	15.4
		Maharashtra	3200264	8.04	855171	8.83
		Andhra Pradesh	2854033	7.17	779875	8.05
		Tamil Nadu	2805454	7.05	655320	6.76
		Madhya Pradesh	2306381	5.8	563184	5.81
		Telangana	2067789	5.2	478790	4.94
		Uttar Pradesh	2046642	5.14	413565	4.27
		Karnataka	2045213	5.14	542833	5.6
		Chattisgarh	1487416	3.74	399755	4.13
		West Bengal	1426785	3.59	316040	3.26
24	BASIC METALS	All India	190235652	100.00	34154127	100.00
		TOTAL OF BELOW STATE/UTs	158904042	83.53	30727017	89.98
		Odisha	30939573	16.26	7816813	22.89
		Maharashtra	21592748	11.35	4065767	11.9
		Gujarat	18309992	9.62	2556581	7.49
		Chattisgarh	17303619	9.1	2830427	8.29
		Jharkhand	14684112	7.72	3926273	11.5
		Karnataka	12825404	6.74	4166990	12.2
		West Bengal	12797215	6.73	1920440	5.62
		Haryana	9275702	4.88	703607	2.06
		Rajasthan	7439739	3.91	1043455	3.06
		Andhra Pradesh	6986218	3.67	1381720	4.05
		Dadra & N Haveli & Daman & Diu	6749720	3.55	314944	0.92

**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	28009698	100.00	5387274	100.00
		TOTAL OF BELOW STATE/UTs	22847536	81.58	4614593	85.65
		Maharashtra	5965147	21.3	1238069	22.98
		Gujarat	3904111	13.94	714049	13.25
		Tamil Nadu	3250848	11.61	697312	12.94
		Haryana	1921565	6.86	370293	6.87
		Karnataka	1863162	6.65	594718	11.04
		Uttar Pradesh	1817766	6.49	292513	5.43
		Telangana	1436974	5.13	232869	4.32
		Rajasthan	1433242	5.12	253588	4.71
		Punjab	1254721	4.48	221182	4.11
26	COMPUTER,ELECTRONIC AND OPTICAL PRODUCTS	All India	33521302	100.00	4556637	100.00
		TOTAL OF BELOW STATE/UTs	27150792	80.99	3288934	72.18
		Uttar Pradesh	11147463	33.25	1156927	25.39
		Tamil Nadu	5806706	17.32	656367	14.40
		Maharashtra	4436633	13.24	875830	19.22
		Karnataka	3157282	9.42	433234	9.51
		Andhra Pradesh	2602708	7.76	166576	3.66
27	ELECTRICAL EQUIPMENT	All India	40387529	100.00	6500172	100.00
		TOTAL OF BELOW STATE/UTs	32576212	80.65	5296579	81.48
		Maharashtra	5807473	14.38	1278518	19.67
		Gujarat	4145265	10.26	558493	8.59
		Karnataka	4084629	10.11	649011	9.98
		Haryana	3910679	9.68	570671	8.78
		Tamil Nadu	3510037	8.69	473780	7.29
		Uttar Pradesh	2582049	6.39	365345	5.62
		Dadra & N Haveli & Daman & Diu	2415758	5.98	317482	4.88
		Rajasthan	2250249	5.57	327704	5.04
		Uttarakhand	1993268	4.94	430702	6.63
Telangana	1876805	4.65	324873	5.00		
28	MACHINERY AND EQUIPMENT N.E.C.	All India	50554434	100.00	11280148	100.00
		TOTAL OF BELOW STATE/UTs	41113298	81.32	9258916	82.07
		Maharashtra	12398506	24.53	2850796	25.27
		Tamil Nadu	8711824	17.23	1882532	16.69
		Gujarat	7605114	15.04	1728074	15.32
		Karnataka	3553212	7.03	863412	7.65
		Haryana	3540201	7.00	752537	6.67
		Punjab	2870288	5.68	675686	5.99
		Rajasthan	2434153	4.81	505879	4.48

**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
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	All India	86768704	100.00	13545864	100.00
		TOTAL OF BELOW STATE/UTs	72022465	83.00	10770161	79.50
		Tamil Nadu	20255876	23.34	3346450	24.70
		Maharashtra	18622358	21.46	2902821	21.43
		Haryana	18263593	21.05	2792018	20.61
		Gujarat	6144187	7.08	521297	3.85
		Karnataka	4914000	5.66	846985	6.25
		Andhra Pradesh	3822451	4.41	360590	2.66
30	OTHER TRANSPORT EQUIPMENT	All India	24208751	100.00	4990318	100.00
		TOTAL OF BELOW STATE/UTs	20164556	83.30	4096146	82.09
		Maharashtra	5640259	23.30	1207586	24.20
		Haryana	3364827	13.90	598925	12.00
		Tamil Nadu	3292714	13.60	717968	14.39
		Karnataka	2157382	8.91	465968	9.34
		Uttarakhand	2107864	8.71	379536	7.61
		Punjab	1372344	5.67	228201	4.57
		Uttar Pradesh	1245004	5.14	307049	6.15
Rajasthan	984162	4.07	190913	3.83		
31	FURNITURE	All India	3527046	100.00	660536	100.00
		TOTAL OF BELOW STATE/UTs	2909303	82.48	555810	84.13
		Rajasthan	825490	23.40	172478	26.11
		Maharashtra	800985	22.71	130199	19.71
		Karnataka	416763	11.82	90767	13.74
		Haryana	269118	7.63	40246	6.09
		Uttar Pradesh	251960	7.14	53126	8.04
		Tamil Nadu	225059	6.38	48314	7.31
		Telangana	119928	3.40	20680	3.13
32	OTHER MANUFACTURING	All India	31966987	100.00	3807779	100.00
		TOTAL OF BELOW STATE/UTs	26967142	84.35	2989671	78.52
		Gujarat	12647083	39.56	964177	25.32
		Maharashtra	5873859	18.37	752364	19.76
		Tamil Nadu	5023928	15.72	591969	15.55
		Haryana	1832189	5.73	273994	7.20
		Uttar Pradesh	1590083	4.97	407167	10.69
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	All India	3037539	100.00	432827	100.00
		TOTAL OF BELOW STATE/UTs	2456834	80.88	241414	55.78
		Karnataka	1938949	63.83	63720	14.72
		Maharashtra	391361	12.88	137363	31.74
		Telangana	126524	4.17	40331	9.32



**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
38	WASTE COLLECTION,TREATMENT AND DISPOSAL ACTIVITIES; MATERIALS RECOVERY	All India	2001626	100.00	265772	100.00
		TOTAL OF BELOW STATE/UTs	1648268	82.35	153570	57.79
		Gujarat	1286159	64.26	101089	38.04
		Tamil Nadu	143940	7.19	12546	4.72
		Andhra Pradesh	132291	6.61	15516	5.84
		Telangana	85878	4.29	24419	9.19
58	PUBLISHING ACTIVITIES	All India	610830	100.00	250229	100.00
		TOTAL OF BELOW STATE/UTs	511252	83.70	214454	85.71
		Uttar Pradesh	126455	20.70	43624	17.43
		Kerala	78087	12.78	40277	16.10
		Karnataka	57782	9.46	32763	13.09
		Telangana	49581	8.12	19611	7.84
		Gujarat	48115	7.88	13779	5.51
		West Bengal	45169	7.39	16410	6.56
		Andhra Pradesh	43908	7.19	19029	7.60
		Tamil Nadu	34809	5.70	18638	7.45
		Maharashtra	27346	4.48	10323	4.13
	ALL INDUSTRIES	All India	1192715147	100.00	204797151	100.00
		TOTAL OF BELOW STATE/UTs	956926704	80.23	158683817	77.50
		Gujarat	214827011	18.01	30032277	14.66
		Maharashtra	166650767	13.97	32089560	15.67
		Tamil Nadu	116019820	9.73	19425720	9.49
		Uttar Pradesh	78902954	6.62	12067325	5.89
		Karnataka	75490175	6.33	15516144	7.58
		Haryana	74105689	6.21	10908432	5.33
		Andhra Pradesh	52937417	4.44	8020473	3.92
		Rajasthan	48384800	4.06	8309574	4.06
		Odisha	46879708	3.93	10009295	4.89
		West Bengal	45478568	3.81	6862795	3.35
		Punjab	37249795	3.12	5442222	2.66



# भारत का राजपत्र The Gazette of India

असाधारण

EXTRAORDINARY

भाग II — खण्ड 1

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.



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.

**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;

1736 GI/11-4

- (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 para-military and the armed forces shall provide such assistance as would be required by the concerned statistics officer.

1736 GI/11-5

6

**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.

1736 GI/11-6

**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<sup>th</sup> 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<sup>th</sup> State **as a whole** based on the central sample is given by:

$${}^{Central}\hat{Y}_i = {}^s\hat{Y}'_i + {}^c\hat{Y}''_i \quad \dots\dots\dots (2)$$

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

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

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

As mentioned before the sub-samples ‘2’ and ‘4’ pertain to State Sample. The estimation formula for any characteristics of the unit **in the sample sector of the State sample**<sup>1</sup> for m-th sub-sample of the i-th state is:

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

where superscript ‘State’ in  $State \hat{Y}_{ism}$  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,  $State \hat{Y}_{ism}$ , m=2,4 i.e.,  $State \hat{Y}'_i = \frac{1}{2} \sum_{m=2,4} State \hat{Y}'_{ism}$ , where  $State \hat{Y}'_{ism}$  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:

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

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

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

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

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

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

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

---

<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

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

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

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

where  ${}^c\hat{Y}_s = \frac{1}{2} \sum_{m=1,3} \hat{Y}_{sm}$ ,  ${}^c\hat{X}_s = \frac{1}{2} \sum_{m=1,3} \hat{X}_{sm}$ ,  $\hat{R} = \text{Central } \hat{Y} / \text{Central } \hat{X}$ , 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  $\text{Central } \hat{X}$  and  $\text{Central } \hat{Y}$  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,

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

where  ${}^c\hat{Y}_{is} = \frac{1}{2} \sum_{m=1,3} \hat{Y}_{ism}$ ,  ${}^c\hat{X}_{is} = \frac{1}{2} \sum_{m=1,3} \hat{X}_{ism}$ ,  $\hat{R}_i = \text{Central } \hat{Y}_i / \text{Central } \hat{X}_i$ , 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  $\text{Central } \hat{X}_i$  and  $\text{Central } \hat{Y}_i$  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),

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

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 :

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

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
$\frac{E_{is}}{e_{ism}}, m = 1, 2, 3 \text{ or } 4.$	$\frac{E_{is}}{e_{is}}, e_{is} = \sum_{m=1}^4 e_{ism}$

## 7. Treatment for surveyed cases and casualty cases:

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

7.2 *Imputation of data from past survey for casualty units:* In case any units in the census sector becomes casualty, information in respect of all the characteristics may be borrowed from the previous year, if available, for the census sector units belonging to that post-survey stratum of 'State × 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 2021-2022(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 .....) 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 ----	Up to year beginning	Provided during the year	Adjustment for sold/ discarded during the year	Up to year end  (cols. 8+9-10)	Opening as on ----- (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>											

DSLNo       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>			

DSLNo       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]						



DSLNo       PSL No

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

DSLNo       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):						

DSLNo       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>				

DSLNo       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):

DSLNo       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 2021-22?	
2.	Did the factory use the internet during FY 2021-22?	
3.	Did the factory have a website as on the date of survey?	
4.	Did the factory receive orders via the internet during FY 2021-22?	
5.	Did the factory place orders for business purpose via the internet during FY 2021-22?	
6.	Did the factory connect to the internet either by a. Narrowband or b. Fixed broadband or c. Mobile broadband during FY 2021-22?	
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 2021-2022</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 (2021-2022)	Previous year (2020-21)	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 (2021-2022)	Previous year (2020-21)	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 BlockD 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		
Sl. No.	Check points	Observations (Yes-1/No-2)
1.	Examine the Industry Code with reference to Production/Process and state whether Industry Code is reported in 5-digit NIC 2008 against item 5 of Block A?	
2.	Whether valid new State Code has been entered against item 7 of Block A?	
3.	Whether Schedule Despatch no. has been correctly filled in against item 1 of Block A?	
4.	State whether proper remarks in Block N for all important parameters such as GVA, working capital, wage rate, number of workers, distributive expenses, depreciation etc. are given?	
5.	Whether average salaries/wages per manday worked (worker) has been checked calculated correctly and are within the reasonable limits?	
6.	Whether special check has been made in case of negative GVA?	
7.	Whether basic entries have been rechecked where output/Input ratio is less than 0.5?	
8.	Whether ratio of distributive expenses to gross sales is reasonable? If no, whether the relevant entries have been rechecked particularly where this ratio exceeds 20%?	
9.	If total bonus exceeds 20% of total salaries & wages, whether suitable remarks furnished?	
10.	Whether yield ratio of products from basic materials consumed (in case the units of quantity are common or directly convertible) are correctly calculated and are within prescribed limits?	
11.	Whether data reported in the return have been checked with Balance Sheet and Profit & Loss Account?	

Signature of Scrutinizing officer

( )  
Name of Scrutinizing officer

**CONFIDENTIAL**

**ANNUAL SURVEY OF INDUSTRIES 2021-2022  
PART II MANDAYS WORKED, ABSENTEEISM & LABOUR TURNOVER**

**Block 1. Identification and other Particulars**

1. Schedule Despatch No.							10. Type of Organisation (code)		16. Signature	
2. PSL No.										
3. Scheme Code (census - 1, sample - 2)						11. Company Identification Number (CIN)			17. Name of Scrutinizing Officer	
4. Industry code as per frame (4-digit level of NIC - 08)						12. Accounting Year			18. Personnel code	
5. Industry code as per return (5- digit level of NIC - 08)									19. Head Quarter	
6. Description of Industry						13. Name of Superintending Officer			20. Signature.	
7. State code						14. Personnel code				
8. District code						15. Head Quarter				
9. RO / SRO code										
Name and address of the Industrial Undertaking										
City/ Town/ Village		Tehsil/ 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, 2021								
2.	May, 2021								
3.	June, 2021								
4.	July, 2021								
5.	Aug, 2021								
6.	Sep, 2021								
7.	Oct, 2021								
8.	Nov, 2021								
9.	Dec, 2021								
10.	Jan, 2022								
11.	Feb, 2022								
12.	Mar, 2022								



## 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 2021-2022 the reference period is the financial year commencing from 1<sup>st</sup> April 2021 and ending on 31<sup>st</sup> March 2022 or the accounting year of the factory ending on any date between 01.04.2021 to 31.03.2022.

4. **Survey Period:** Survey period is a period during which work of any Annual Survey of Industries is undertaken. The survey period for ASI 2021-2022 is from March 2023 to September 2023.

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.

## Description along with 3/4-digit NIC-2008 codes

<b>3-digit NIC-2008</b>	<b>4-digit NIC-2008</b>	<b>Description</b>
016	0163	Post-harvest crop activities
	0164	Seed processing for propagation
089	0893	Extraction of salt
101	1010	Processing and preserving of meat
102	1020	Processing and preserving of fish, crustaceans and molluscs and products thereof
103	1030	Processing and preserving of fruit and vegetables
104	1040	Manufacture of vegetable and animal oils and fats
105	1050	Manufacture of dairy products
106		Manufacture of grain mill products, starches and starch products
	1061	Manufacture of grain mill products
	1062	Manufacture of starches and starch products
107		Manufacture of other food products
	1071	Manufacture of bakery products
	1072	Manufacture of sugar
	1073	Manufacture of cocoa, chocolate and sugar confectionery
	1074	Manufacture of macaroni, noodles, couscous and similar farinaceous products
	1075	Manufacture of prepared meals and dishes
	1079	Manufacture of other food products n.e.c.
108	1080	Manufacture of prepared animal feeds
110		Manufacture of beverages
	1101	Distilling, rectifying and blending of spirits; ethyl alcohol production from fermented materials
	1102	Manufacture of wines
	1103	Manufacture of malt liquors and malt
	1104	Manufacture of soft drinks; production of mineral waters and other bottled waters

## Description along with 3/4-digit NIC-2008 codes

<b>3-digit NIC-2008</b>	<b>4-digit NIC-2008</b>	<b>Description</b>
120	1200	Manufacture of tobacco products
131		Spinning, weaving and finishing of textiles
	1311	Preparation and spinning of textile fibres
	1312	Weaving of textiles
	1313	Finishing of textiles
139		Manufacture of other textiles
	1391	Manufacture of knitted and crocheted fabrics
	1392	Manufacture of made-up textile articles, except apparel
	1393	Manufacture of carpets and rugs
	1394	Manufacture of cordage, rope, twine and netting
	1399	Manufacture of other textiles n.e.c.
141	1410	Manufacture of wearing apparel, except fur apparel
142	1420	Manufacture of articles of fur
143	1430	Manufacture of knitted and crocheted apparel
151		Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
	1511	Tanning and dressing of leather; dressing and dyeing of fur
	1512	Manufacture of luggage, handbags and the like, saddlery and harness
152	1520	Manufacture of footwear
161	1610	Saw milling and planing of wood
162		Manufacture of products of wood, cork, straw and plaiting materials
	1621	Manufacture of veneer sheets; manufacture of plywood, laminboard, particle board and other panels and board
	1622	Manufacture of builders' carpentry and joinery
	1623	Manufacture of wooden containers
	1629	Manufacture of other products of wood; manufacture of articles of cork, straw and plaiting materials



## Description along with 3/4-digit NIC-2008 codes

<b>3-digit NIC-2008</b>	<b>4-digit NIC-2008</b>	<b>Description</b>
170		Manufacture of paper and paper products
	1701	Manufacture of pulp, paper and paperboard
	1702	Manufacture of corrugated paper and paperboard and containers of paper and paperboard
	1709	Manufacture of other articles of paper and paperboard
181		Printing and service activities related to printing
	1811	Printing
	1812	Service activities related to printing
182	1820	Reproduction of recorded media
191	1910	Manufacture of coke oven products
192	1920	Manufacture of refined petroleum products
201		Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
	2011	Manufacture of basic chemicals
	2012	Manufacture of fertilizers and nitrogen compounds
	2013	Manufacture of plastics and synthetic rubber in primary forms
202		Manufacture of other chemical products
	2021	Manufacture of pesticides and other agrochemical products
	2022	Manufacture of paints, varnishes and similar coatings, printing ink and mastics
	2023	Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations
	2029	Manufacture of other chemical products n.e.c.
203	2030	Manufacture of man-made fibres
210	2100	Manufacture of pharmaceuticals, medicinal chemical and botanical products
221		Manufacture of rubber products
	2211	Manufacture of rubber tyres and tubes; retreading and rebuilding of rubber tyres
	2219	Manufacture of other rubber products

## Description along with 3/4-digit NIC-2008 codes

<b>3-digit NIC-2008</b>	<b>4-digit NIC-2008</b>	<b>Description</b>
222	2220	Manufacture of plastics products
231	2310	Manufacture of glass and glass products
239		Manufacture of non-metallic mineral products n.e.c.
	2391	Manufacture of refractory products
	2392	Manufacture of clay building materials
	2393	Manufacture of other porcelain and ceramic products
	2394	Manufacture of cement, lime and plaster
	2395	Manufacture of articles of concrete, cement and plaster
	2396	Cutting, shaping and finishing of stone
	2399	Manufacture of other non-metallic mineral products n.e.c.
241	2410	Manufacture of basic iron and steel
242	2420	Manufacture of basic precious and other non-ferrous metals
243		Casting of metals
	2431	Casting of iron and steel
	2432	Casting of non-ferrous metals
251		Manufacture of structural metal products, tanks, reservoirs and steam generators
	2511	Manufacture of structural metal products
	2512	Manufacture of tanks, reservoirs and containers of metal
	2513	Manufacture of steam generators, except central heating hot water boilers
252	2520	Manufacture of weapons and ammunition
259		Manufacture of other fabricated metal products; metalworking service activities
	2591	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
	2592	Machining; treatment and coating of metals
	2593	Manufacture of cutlery, hand tools and general hardware

## Description along with 3/4-digit NIC-2008 codes

<b>3-digit NIC-2008</b>	<b>4-digit NIC-2008</b>	<b>Description</b>
	2599	Manufacture of other fabricated metal products n.e.c.
261	2610	Manufacture of electronic components
262	2620	Manufacture of computers and peripheral equipment
263	2630	Manufacture of communication equipment
264	2640	Manufacture of consumer electronics
265		Manufacture of measuring, testing, navigating and control equipment; watches and clocks
	2651	Manufacture of measuring, testing, navigating and control equipment
	2652	Manufacture of watches and clocks
266	2660	Manufacture of irradiation, electromedical and electrotherapeutic equipment
267	2670	Manufacture of optical instruments and equipment
268	2680	Manufacture of magnetic and optical media
271	2710	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
272	2720	Manufacture of batteries and accumulators
273		Manufacture of wiring and wiring devices
	2731	Manufacture of fibre optic cables for data transmission or live transmission of images
	2732	Manufacture of other electronic and electric wires and cables
	2733	Manufacture of wiring devices
274	2740	Manufacture of electric lighting equipment
275	2750	Manufacture of domestic appliances
279	2790	Manufacture of other electrical equipment
281		Manufacture of general purpose machinery
	2811	Manufacture of engines and turbines, except aircraft, vehicle and cycle engines
	2812	Manufacture of fluid power equipment
	2813	Manufacture of other pumps, compressors, taps and valves

## Description along with 3/4-digit NIC-2008 codes

<b>3-digit NIC-2008</b>	<b>4-digit NIC-2008</b>	<b>Description</b>
	2814	Manufacture of bearings, gears, gearing and driving elements
	2815	Manufacture of ovens, furnaces and furnace burners
	2816	Manufacture of lifting and handling equipment
	2817	Manufacture of office machinery and equipment
	2818	Manufacture of power-driven hand tools
	2819	Manufacture of other general-purpose machinery
282		Manufacture of special-purpose machinery
	2821	Manufacture of agricultural and forestry machinery
	2822	Manufacture of metal-forming machinery and machine tools
	2823	Manufacture of machinery for metallurgy
	2824	Manufacture of machinery for mining, quarrying and construction
	2825	Manufacture of machinery for food, beverage and tobacco processing
	2826	Manufacture of machinery for textile, apparel and leather production
	2829	Manufacture of other special-purpose machinery
291	2910	Manufacture of motor vehicles
292	2920	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
293	2930	Manufacture of parts and accessories for motor vehicles
301		Building of ships and boats
	3011	Building of ships and floating structures
	3012	Building of pleasure and sporting boats
302	3020	Manufacture of railway locomotives and rolling stock
303	3030	Manufacture of air and spacecraft and related machinery
304	3040	Manufacture of weapons and ammunition
309		Manufacture of transport equipment n.e.c.

## Description along with 3/4-digit NIC-2008 codes

<b>3-digit NIC-2008</b>	<b>4-digit NIC-2008</b>	<b>Description</b>
	3091	Manufacture of motorcycles
	3092	Manufacture of bicycles and invalid carriages
	3099	Manufacture of other transport equipment n.e.c.
310	3100	Manufacture of furniture
321		Manufacture of jewellery, bijouterie and related articles
	3211	Manufacture of jewellery and related articles
	3212	Manufacture of imitation jewellery and related articles
322	3220	Manufacture of musical instruments
323	3230	Manufacture of sports goods
324	3240	Manufacture of games and toys
325	3250	Manufacture of medical and dental instruments and supplies
329	3290	Other manufacturing n.e.c.
331		Repair of fabricated metal products, machinery and equipment
	3311	Repair of fabricated metal products
	3312	Repair of machinery
	3313	Repair of electronic and optical equipment
	3314	Repair of electrical equipment
	3315	Repair of transport equipment, except motor vehicles
	3319	Repair of other equipment
332	3320	Installation of industrial machinery and equipment
351	3510	Electric power generation, transmission and distribution
352	3520	Manufacture of gas; distribution of gaseous fuels through mains
353	3530	Steam and air conditioning supply
360	3600	Water collection, treatment and supply

## Description along with 3/4-digit NIC-2008 codes

<b>3-digit NIC-2008</b>	<b>4-digit NIC-2008</b>	<b>Description</b>
370	3700	Sewerage
381		Waste collection
	3811	Collection of non-hazardous waste
	3812	Collection of hazardous waste
382		Waste treatment and disposal
	3821	Treatment and disposal of non-hazardous waste
	3822	Treatment and disposal of hazardous waste
383	3830	Materials recovery
452	4520	Maintenance and repair of motor vehicles
454	4540	Sale, maintenance and repair of motorcycles and related parts and Accessories
521	5210	Warehousing and storage
581		Publishing of books, periodicals and other publishing activities
	5811	Book publishing
	5812	Publishing of directories and mailing lists
	5813	Publishing of newspapers, journals and periodicals
	5819	Other publishing activities
591		Motion picture, video and television programme activities
	5911	Motion picture, video and television programme production activities
	5912	Motion picture, video and television programme post-production activities
	5913	Motion picture, video and television programme distribution activities
592	5920	Sound recording and music publishing activities
742	7420	Photographic activities
829		Business support service activities n.e.c.
	8292	Packaging activities

## Description along with 3/4-digit NIC-2008 codes

<b>3-digit NIC-2008</b>	<b>4-digit NIC-2008</b>	<b>Description</b>
951		Repair of computers and communication equipment
	9511	Repair of computers and peripheral equipment
	9512	Repair of communication equipment
952		Repair of personal and household goods
	9521	Repair of consumer electronics
	9522	Repair of household appliances and home and garden equipment
	9523	Repair of footwear and leather goods
	9524	Repair of furniture and home furnishings
	9529	Repair of personal and household goods, n.e.c.
960		Other personal service activities
	9601	Washing and (dry-) cleaning of textile and fur products

**Annual Survey of Industries, 2021-2022**  
**Statement showing the merging of Industries**

Annexure VI

<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  110, 201, 222	104  Other
		Andhra Pradesh	267 275 303 381	265 279 309 382
		Arunachal Pradesh	106 192 259 120, 131, 202, 210	103 191 251 Other
		Assam	101 203 252 281 293 332 261, 302, 325, 382, 383	103 202 259 282 292 331 Other
		Bihar	152 221 273 275 332 016, 265, 292, 382, 383	151 222 272 274 331 Other
		Chandigarh	105 202 243 251, 252 261 274, 275 292 016, 131, 142, 162, 210, 325, 382, 581	104 201 242 259 265 279 293 Other
		Chattisgarh	103 143 261, 264 274 293 323, 325 382	104 141 265 272 292 329 383



**Annual Survey of Industries, 2021-2022**  
**Statement showing the merging of Industries**

Annexure VI

<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, 105 108 143 161 266 324 151, 309, 382	104 107 141 162 261 329 Other
		Delhi	104 161 203 252 323 110, 192, 382	101 162 202 259 329 Other
		Goa	108 131 192 231 243 252 266, 267 272, 274 324 141, 381	104 139 191 239 242 259 262 279 329 Other
		Gujarat	252 332 381	259 331 382
		Haryana	191 252 266 301, 304 332	192 259 267 303 331
		Himachal Pradesh	143 161 267 322 382, 581	141 162 266 329 Other
		Jammu & Kashmir	101 151 161 262, 263 274	103 152 162 264 275

**Annual Survey of Industries, 2021-2022**  
**Statement showing the merging of Industries**

Annexure VI

<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>
			282	281
			325	321
			331	Other
		Jharkhand	139	131
			142	141
			252	259
			273, 275	279
			309	302
			152, 381, 382, 581	Other
		Karnataka	142	141
			182	181
			264	265
		Kerala	203	202
			264	266
			291	292
			304, 309	303
			323, 324	322
			381	382
		Ladakh	192	Other
		Madhya Pradesh	252	259
			264, 267	263
			275	279
			323	329
			382	383
		Maharashtra	268	267
			322	329
		Manipur	139	131
			161	162
			151, 191, 202, 241, 259, 271, 279, 282, 321, 325, 331	Other
		Meghalaya	104	108
			201	202
			242	243
			131, 271, 331	Other
		Mizoram	104, 105	108
			161	162
			222	221
			259	251

**Annual Survey of Industries, 2021-2022**  
**Statement showing the merging of Industries**

Annexure VI

Sr. No. (1)	Table Description (2)	State/Union Territory (3)	Industry Code (4)	Included in (5)
			181, 202, 210, 241, 243, 279, 292, 322	Other
		Nagaland	101, 105 221 259 131, 202	106 222 251 Other
		Odisha	231 272, 274, 275 291 301 303 332 381, 382 152, 265, 321, 329, 581	239 279 292 302 309 331 383 Other
		Puducherry	102 108 143 162 264, 267 272, 274 301 321 192, 331	104 107 141 161 261 279 309 329 Other
		Punjab	191 264, 267 291 383 120, 581	192 266 292 382 Other
		Rajasthan	101 143 191 252 263, 264 267 322	103 141 192 259 262 266 329
		Sikkim	103 221 275 192, 202, 239, 243, 265, 266, 321, 329	105 222 279 Other
		Tamil Nadu	268 322	266 329

**Annual Survey of Industries, 2021-2022**  
**Statement showing the merging of Industries**

Annexure VI

<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>
		Telangana	102 203 264, 266 304 323 332 381	103 202 262 309 324 331 382
		Tripura	104 191 202 242 271 131, 331, 383	105 192 201 243 273 Other
		Uttar Pradesh	142 266 322 332 381 016	143 265 329 331 382 Other
		Uttarakhand	143 191 267 016, 332, 383	141 192 265 Other
		West Bengal	262, 266 323 332 383 089	263 322 331 382 Other
		All-India	182	181

**Annual Survey of Industries, 2021-2022**  
**Statement showing the merging of Industries**

Annexure VI

<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	State by 2 digit of NIC 08	Andaman & N Islands	11, 20, 22	Other
		Arunchal Pradesh	12, 13, 20, 21	Other
		Assam	26, 30, 32, 38	Other
		Bihar	01, 26, 29, 38	Other
		Chandigarh	01, 13, 14, 16, 21, 32, 38, 58	Other
		Dadra & N Haveli & Daman & Diu	15, 30, 38	Other
		Delhi	11, 19, 38	Other
		Goa	14, 38	Other
		Himachal Pradesh	38, 58	Other
		Jammu & Kashmir	33	Other
		Jharkhand	15, 38, 58	Other
		Ladakh	19	Other
		Manipur	15, 19, 20, 24, 25, 27, 28, 32, 33	Other
		Meghalaya	13, 27, 33	Other
		Mizoram	18, 20, 21, 24, 27, 29, 32	Other
		Nagaland	13, 20	Other
		Odisha	15, 26, 32, 58	Other
		Puducherry	19, 33	Other
		Punjab	12, 58	Other
		Sikkim	19, 20, 23, 24, 26, 32	Other
		Tripura	13, 33, 38	Other
		Uttar Pradesh	01	Other
		Uttarakhand	01, 33, 38	Other
		West Bengal	08	Other